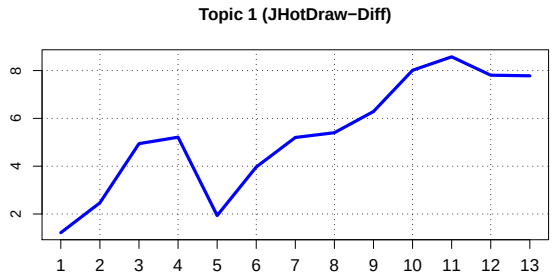
Topics

1 JHotDraw

1.1 Diff



V	θ	Size	File	Package
11	0.92	52	`AbstractTransferable.java`	`org.jhotdraw.gui.datatransfer`
11	0.71	167	`CompositeTransferable.java`	`org.jhotdraw.gui.datatransfer`
11	0.66	162	`XMLTransferable.java`	`org.jhotdraw.xml`
11	0.65	64	`InputStreamTransferable.java`	`org.jhotdraw.gui.datatransfer`
7	0.77	84	`InputStreamTransferable.java`	`org.jhotdraw.gui.datatransfer`
7	0.76	68	`ImageTransferable.java`	`org.jhotdraw.gui.datatransfer`
7	0.69	157	`CompositeTransferable.java`	`org.jhotdraw.gui.datatransfer`
7	0.67	162	`XMLTransferable.java`	`org.jhotdraw.xml`
1	0.55	33	`Clipboard.java`	`CH.ifa.draw.util`
1	0.14	97	`FigureTransferCommand.java`	`CH.ifa.draw.standard`
1	0.10	41	`CopyCommand.java`	`CH.ifa.draw.standard`
1	0.09	136	`PertDependency.java`	`CH.ifa.draw.samples.pert`

"data flavor", {*drag flavor drop data transfer sourc target listen clipboard gestur support*}

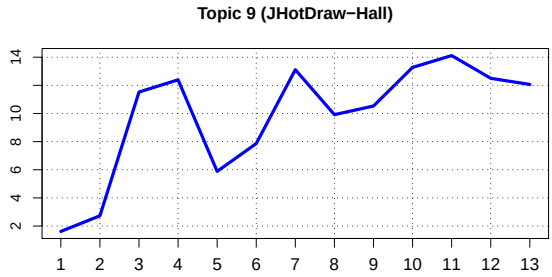
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
9	1.3969	0.3125
2	2.8904	1.0160
42	2.9486	0.7669

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
33	3.5159	0.1541
12	4.1912	0.1777
15	6.0225	0.2768

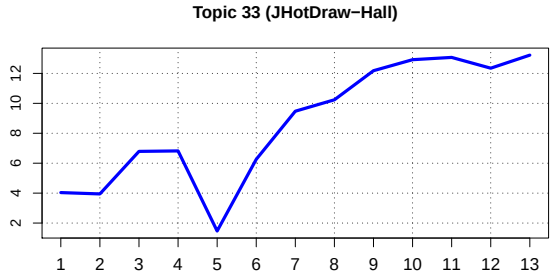
Best matching topic (Topic distance = 1.397, Evolution distance = 0.3125):



V	θ	Size	File	Package
11	1.00	52	`AbstractTransferable.java`	`org.jhotdraw.gui.datatransfer`
11	1.00	162	`XMLTransferable.java`	`org.jhotdraw.xml`
11	0.96	167	`CompositeTransferable.java`	`org.jhotdraw.gui.datatransfer`
11	0.83	64	`InputStreamTransferable.java`	`org.jhotdraw.gui.datatransfer`
9	1.00	51	`AbstractTransferable.java`	`org.jhotdraw.gui.datatransfer`
9	1.00	162	`XMLTransferable.java`	`org.jhotdraw.xml`
9	0.95	167	`CompositeTransferable.java`	`org.jhotdraw.gui.datatransfer`
9	0.85	62	`InputStreamTransferable.java`	`org.jhotdraw.gui.datatransfer`
1	0.82	33	`Clipboard.java`	`CH.ifa.draw.util`
1	0.16	97	`FigureTransferCommand.java`	`CH.ifa.draw.standard`
1	0.15	92	`PasteCommand.java`	`CH.ifa.draw.standard`
1	0.13	46	`CutCommand.java`	`CH.ifa.draw.standard`

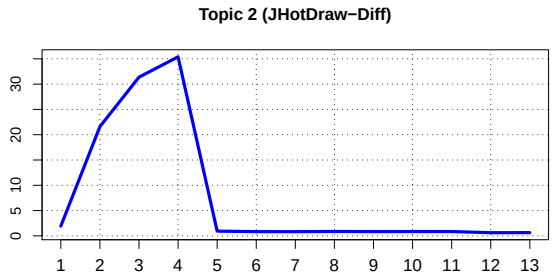
"suit add", {*flavor suit transfer data drag focu compon clipboard add drop target*}

Best matching topic evolution (Topic distance = 3.516, Evolution distance = 0.1541):



V	θ	Size	File	Package
13	1.00	73	`SVGZInputFormat.java`	`org.jhotdraw.samples.svg.io`
13	1.00	49	`SVGZOutputFormat.java`	`org.jhotdraw.samples.svg.io`
13	0.84	126	`ExtensionFileFilter.java`	`org.jhotdraw.gui.filechooser`
13	0.83	206	`OutputFormat.java`	`org.jhotdraw.draw.io`
4	0.86	188	`SerializationStorageFormat.java`	`org.jhotdraw.util`
4	0.83	515	`StorageFormatManager.java`	`org.jhotdraw.util`
4	0.79	146	`StorageFormat.java`	`org.jhotdraw.util`
4	0.79	526	`StandardStorageFormat.java`	`org.jhotdraw.util`
5	0.82	130	`ExtensionFileFilter.java`	`org.jhotdraw.io`
5	0.14	577	`SVGProject.java`	`org.jhotdraw.samples.svg`
5	0.12	139	`SVGDrawing.java`	`org.jhotdraw.samples.svg`
5	0.12	600	`DrawProject.java`	`org.jhotdraw.samples.draw`

"storag format", {*format file draw input output filter extens storag stream imag descript*}



V	θ	Size	File	Package
4	0.44	89	SetWrapper.java	org.jhotdraw.util.collections.jdk11
4	0.38	26	FigureVisitor.java	org.jhotdraw.framework
4	0.38	94	MapWrapper.java	org.jhotdraw.util.collections.jdk11
4	0.36	67	HandleAndEnumerator.java	org.jhotdraw.standard
11	0.09	42	EditableComponent.java	org.jhotdraw.app
11	0.09	45	DOMFactory.java	org.jhotdraw.xml
11	0.07	566	DoubleStroke.java	org.jhotdraw.geom
11	0.07	90	PerpendicularBar.java	org.jhotdraw.draw
12	0.09	45	DOMFactory.java	org.jhotdraw.xml
12	0.07	554	DoubleStroke.java	org.jhotdraw.geom
12	0.06	65	Main.java	org.jhotdraw.samples.teddy
12	0.06	157	SheetEvent.java	org.jhotdraw.gui.event

"return public", {*public return privat current protect els super standard set framework int*}

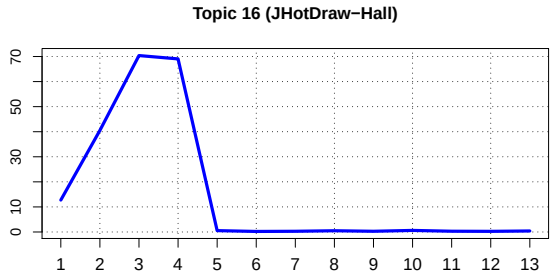
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
16	2.2570	0.4136
22	3.0711	3.5128
42	3.5451	22.3417

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
16	2.2570	0.4136
22	3.0711	3.5128
17	4.1656	9.8118

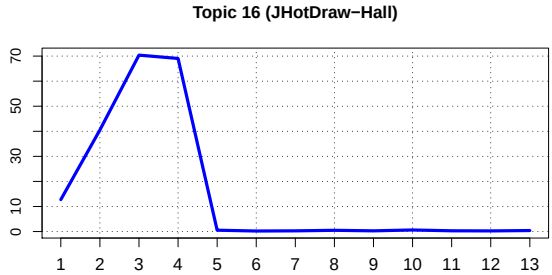
Best matching topic (Topic distance = 2.257, Evolution distance = 0.4136):



V	θ	Size	File	Package
3	1.00	222	UndoRedoActivity.java	CH.ifa.draw.util
3	1.00	71	Undoable.java	CH.ifa.draw.util
3	0.96	412	UndoManager.java	CH.ifa.draw.util
3	0.93	42	IteratorWrapper.java	CH.ifa.draw.util.collections.jdk11
13	0.18	77	StyleManager.java	org.jhotdraw.xml.css
13	0.08	115	DrawingComponent.java	org.jhotdraw.samples.svg.gui
13	0.04	25	URIUtil.java	org.jhotdraw.net
13	0.03	239	PaletteListCellRenderer.java	org.jhotdraw.gui.plaf.palette
6	0.13	47	EditableComponent.java	org.jhotdraw.app
6	0.05	347	ConnectionHandle.java	org.jhotdraw.draw
6	0.03	32	ReversedList.java	org.jhotdraw.util
6	NA	NA	NA	NA

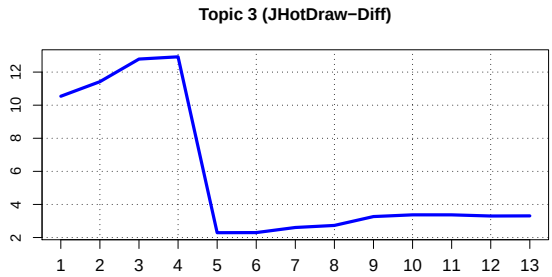
"undo activ", {*public command return undo activ figur set undoabl protect draw enumer*}

Best matching topic evolution (Topic distance = 2.257, Evolution distance = 0.4136):



V	θ	Size	File	Package
3	1.00	222	UndoRedoActivity.java	CH.ifa.draw.util
3	1.00	71	Undoable.java	CH.ifa.draw.util
3	0.96	412	UndoManager.java	CH.ifa.draw.util
3	0.93	42	IteratorWrapper.java	CH.ifa.draw.util.collections.jdk11
13	0.18	77	StyleManager.java	org.jhotdraw.xml.css
13	0.08	115	DrawingComponent.java	org.jhotdraw.samples.svg.gui
13	0.04	25	URIUtil.java	org.jhotdraw.net
13	0.03	239	PaletteListCellRenderer.java	org.jhotdraw.gui.plaf.palette
6	0.13	47	EditableComponent.java	org.jhotdraw.app
6	0.05	347	ConnectionHandle.java	org.jhotdraw.draw
6	0.03	32	ReversedList.java	org.jhotdraw.util
6	NA	NA	NA	NA

"undo activ", {*public command return undo activ figur set undoabl protect draw enumer*}



V	θ	Size	File	Package
4	0.78	520	`QuadTree.java`	`org.jhotdraw.standard`
4	0.75	44	`FigureEnumeration.java`	`org.jhotdraw.framework`
4	0.62	48	`Painter.java`	`org.jhotdraw.framework`
4	0.60	48	`Locator.java`	`org.jhotdraw.framework`
12	0.51	36	`FigureLayerComparator.java`	`org.jhotdraw.draw`
12	0.34	559	`QuadTree.java`	`org.jhotdraw.geom`
12	0.24	412	`ConvexHull.java`	`org.jhotdraw.geom`
12	0.23	503	`QuadTreeDrawing.java`	`org.jhotdraw.draw`
5	0.48	31	`FigureLayerComparator.java`	`org.jhotdraw.draw`
5	0.34	531	`QuadTree2DDouble.java`	`org.jhotdraw.geom`
5	0.24	426	`QuadTreeDrawing.java`	`org.jhotdraw.draw`
5	0.22	32	`ReversedList.java`	`org.jhotdraw.util`

"send back", {*enumer elem vector layer rectangl tree quad public object reset add*}

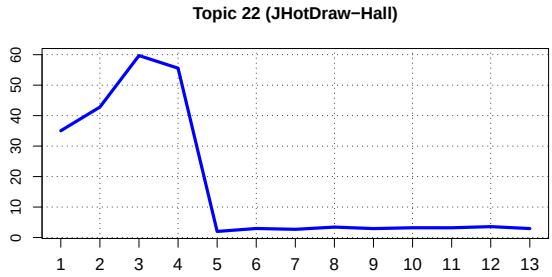
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
22	2.6631	2.4322
1	2.9889	6.3650
39	3.0044	9.3321

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
26	4.6564	0.9508
22	2.6631	2.4322
20	3.5683	3.7654

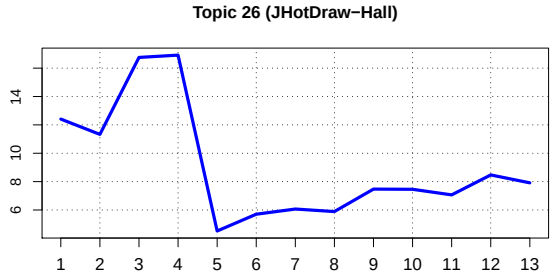
Best matching topic (Topic distance = 2.663, Evolution distance = 2.4322):



V	θ	Size	File	Package
3	1.00	132	`AnimationDecorator.java`	`CH.ifa.draw.samples.javadraw`
3	1.00	108	`BouncingDrawing.java`	`CH.ifa.draw.samples.javadraw`
3	1.00	12	`Animatable.java`	`CH.ifa.draw.util`
3	0.99	174	`RectangleFigure.java`	`CH.ifa.draw.figures`
11	0.74	61	`DecoratedFigure.java`	`org.jhotdraw.draw`
11	0.59	184	`AbstractAttributedDecoratedFigure.java`	`org.jhotdraw.draw`
11	0.46	210	`CompositeLineDecoration.java`	`org.jhotdraw.draw`
11	0.24	90	`PerpendicularBar.java`	`org.jhotdraw.draw`
5	0.30	61	`LineDecoration.java`	`org.jhotdraw.draw`
5	0.22	45	`Locator.java`	`org.jhotdraw.draw`
5	0.21	75	`GeneralPathTip.java`	`org.jhotdraw.draw`
5	0.21	117	`LocatorConnector.java`	`org.jhotdraw.draw`

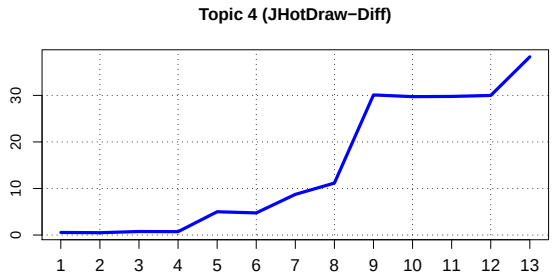
"displai box", {*figur public box displai draw decor return read storabl ifa point*}

Best matching topic evolution (Topic distance = 4.656, Evolution distance = 0.9508):



V	θ	Size	File	Package
4	0.97	144	`NothingApplet.java`	`org.jhotdraw.samples.nothing`
4	0.80	337	`JavaDrawApplet.java`	`org.jhotdraw.samples.javadraw`
4	0.80	88	`PertApplet.java`	`org.jhotdraw.samples.pert`
4	0.72	183	`NothingApp.java`	`org.jhotdraw.samples.nothing`
10	0.66	735	`CreationTool.java`	`org.jhotdraw.draw`
10	0.60	847	`BezierTool.java`	`org.jhotdraw.draw`
10	0.58	178	`PathTool.java`	`org.jhotdraw.samples.svg`
10	0.57	173	`PathTool.java`	`org.jhotdraw.samples.odg`
5	0.64	579	`BezierTool.java`	`org.jhotdraw.draw`
5	0.59	392	`CreationTool.java`	`org.jhotdraw.draw`
5	0.50	125	`PathTool.java`	`org.jhotdraw.samples.svg`
5	0.42	52	`ToolListener.java`	`org.jhotdraw.draw`

"creation tool", {*tool figur creat mous draw creation view prototyp event editor add*}



V	θ	Size	File	Package
13	0.95	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	1860	PaletteCMYKChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.94	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.89	3017	JMixer.java	org.jhotdraw.samples.color
5	0.42	707	NetProject.java	org.jhotdraw.samples.net
5	0.40	678	PertProject.java	org.jhotdraw.samples.pert
5	0.40	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.36	600	DrawProject.java	org.jhotdraw.samples.draw
2	0.25	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.24	68	GridConstrainer.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"javax swing", {*set grid field bag constraint swing javax label panel awt slider*}

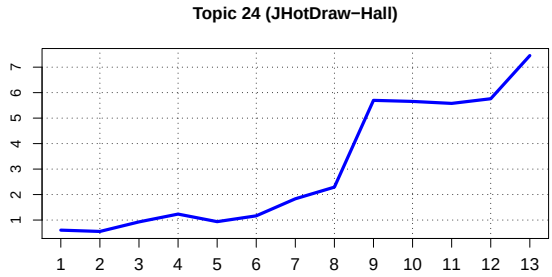
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
24	0.5958	0.2446
41	0.6574	0.4536
29	1.0014	1.6536

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
24	0.5958	0.2446
10	4.3796	0.2474
23	3.2977	0.2557

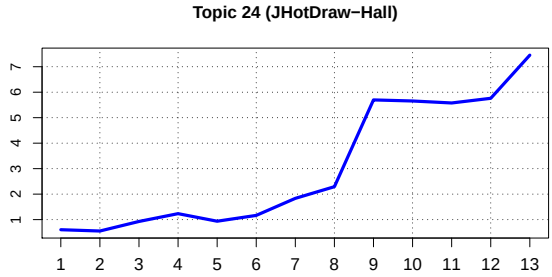
Best matching topic (Topic distance = 0.596, Evolution distance = 0.2446):



V	θ	Size	File	Package
13	0.97	3017	JMixer.java	org.jhotdraw.samples.color
13	0.74	1529	BezierDemo.java	org.jhotdraw.samples.mini
13	0.62	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.60	379	ProgressIndicator.java	org.jhotdraw.samples.svg.gui
4	0.29	72	ToggleGridCommand.java	org.jhotdraw.standard
4	0.26	62	GridConstrainer.java	org.jhotdraw.standard
4	0.25	57	ZoomAreaTracker.java	org.jhotdraw.contrib.zoom
4	0.10	77	CommandChoice.java	org.jhotdraw.util
2	0.24	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.22	68	GridConstrainer.java	CH.ifa.draw.standard
2	0.08	62	Filler.java	CH.ifa.draw.util
2	NA	NA	NA	NA

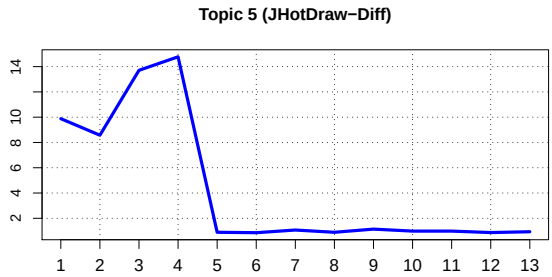
"zoom factor", {*grid bag constraint awt swing javax set add event label panel*}

Best matching topic evolution (Topic distance = 0.596, Evolution distance = 0.2446):



V	θ	Size	File	Package
13	0.97	3017	JMixer.java	org.jhotdraw.samples.color
13	0.74	1529	BezierDemo.java	org.jhotdraw.samples.mini
13	0.62	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.60	379	ProgressIndicator.java	org.jhotdraw.samples.svg.gui
4	0.29	72	ToggleGridCommand.java	org.jhotdraw.standard
4	0.26	62	GridConstrainer.java	org.jhotdraw.standard
4	0.25	57	ZoomAreaTracker.java	org.jhotdraw.contrib.zoom
4	0.10	77	CommandChoice.java	org.jhotdraw.util
2	0.24	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.22	68	GridConstrainer.java	CH.ifa.draw.standard
2	0.08	62	Filler.java	CH.ifa.draw.util
2	NA	NA	NA	NA

"zoom factor", {*grid bag constraint awt swing javax set add event label panel*}



V	θ	Size	File	Package
4	0.85	276	RoundRectangleFigure.java	org.jhotdraw.figures
4	0.83	166	RectangleFigure.java	org.jhotdraw.figures
4	0.80	124	AnimationDecorator.java	org.jhotdraw.samples.javadraw
4	0.80	197	EllipseFigure.java	org.jhotdraw.figures
11	0.10	177	AnimationSample.java	org.jhotdraw.samples.mini
11	0.07	501	TextFigure.java	org.jhotdraw.draw
11	0.06	131	StickyRectangleConnector.java	org.jhotdraw.draw
11	0.05	112	LocatorConnector.java	org.jhotdraw.draw
6	0.08	448	TextFigure.java	org.jhotdraw.draw
6	0.07	151	ChopRoundRectangleConnector.java	org.jhotdraw.draw
6	0.06	128	StickyRectangleConnector.java	org.jhotdraw.draw
6	0.05	117	LocatorConnector.java	org.jhotdraw.draw

"displai box", {*box displai figur handl rectangl read basic point write width height*}

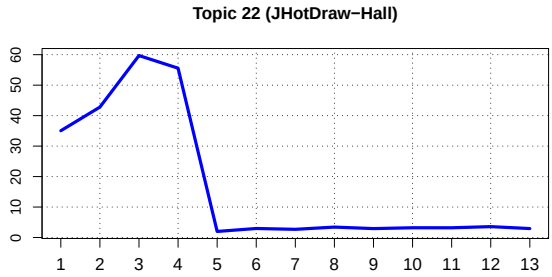
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
22	1.5085	0.2947
36	2.6523	24.6776
31	2.8281	12.9512

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
22	1.5085	0.2947
16	3.9490	3.7704
26	4.1873	4.9666

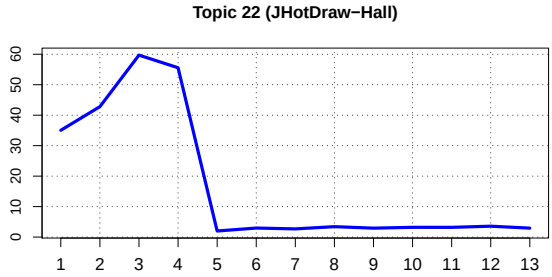
Best matching topic (Topic distance = 1.509, Evolution distance = 0.2947):



V	θ	Size	File	Package
3	1.00	132	AnimationDecorator.java	CH.ifa.draw.samples.javadraw
3	1.00	108	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
3	1.00	12	Animatable.java	CH.ifa.draw.util
3	0.99	174	RectangleFigure.java	CH.ifa.draw.figures
11	0.74	61	DecoratedFigure.java	org.jhotdraw.draw
11	0.59	184	AbstractAttributedDecoratedFigure.java	org.jhotdraw.draw
11	0.46	210	CompositeLineDecoration.java	org.jhotdraw.draw
11	0.24	90	PerpendicularBar.java	org.jhotdraw.draw
5	0.30	61	LineDecoration.java	org.jhotdraw.draw
5	0.22	45	Locator.java	org.jhotdraw.draw
5	0.21	75	GeneralPathTip.java	org.jhotdraw.draw
5	0.21	117	LocatorConnector.java	org.jhotdraw.draw

"displai box", {*figur public box displai draw decor return read storabl ifa point*}

Best matching topic evolution (Topic distance = 1.509, Evolution distance = 0.2947):



V	θ	Size	File	Package
3	1.00	132	AnimationDecorator.java	CH.ifa.draw.samples.javadraw
3	1.00	108	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
3	1.00	12	Animatable.java	CH.ifa.draw.util
3	0.99	174	RectangleFigure.java	CH.ifa.draw.figures
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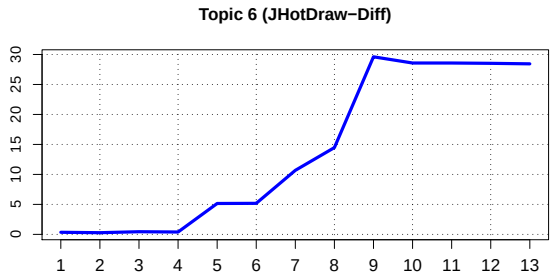
11	0.59	184	AbstractAttributedDecoratedFigure.java	org.jhotdraw.draw
11	0.46	210	CompositeLineDecoration.java	org.jhotdraw.draw
11	0.24	90	PerpendicularBar.java	org.jhotdraw.draw
5	0.30	61	LineDecoration.java	org.jhotdraw.draw
5	0.22	45	Locator.java	org.jhotdraw.draw
5	0.21	75	GeneralPathTip.java	org.jhotdraw.draw
5	0.21	117	LocatorConnector.java	org.jhotdraw.draw

"displai box", {*figur public box displai draw decor return read storabl ifa point*}



V	θ	Size	File	Package
9	1.00	470	JAttributeSliderBeanInfo.java	org.jhotdraw.gui
9	1.00	465	ODGPropertiesPanelBeanInfo.java	org.jhotdraw.samples.odg
9	1.00	472	AbstractToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
9	1.00	475	AlignToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
6	1.00	459	SVGPanelBeanInfo.java	org.jhotdraw.samples.svg
6	0.99	463	DrawingPanelBeanInfo.java	org.jhotdraw.samples.draw
6	0.98	463	JPopupButtonBeanInfo.java	org.jhotdraw.draw.action
6	0.98	467	DefaultDrawingViewBeanInfo.java	org.jhotdraw.draw
2	0.15	269	ToolButton.java	CH.ifa.draw.standard
2	0.10	60	PaletteIcon.java	CH.ifa.draw.util
2	0.02	165	StandardVersionControlStrategy.java	CH.ifa.draw.util
2	NA	NA	NA	NA

"icon icon", {*icon descriptor bean properti event gen method color set imag mono*}

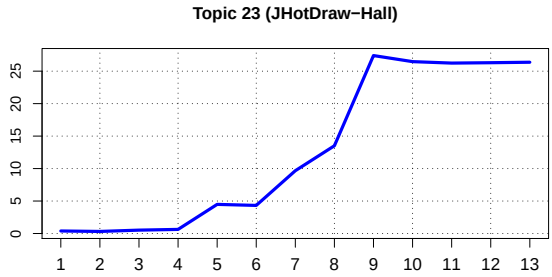
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
23	0.0172	0.0017
14	3.0252	1.0016
42	3.1512	4.5881

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
23	0.0172	0.0017
10	4.2364	0.1758
34	3.4252	0.2188

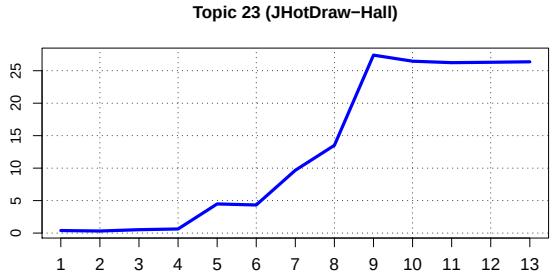
Best matching topic (Topic distance = 0.017, Evolution distance = 0.0017):



V	θ	Size	File	Package
9	1.00	473	JAttributeTextAreaBeanInfo.java	org.jhotdraw.gui
9	1.00	468	JDisclosureToolBarBeanInfo.java	org.jhotdraw.gui
9	1.00	471	JLifeFormattedTexAreaBeanInfo.java	org.jhotdraw.gui
9	1.00	473	JLifeFormattedTextFieldBeanInfo.java	org.jhotdraw.gui
5	1.00	463	DrawingPanelBeanInfo.java	org.jhotdraw.samples.draw
5	1.00	459	SVGPanelBeanInfo.java	org.jhotdraw.samples.svg
5	1.00	463	JPopupButtonBeanInfo.java	org.jhotdraw.draw.action
5	0.98	467	DefaultDrawingViewBeanInfo.java	org.jhotdraw.draw
2	0.15	269	ToolButton.java	CH.ifa.draw.standard
2	0.06	47	SimpleUpdateStrategy.java	CH.ifa.draw.standard
2	0.04	312	VersionManagement.java	CH.ifa.draw.util
2	0.03	60	PaletteIcon.java	CH.ifa.draw.util

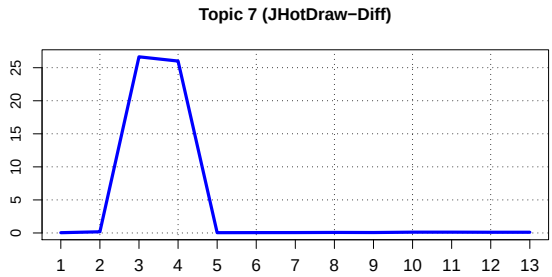
"icon icon", {*icon descriptor bean properti event gen method color set mono code*}

Best matching topic evolution (Topic distance = 0.017, Evolution distance = 0.0017):



V	θ	Size	File	Package
9	1.00	473	JAttributeTextAreaBeanInfo.java	org.jhotdraw.gui
9	1.00	468	JDisclosureToolBarBeanInfo.java	org.jhotdraw.gui
9	1.00	471	JLifeFormattedTexAreaBeanInfo.java	org.jhotdraw.gui
9	1.00	473	JLifeFormattedTextFieldBeanInfo.java	org.jhotdraw.gui
5	1.00	463	DrawingPanelBeanInfo.java	org.jhotdraw.samples.draw
5	1.00	459	SVGPanelBeanInfo.java	org.jhotdraw.samples.svg
5	1.00	463	JPopupButtonBeanInfo.java	org.jhotdraw.draw.action
5	0.98	467	DefaultDrawingViewBeanInfo.java	org.jhotdraw.draw
2	0.15	269	ToolButton.java	CH.ifa.draw.standard
2	0.06	47	SimpleUpdateStrategy.java	CH.ifa.draw.standard
2	0.04	312	VersionManagement.java	CH.ifa.draw.util
2	0.03	60	PaletteIcon.java	CH.ifa.draw.util

"icon icon", {*icon descriptor bean properti event gen method color set mono code*}



V	θ	Size	File	Package
3	0.72	1520	BoundsTest.java	CH.ifa.draw.test.util
3	0.65	1482	PolygonFigureTest.java	CH.ifa.draw.test.contrib
3	0.64	1485	LineConnectionTest.java	CH.ifa.draw.test.figures
3	0.62	1171	GeomTest.java	CH.ifa.draw.test.util
8	0.02	44	XMLParseException.java	net.n3.nanoxml
8	0.02	198	JIntegerTextField.java	org.jhotdraw.gui
8	NA	NA	NA	NA
8	NA	NA	NA	NA
1	0.03	33	Clipboard.java	CH.ifa.draw.util
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"method test", {*method doclet junit test end begin javadoc except public set util*}

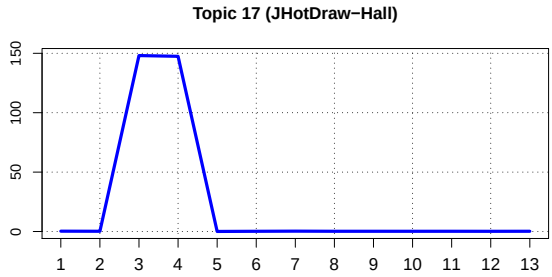
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
17	0.2914	0.0131
1	2.9850	36.1836
29	3.3769	57.6140

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
17	0.2914	0.0131
16	3.6401	8.2049
22	3.5771	16.7671

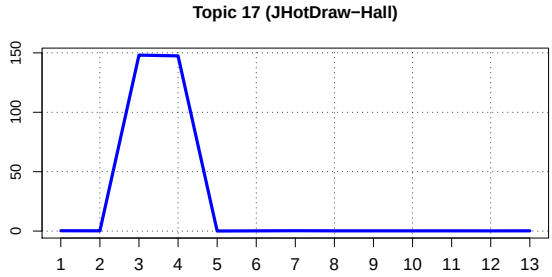
Best matching topic (Topic distance = 0.291, Evolution distance = 0.0131):



V	θ	Size	File	Package
3	1.00	314	SimpleUpdateStrategyTest.java	CH.ifa.draw.test.standard
3	0.95	422	BouncingDrawingTest.java	CH.ifa.draw.test.samples.javadra
3	0.95	274	NothingAppTest.java	CH.ifa.draw.test.samples.nothing
3	0.95	318	StandardVersionControlStrategyTest.java	CH.ifa.draw.test.util
11	0.15	1497	BezierPathTest.java	org.jhotdraw.geom
11	0.03	101	ClipboardUtil.java	org.jhotdraw.gui.datatransfer
11	NA	NA	NA	NA
11	NA	NA	NA	NA
5	0.02	46	ListFigure.java	org.jhotdraw.draw
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

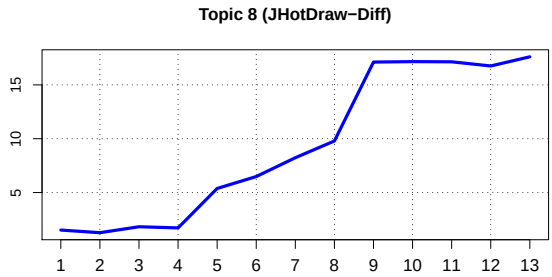
"junit doclet begin", {*test junit method doclet begin end javadoc except testcas instanc draw*}

Best matching topic evolution (Topic distance = 0.291, Evolution distance = 0.0131):



V	θ	Size	File	Package
3	1.00	314	SimpleUpdateStrategyTest.java	CH.ifa.draw.test.standard
3	0.95	422	BouncingDrawingTest.java	CH.ifa.draw.test.samples.javadra
3	0.95	274	NothingAppTest.java	CH.ifa.draw.test.samples.nothing
3	0.95	318	StandardVersionControlStrategyTest.java	CH.ifa.draw.test.util
11	0.15	1497	BezierPathTest.java	org.jhotdraw.geom
11	0.03	101	ClipboardUtil.java	org.jhotdraw.gui.datatransfer
11	NA	NA	NA	NA
11	NA	NA	NA	NA
5	0.02	46	ListFigure.java	org.jhotdraw.draw
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

"junit doclet begin", {*test junit method doclet begin end javadoc except testcas instanc draw*}



V	θ	Size	File	Package
13	0.99	2216	`HandleAttributeKeys.java`	`org.jhotdraw.draw.handle`
13	0.78	486	`BoundsOutlineHandle.java`	`org.jhotdraw.draw.handle`
13	0.72	351	`SelectionOpacityIcon.java`	`org.jhotdraw.samples.svg.gui`
13	0.72	327	`DrawingOpacityIcon.java`	`org.jhotdraw.samples.svg.gui`
6	0.55	278	`SVGAttributeKeys.java`	`org.jhotdraw.samples.svg`
6	0.49	1082	`AttributeKeys.java`	`org.jhotdraw.draw`
6	0.40	112	`ColorAttributeIcon.java`	`org.jhotdraw.draw.action`
6	0.37	271	`AbstractLineDecoration.java`	`org.jhotdraw.draw`
2	0.41	234	`AbstractLineDecoration.java`	`CH.ifa.draw.figures`
2	0.20	54	`GroupHandle.java`	`CH.ifa.draw.figures`
2	0.10	189	`ColorMap.java`	`CH.ifa.draw.util`
2	0.07	333	`AttributeFigure.java`	`CH.ifa.draw.figures`

"color color", {*color stroke attribut kei fill handl bound bezier transform disabl basic*}

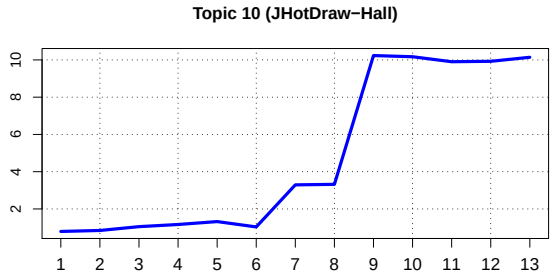
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
10	0.2105	0.4710
43	2.1073	0.4109
13	2.3902	0.6060

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
34	4.0790	0.2010
23	4.7012	0.3350
43	2.1073	0.4109

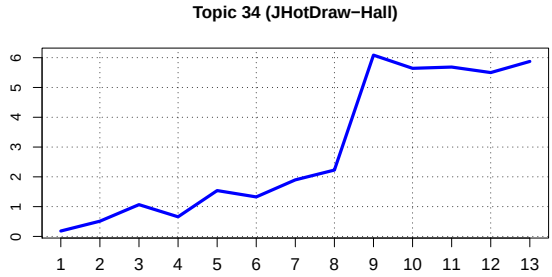
Best matching topic (Topic distance = 0.211, Evolution distance = 0.4710):



V	θ	Size	File	Package
9	1.00	2229	`HandleAttributeKeys.java`	`org.jhotdraw.draw`
9	0.96	495	`BoundsOutlineHandle.java`	`org.jhotdraw.draw`
9	0.95	514	`ConvexHullOutlineHandle.java`	`org.jhotdraw.samples.svg.figures`
9	0.89	312	`SVGPathOutlineHandle.java`	`org.jhotdraw.samples.svg.figures`
5	0.35	112	`ColorAttributeIcon.java`	`org.jhotdraw.draw.action`
5	0.15	111	`ChopEllipseConnector.java`	`org.jhotdraw.draw`
5	0.14	594	`AbstractHandle.java`	`org.jhotdraw.draw`
5	0.13	466	`SVGPath.java`	`org.jhotdraw.samples.svg.figures`
1	0.40	218	`AbstractLineDecoration.java`	`CH.ifa.draw.figures`
1	0.16	50	`GroupHandle.java`	`CH.ifa.draw.figures`
1	0.15	307	`AttributeFigure.java`	`CH.ifa.draw.figures`
1	0.06	1189	`DrawApplet.java`	`CH.ifa.draw.applet`

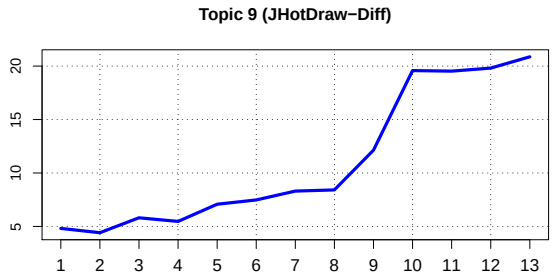
"attribut kei", {*color stroke kei attribut handl bound fill transform shape bezier disabl*}

Best matching topic evolution (Topic distance = 4.079, Evolution distance = 0.2010):



V	θ	Size	File	Package
9	0.92	412	`ConvexHull.java`	`org.jhotdraw.geom`
9	0.84	452	`JavaNumberFormatter.java`	`org.jhotdraw.text`
9	0.75	1665	`Bezier.java`	`org.jhotdraw.geom`
9	0.74	1722	`Polygon2D.java`	`org.jhotdraw.geom`
5	0.80	1159	`Bezier.java`	`org.jhotdraw.geom`
5	0.27	300	`Dimension2DDouble.java`	`org.jhotdraw.geom`
5	0.19	230	`Insets2DDouble.java`	`org.jhotdraw.geom`
5	0.14	3535	`XMLElement.java`	`nanoxml`
1	0.18	66	`NumberTextFigure.java`	`CH.ifa.draw.figures`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`

"code code", {*code point pointd param curv digit bound max arrai length error*}



V	θ	Size	File	Package
13	1.00	56	HandleTracker.java	org.jhotdraw.draw.tool
13	1.00	46	SelectAreaTracker.java	org.jhotdraw.draw.tool
13	0.78	83	DragTracker.java	org.jhotdraw.draw.tool
13	0.65	80	HandleListener.java	org.jhotdraw.draw.event
6	0.59	39	HandleListener.java	org.jhotdraw.draw
6	0.57	21	FigureSelectionListener.java	org.jhotdraw.draw
6	0.57	144	SelectAreaTracker.java	org.jhotdraw.draw
6	0.48	357	SelectionTool.java	org.jhotdraw.draw
2	0.41	54	PointConstrainer.java	CH.ifa.draw.framework
2	0.37	567	DrawingView.java	CH.ifa.draw.framework
2	0.34	669	NullDrawingView.java	CH.ifa.draw.standard
2	0.33	1697	StandardDrawingView.java	CH.ifa.draw.standard

"handl handl", {*select handl draw link constrain area view tracker kei evt point*}

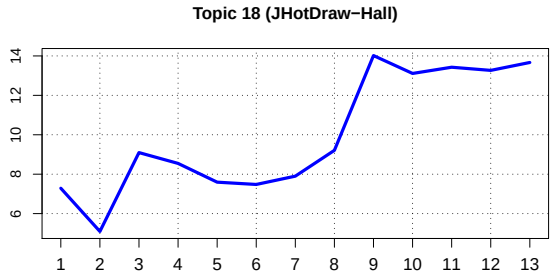
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
18	1.0076	0.8223
15	1.5712	1.0002
39	2.5335	0.0749

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
39	2.5335	0.0749
32	3.6676	0.3613
33	3.9774	0.6980

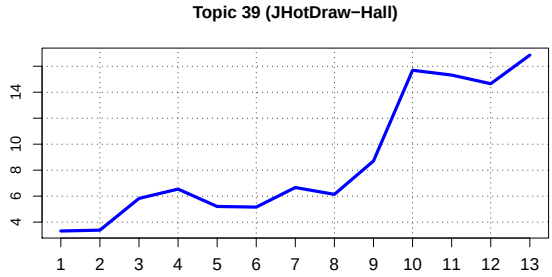
Best matching topic (Topic distance = 1.008, Evolution distance = 0.8223):



V	θ	Size	File	Package
9	1.00	13	DragTracker.java	org.jhotdraw.draw
9	1.00	11	SelectAreaTracker.java	org.jhotdraw.draw
9	0.95	19	HandleTracker.java	org.jhotdraw.draw
9	0.94	503	DefaultHandleTracker.java	org.jhotdraw.draw
4	0.59	328	SelectionTool.java	org.jhotdraw.standard
4	0.57	132	ZoomTool.java	org.jhotdraw.contrib.zoom
4	0.55	89	HandleTracker.java	org.jhotdraw.standard
4	0.54	366	DragTracker.java	org.jhotdraw.standard
2	0.66	90	HandleTracker.java	CH.ifa.draw.standard
2	0.57	287	SelectionTool.java	CH.ifa.draw.standard
2	0.56	52	PopupMenuFigureSelection.java	CH.ifa.draw.contrib
2	0.50	143	SelectAreaTracker.java	CH.ifa.draw.standard

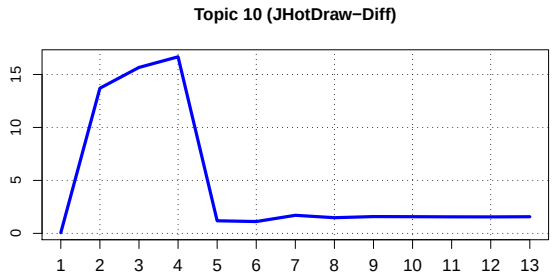
"mous motion", {*handl select figur mous view draw event evt tool area tracker*}

Best matching topic evolution (Topic distance = 2.534, Evolution distance = 0.0749):



V	θ	Size	File	Package
13	0.45	66	DOMStorable.java	org.jhotdraw.xml
13	0.43	61	Locator.java	org.jhotdraw.draw.locator
13	0.41	44	PrintableView.java	org.jhotdraw.app
13	0.38	399	Handle.java	org.jhotdraw.draw.handle
8	0.33	203	DependencyFigure.java	org.jhotdraw.samples.pert.figures
8	0.32	668	TaskFigure.java	org.jhotdraw.samples.pert.figures
8	0.30	54	Liner.java	org.jhotdraw.draw
8	0.29	109	Layouter.java	org.jhotdraw.draw
1	0.47	204	Handle.java	CH.ifa.draw.framework
1	0.41	233	AbstractHandle.java	CH.ifa.draw.standard
1	0.26	136	PertDependency.java	CH.ifa.draw.samples.pert
1	0.20	573	PertFigure.java	CH.ifa.draw.samples.pert

"start time", {*link code return param task target method figur handl pert start*}



V	θ	Size	File	Package
4	0.86	218	UndoRedoActivity.java	org.jhotdraw.util
4	0.64	120	UndoCommand.java	org.jhotdraw.util
4	0.61	408	UndoManager.java	org.jhotdraw.util
4	0.60	100	RedoCommand.java	org.jhotdraw.util
11	0.22	590	UndoRedoManager.java	org.jhotdraw.undo
11	0.12	186	RedoAction.java	org.jhotdraw.app.action
11	0.11	187	UndoAction.java	org.jhotdraw.app.action
11	0.09	21	NonUndoableEdit.java	org.jhotdraw.undo
1	0.04	52	Command.java	CH.ifa.draw.util
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"undo activ", {*undo activ undoabl view set redo affect draw get util enumer*}

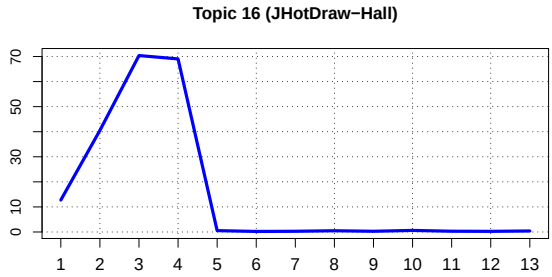
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
16	1.5321	2.3746
15	1.7131	14.4877
22	3.0788	2.8403

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
16	1.5321	2.3746
22	3.0788	2.8403
26	3.6775	7.2375

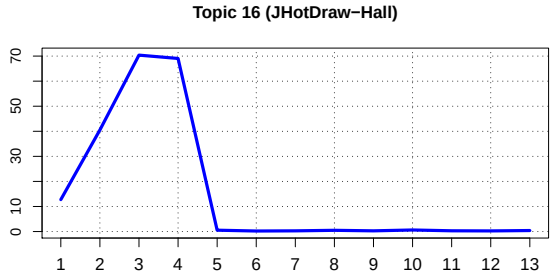
Best matching topic (Topic distance = 1.532, Evolution distance = 2.3746):



V	θ	Size	File	Package
3	1.00	222	UndoRedoActivity.java	CH.ifa.draw.util
3	1.00	71	Undoable.java	CH.ifa.draw.util
3	0.96	412	UndoManager.java	CH.ifa.draw.util
3	0.93	42	IteratorWrapper.java	CH.ifa.draw.util.collections.jdk11
13	0.18	77	StyleManager.java	org.jhotdraw.xml.css
13	0.08	115	DrawingComponent.java	org.jhotdraw.samples.svg.gui
13	0.04	25	URIUtil.java	org.jhotdraw.net
13	0.03	239	PaletteListCellRenderer.java	org.jhotdraw.gui.plaf.palette
6	0.13	47	EditableComponent.java	org.jhotdraw.app
6	0.05	347	ConnectionHandle.java	org.jhotdraw.draw
6	0.03	32	ReversedList.java	org.jhotdraw.util
6	NA	NA	NA	NA

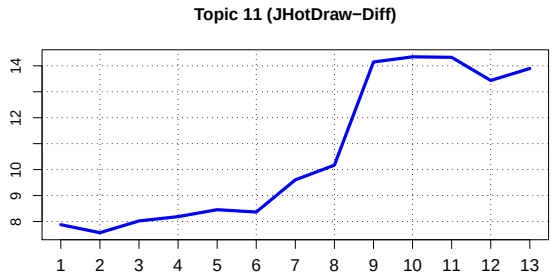
"undo activ", {*public command return undo activ figur set undoabl protect draw enumer*}

Best matching topic evolution (Topic distance = 1.532, Evolution distance = 2.3746):



V	θ	Size	File	Package
3	1.00	222	UndoRedoActivity.java	CH.ifa.draw.util
3	1.00	71	Undoable.java	CH.ifa.draw.util
3	0.96	412	UndoManager.java	CH.ifa.draw.util
3	0.93	42	IteratorWrapper.java	CH.ifa.draw.util.collections.jdk11
13	0.18	77	StyleManager.java	org.jhotdraw.xml.css
13	0.08	115	DrawingComponent.java	org.jhotdraw.samples.svg.gui
13	0.04	25	URIUtil.java	org.jhotdraw.net
13	0.03	239	PaletteListCellRenderer.java	org.jhotdraw.gui.plaf.palette
6	0.13	47	EditableComponent.java	org.jhotdraw.app
6	0.05	347	ConnectionHandle.java	org.jhotdraw.draw
6	0.03	32	ReversedList.java	org.jhotdraw.util
6	NA	NA	NA	NA

"undo activ", {*public command return undo activ figur set undoabl protect draw enumer*}



V	θ	Size	File	Package
10	0.72	459	DrawApplicationModel.java	org.jhotdraw.samples.draw
10	0.60	900	DrawingPanel.java	org.jhotdraw.samples.draw
10	0.60	673	ODGApplicationModel.java	org.jhotdraw.samples.odg
10	0.58	5944	ButtonFactory.java	org.jhotdraw.draw.action
5	0.79	443	DrawApplicationModel.java	org.jhotdraw.samples.draw
5	0.71	605	SVGApplicationModel.java	org.jhotdraw.samples.svg
5	0.64	2648	ToolBarButtonFactory.java	org.jhotdraw.draw.action
5	0.64	876	DrawingPanel.java	org.jhotdraw.samples.draw
2	0.82	156	NothingApplet.java	CH.ifa.draw.samples.nothing
2	0.79	355	JavaDrawApplet.java	CH.ifa.draw.samples.javadraw
2	0.69	197	NothingApp.java	CH.ifa.draw.samples.nothing
2	0.66	98	PertApplet.java	CH.ifa.draw.samples.pert

"tool bar", {*tool button add bar editor creat action popup draw label palett*}

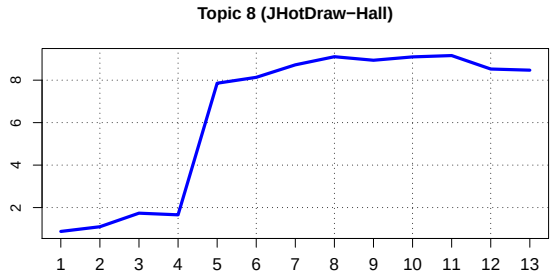
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
8	0.8092	1.1912
25	1.8963	1.6066
26	1.9613	2.6555

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
18	3.0777	0.0616
15	3.2545	0.1188
40	4.3063	0.1544

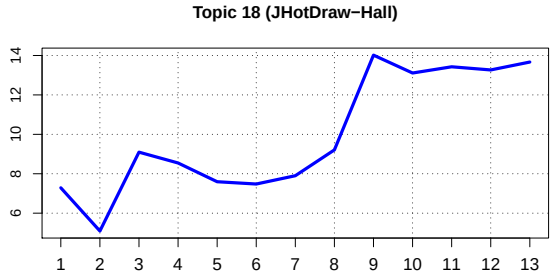
Best matching topic (Topic distance = 0.809, Evolution distance = 1.1912):



V	θ	Size	File	Package
11	0.82	5944	ButtonFactory.java	org.jhotdraw.draw.action
11	0.81	673	ODGApplicationModel.java	org.jhotdraw.samples.odg
11	0.64	532	PertApplicationModel.java	org.jhotdraw.samples.pert
11	0.64	519	NetApplicationModel.java	org.jhotdraw.samples.net
6	0.93	698	SVGApplicationModel.java	org.jhotdraw.samples.svg
6	0.73	528	PertApplicationModel.java	org.jhotdraw.samples.pert
6	0.71	2981	ToolBarButtonFactory.java	org.jhotdraw.draw.action
6	0.66	509	NetApplicationModel.java	org.jhotdraw.samples.net
1	0.20	66	CommandButton.java	CH.ifa.draw.util
1	0.19	1189	DrawApplet.java	CH.ifa.draw.applet
1	0.13	133	PertApplication.java	CH.ifa.draw.samples.pert
1	0.11	174	ToolButton.java	CH.ifa.draw.standard

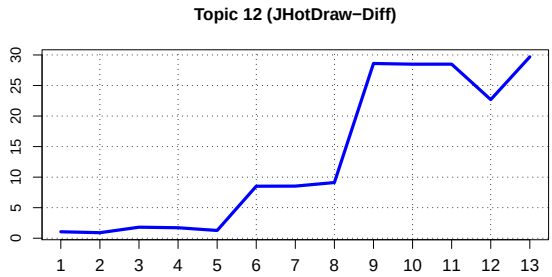
"attribut kei", {*button editor add attribut action label tool draw bar kei color*}

Best matching topic evolution (Topic distance = 3.078, Evolution distance = 0.0616):



V	θ	Size	File	Package
9	1.00	13	DragTracker.java	org.jhotdraw.draw
9	1.00	11	SelectAreaTracker.java	org.jhotdraw.draw
9	0.95	19	HandleTracker.java	org.jhotdraw.draw
9	0.94	503	DefaultHandleTracker.java	org.jhotdraw.draw
4	0.59	328	SelectionTool.java	org.jhotdraw.standard
4	0.57	132	ZoomTool.java	org.jhotdraw.contrib.zoom
4	0.55	89	HandleTracker.java	org.jhotdraw.standard
4	0.54	366	DragTracker.java	org.jhotdraw.standard
2	0.66	90	HandleTracker.java	CH.ifa.draw.standard
2	0.57	287	SelectionTool.java	CH.ifa.draw.standard
2	0.56	52	PopupMenuFigureSelection.java	CH.ifa.draw.contrib
2	0.50	143	SelectAreaTracker.java	CH.ifa.draw.standard

"mous motion", {*handl select figur mous view draw event evt tool area tracker*}



V	θ	Size	File	Package
13	1.00	296	QuantizingColorWheelImageProducer.java	org.jhotdraw.color
13	0.99	298	ColorSquareImageProducer.java	org.jhotdraw.color
13	0.99	294	PolarColorWheelImageProducer.java	org.jhotdraw.color
13	0.97	222	HSLHarmonicColorWheelImageProducer.java	org.jhotdraw.color
6	0.95	910	LinearGradientPaintContext.java	org.apache.batik.ext.awt
6	0.94	2031	MultipleGradientPaintContext.java	org.apache.batik.ext.awt
6	0.84	32	Colors.java	org.jhotdraw.draw.action
6	0.83	1167	RadialGradientPaintContext.java	org.apache.batik.ext.awt
2	0.53	189	ColorMap.java	CH.ifa.draw.util
2	0.12	209	StorableOutput.java	CH.ifa.draw.util
2	0.11	62	Filler.java	CH.ifa.draw.util
2	0.09	68	Animator.java	CH.ifa.draw.samples.javadraw

"color color", {*color gradient space index compon rgb model system min pixel red*}

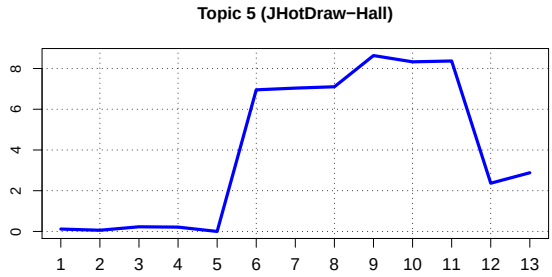
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
5	0.3205	4.2893
14	1.1410	0.6536
12	2.5456	2.2935

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
10	3.7126	0.2449
23	4.1281	0.2930
34	2.7330	0.3028

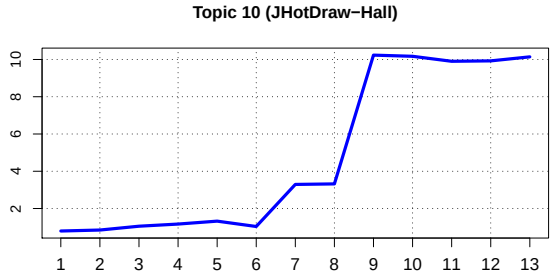
Best matching topic (Topic distance = 0.320, Evolution distance = 4.2893):



V	θ	Size	File	Package
9	1.00	939	LinearGradientPaintContext.java	org.apache.batik.ext.awt
9	1.00	2034	MultipleGradientPaintContext.java	org.apache.batik.ext.awt
9	0.94	466	MultipleGradientPaint.java	org.apache.batik.ext.awt
9	0.90	1040	RadialGradientPaint.java	org.apache.batik.ext.awt
12	0.62	370	RadialGradient.java	org.jhotdraw.samples.svg
12	0.49	425	LinearGradient.java	org.jhotdraw.samples.svg
12	0.47	218	PaletteButtonBorder.java	org.jhotdraw.gui.plaf.palette
12	0.40	182	PaletteTextComponentBorder.java	org.jhotdraw.gui.plaf.palette
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

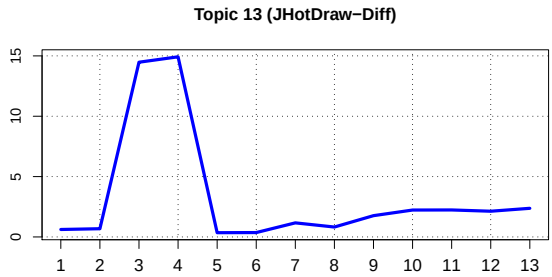
"stop color", {*color gradient space paint focu fraction stop arrai linear rgb model*}

Best matching topic evolution (Topic distance = 3.713, Evolution distance = 0.2449):



V	θ	Size	File	Package
9	1.00	2229	HandleAttributeKeys.java	org.jhotdraw.draw
9	0.96	495	BoundsOutlineHandle.java	org.jhotdraw.draw
9	0.95	514	ConvexHullOutlineHandle.java	org.jhotdraw.samples.svg.figures
9	0.89	312	SVGPathOutlineHandle.java	org.jhotdraw.samples.svg.figures
5	0.35	112	ColorAttributeIcon.java	org.jhotdraw.draw.action
5	0.15	111	ChopEllipseConnector.java	org.jhotdraw.draw
5	0.14	594	AbstractHandle.java	org.jhotdraw.draw
5	0.13	466	SVGPath.java	org.jhotdraw.samples.svg.figures
1	0.40	218	AbstractLineDecoration.java	CH.ifa.draw.figures
1	0.16	50	GroupHandle.java	CH.ifa.draw.figures
1	0.15	307	AttributeFigure.java	CH.ifa.draw.figures
1	0.06	1189	DrawApplet.java	CH.ifa.draw.applet

"attribut kei", {*color stroke kei attribut handl bound fill transform shape bezier disabl*}



V	θ	Size	File	Package
4	1.00	28	ContentProducerContext.java	org.jhotdraw.contrib.html
4	1.00	22	HTMLContentProducerContext.java	org.jhotdraw.contrib.html
4	0.95	590	ContentProducerRegistry.java	org.jhotdraw.contrib.html
4	0.78	40	AttributeContentProducerContext.java	org.jhotdraw.contrib.html
7	0.25	56	Shapes.java	org.jhotdraw.geom
7	0.20	269	MyMnemonicText.java	org.jhotdraw.application
7	0.18	79	Constrainer.java	org.jhotdraw.draw
7	0.07	162	XMLTransferable.java	org.jhotdraw.xml
5	0.07	162	XMLTransferable.java	org.jhotdraw.xml
5	0.06	1161	XMLElement.java	net.n3.nanoxml
5	0.04	560	IXMLElement.java	net.n3.nanoxml
5	0.03	170	AttributeToggler.java	org.jhotdraw.draw.action

"content produc", {*produc content param public html attr context paramet object return descript*}

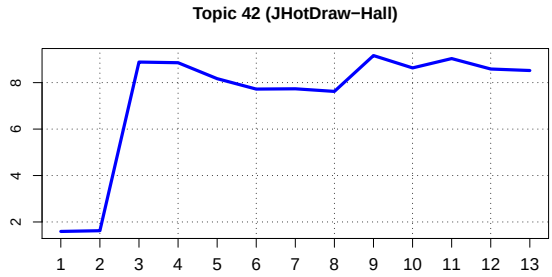
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
42	2.4427	14.3200
39	2.6886	19.2553
19	2.7910	19.3257

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
16	2.8024	5.2288
17	4.2907	6.6522
22	2.8207	6.9937

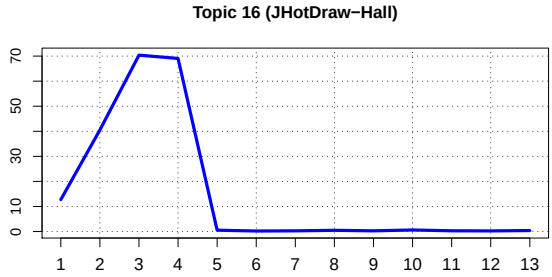
Best matching topic (Topic distance = 2.443, Evolution distance = 14.3200):



V	θ	Size	File	Package
9	1.00	481	DrawApplet.java	org.jhotdraw.samples.draw
9	1.00	484	NetApplet.java	org.jhotdraw.samples.net
9	1.00	464	PertApplet.java	org.jhotdraw.samples.pert
9	0.95	610	DrawLiveConnectApplet.java	org.jhotdraw.samples.draw
5	1.00	385	SVGApplet.java	org.jhotdraw.samples.svg
5	0.97	597	SVGLiveConnectApplet.java	org.jhotdraw.samples.svg
5	0.94	417	PertApplet.java	org.jhotdraw.samples.pert
5	0.93	424	DrawApplet.java	org.jhotdraw.samples.draw
1	0.47	141	JavaDrawViewer.java	CH.ifa.draw.samples.javadraw
1	0.38	91	FollowURLTool.java	CH.ifa.draw.samples.javadraw
1	0.26	229	Iconkit.java	CH.ifa.draw.util
1	0.15	1189	DrawApplet.java	CH.ifa.draw.applet

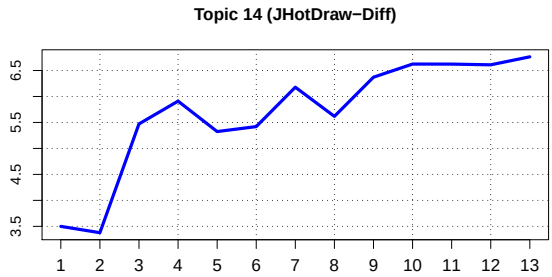
"content produc", {*draw set paramet applet content url input produc format text result*}

Best matching topic evolution (Topic distance = 2.802, Evolution distance = 5.2288):



V	θ	Size	File	Package
3	1.00	222	UndoRedoActivity.java	CH.ifa.draw.util
3	1.00	71	Undoable.java	CH.ifa.draw.util
3	0.96	412	UndoManager.java	CH.ifa.draw.util
3	0.93	42	IteratorWrapper.java	CH.ifa.draw.util.collections.jdk11
13	0.18	77	StyleManager.java	org.jhotdraw.xml.css
13	0.08	115	DrawingComponent.java	org.jhotdraw.samples.svg.gui
13	0.04	25	URIUtil.java	org.jhotdraw.net
13	0.03	239	PaletteListCellRenderer.java	org.jhotdraw.gui.plaf.palette
6	0.13	47	EditableComponent.java	org.jhotdraw.app
6	0.05	347	ConnectionHandle.java	org.jhotdraw.draw
6	0.03	32	ReversedList.java	org.jhotdraw.util
6	NA	NA	NA	NA

"undo activ", {*public command return undo activ figur set undoabl protect draw enumer*}



V	θ	Size	File	Package
13	0.66	29	AbstractLayouter.java	org.jhotdraw.draw.layouter
13	0.65	98	Layouter.java	org.jhotdraw.draw.layouter
13	0.59	623	VerticalGridLayout.java	org.jhotdraw.gui
13	0.46	315	VerticalLayouter.java	org.jhotdraw.draw.layouter
8	0.59	616	VerticalGridLayout.java	org.jhotdraw.draw.action
8	0.59	109	Layouter.java	org.jhotdraw.draw
8	0.45	29	AbstractLayouter.java	org.jhotdraw.draw
8	0.44	203	VerticalLayouter.java	org.jhotdraw.draw
2	0.79	124	Layouter.java	CH.ifa.draw.contrib
2	0.58	43	Layoutable.java	CH.ifa.draw.contrib
2	0.47	395	StandardLayouter.java	CH.ifa.draw.contrib
2	0.44	600	GraphicalCompositeFigure.java	CH.ifa.draw.contrib

"layout layout", {*layout pert inset composit task present set compon contain point child*}

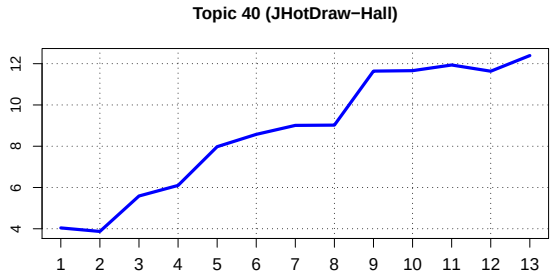
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
40	2.6552	0.2777
39	2.7578	1.3502
29	2.9102	3.0506

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
31	4.6226	0.0655
37	4.4118	0.0875
30	4.8498	0.1124

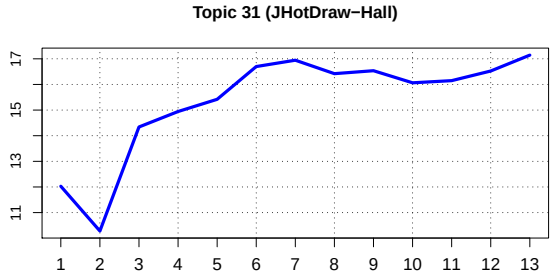
Best matching topic (Topic distance = 2.655, Evolution distance = 0.2777):



V	θ	Size	File	Package
13	1.00	623	VerticalGridLayout.java	org.jhotdraw.gui
13	1.00	427	Insets2D.java	org.jhotdraw.geom
13	0.95	227	ToolBarLayout.java	org.jhotdraw.gui
13	0.80	315	VerticalLayouter.java	org.jhotdraw.draw.layouter
6	1.00	412	Insets2D.java	org.jhotdraw.geom
6	1.00	616	VerticalGridLayout.java	org.jhotdraw.draw.action
6	0.81	204	VerticalLayouter.java	org.jhotdraw.draw
6	0.69	300	Dimension2DDouble.java	org.jhotdraw.geom
2	0.70	185	PaletteLayout.java	CH.ifa.draw.util
2	0.63	43	Layoutable.java	CH.ifa.draw.contrib
2	0.50	395	StandardLayouter.java	CH.ifa.draw.contrib
2	0.41	175	AutoscrollHelper.java	CH.ifa.draw.contrib

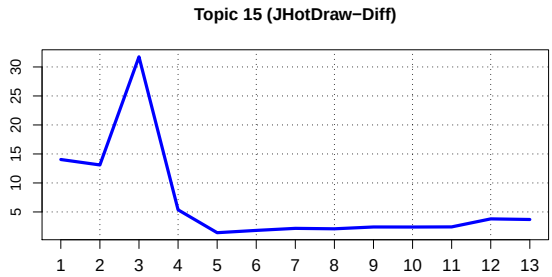
"inset inset", {*inset layout width height left bound size top bottom prefer compon*}

Best matching topic evolution (Topic distance = 4.623, Evolution distance = 0.0655):



V	θ	Size	File	Package
13	1.00	109	ConnectionStartHandle.java	org.jhotdraw.draw.handle
13	0.98	111	ConnectionEndHandle.java	org.jhotdraw.draw.handle
13	0.76	58	ChopBezierConnector.java	org.jhotdraw.draw.connector
13	0.75	1186	LineConnectionFigure.java	org.jhotdraw.draw
10	1.00	100	ConnectionEndHandle.java	org.jhotdraw.draw
10	0.98	96	ConnectionStartHandle.java	org.jhotdraw.draw
10	0.77	1134	LineConnectionFigure.java	org.jhotdraw.draw
10	0.75	279	AbstractConnector.java	org.jhotdraw.draw
2	0.66	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	646	LineConnection.java	CH.ifa.draw.figures
2	0.61	805	ConnectionTool.java	CH.ifa.draw.standard
2	0.61	488	ChangeConnectionHandle.java	CH.ifa.draw.standard

"connect figur", {*connect figur connector start end target point draw set handl owner*}



V	θ	Size	File	Package
3	0.42	26	Cursor.java	CH.ifa.draw.framework
3	0.40	47	SimpleUpdateStrategy.java	CH.ifa.draw.standard
3	0.40	53	NullPainter.java	CH.ifa.draw.standard
3	0.37	35	DrawingChangeListener.java	CH.ifa.draw.framework
9	0.18	114	DrawingComponent.java	org.jhotdraw.samples.svg.gui
9	0.16	44	SVGZOutputFormat.java	org.jhotdraw.samples.svg.io
9	0.10	271	InputFormat.java	org.jhotdraw.draw
9	0.10	67	Main.java	org.jhotdraw.samples.draw
5	0.23	31	DrawingListener.java	org.jhotdraw.draw
5	0.12	80	DrawingEvent.java	org.jhotdraw.draw
5	0.11	63	Main.java	org.jhotdraw.samples.draw
5	0.10	424	DrawApplet.java	org.jhotdraw.samples.draw

"ifa draw", {*draw ifa standard framework updat awt util titl simpl graphic gener*}

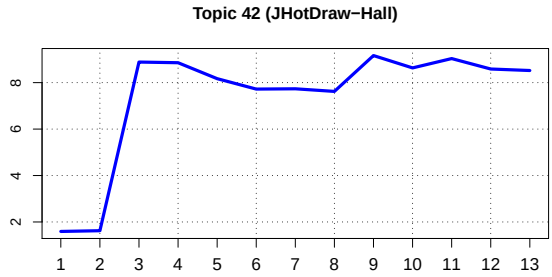
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
42	3.5688	14.6911
22	4.0191	4.9854
15	4.1159	13.4965

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
22	4.0191	4.9854
26	4.9344	7.1059
16	4.1564	10.3809

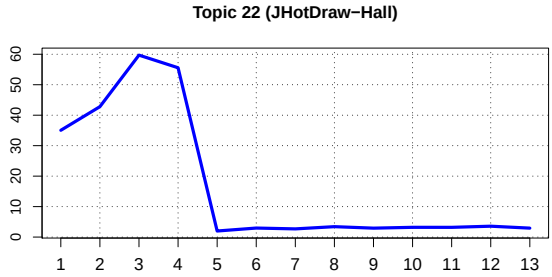
Best matching topic (Topic distance = 3.569, Evolution distance = 14.6911):



V	θ	Size	File	Package
9	1.00	481	DrawApplet.java	org.jhotdraw.samples.draw
9	1.00	484	NetApplet.java	org.jhotdraw.samples.net
9	1.00	464	PertApplet.java	org.jhotdraw.samples.pert
9	0.95	610	DrawLiveConnectApplet.java	org.jhotdraw.samples.draw
5	1.00	385	SVGApplet.java	org.jhotdraw.samples.svg
5	0.97	597	SVGLiveConnectApplet.java	org.jhotdraw.samples.svg
5	0.94	417	PertApplet.java	org.jhotdraw.samples.pert
5	0.93	424	DrawApplet.java	org.jhotdraw.samples.draw
1	0.47	141	JavaDrawViewer.java	CH.ifa.draw.samples.javadraw
1	0.38	91	FollowURLTool.java	CH.ifa.draw.samples.javadraw
1	0.26	229	Iconkit.java	CH.ifa.draw.util
1	0.15	1189	DrawApplet.java	CH.ifa.draw.applet

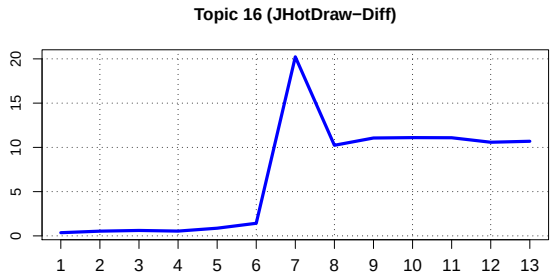
"content produc", {*draw set paramet applet content url input produc format text result*}

Best matching topic evolution (Topic distance = 4.019, Evolution distance = 4.9854):



V	θ	Size	File	Package
3	1.00	132	AnimationDecorator.java	CH.ifa.draw.samples.javadraw
3	1.00	108	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
3	1.00	12	Animatable.java	CH.ifa.draw.util
3	0.99	174	RectangleFigure.java	CH.ifa.draw.figures
11	0.74	61	DecoratedFigure.java	org.jhotdraw.draw
11	0.59	184	AbstractAttributedDecoratedFigure.java	org.jhotdraw.draw
11	0.46	210	CompositeLineDecoration.java	org.jhotdraw.draw
11	0.24	90	PerpendicularBar.java	org.jhotdraw.draw
5	0.30	61	LineDecoration.java	org.jhotdraw.draw
5	0.22	45	Locator.java	org.jhotdraw.draw
5	0.21	75	GeneralPathTip.java	org.jhotdraw.draw
5	0.21	117	LocatorConnector.java	org.jhotdraw.draw

"displai box", {*figur public box displai draw decor return read storabl ifa point*}



V	θ	Size	File	Package
7	0.99	549	`Matcher.java`	`org.jhotdraw.samples.teddyapplication.regex`
7	0.97	550	`Matcher.java`	`org.jhotdraw.samples.teddy.regex`
7	0.93	29	`MatchType.java`	`org.jhotdraw.samples.teddy.regex`
7	0.93	28	`MatchType.java`	`org.jhotdraw.samples.teddyapplication.regex`
6	0.18	59	`SeparatorLineFigure.java`	`org.jhotdraw.samples.pert.figures`
6	0.18	137	`DeleteAction.java`	`org.jhotdraw.app.action`
6	0.15	164	`CSSRule.java`	`org.jhotdraw.xml.css`
6	0.13	161	`EditorSample.java`	`org.jhotdraw.samples.mini`
1	0.11	141	`JavaDrawViewer.java`	`CH.ifa.draw.samples.javadraw`
1	0.10	91	`FollowURLTool.java`	`CH.ifa.draw.samples.javadraw`
1	0.08	1189	`DrawApplet.java`	`CH.ifa.draw.applet`
1	0.06	2060	`DrawApplication.java`	`CH.ifa.draw.application`

"prefer size", {*line set editor find docum index start match text replac swing*}

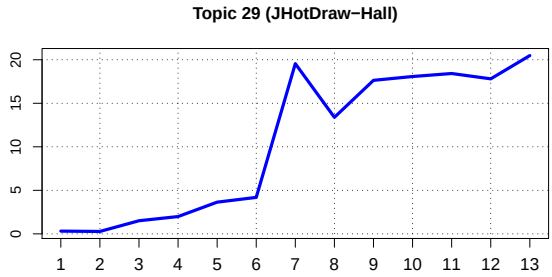
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
29	0.7056	0.9135
2	2.3317	1.1717
37	2.5772	4.1446

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
29	0.7056	0.9135
2	2.3317	1.1717
28	2.6467	1.2954

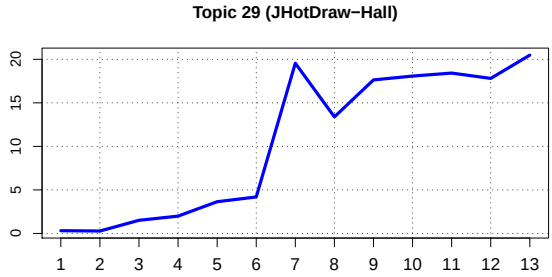
Best matching topic (Topic distance = 0.706, Evolution distance = 0.9135):



V	θ	Size	File	Package
13	0.95	681	`CharacterSetAccessory.java`	`org.jhotdraw.samples.teddy`
13	0.87	110	`FontChooserMain.java`	`org.jhotdraw.samples.font`
13	0.74	53	`NumberedEditorKit.java`	`org.jhotdraw.samples.teddy.text`
13	0.71	1333	`TeddyView.java`	`org.jhotdraw.samples.teddy`
6	0.52	790	`NetProject.java`	`org.jhotdraw.samples.net`
6	0.51	751	`PertProject.java`	`org.jhotdraw.samples.pert`
6	0.49	684	`DrawProject.java`	`org.jhotdraw.samples.draw`
6	0.41	908	`SVGProject.java`	`org.jhotdraw.samples.svg`
2	0.08	1395	`DrawApplet.java`	`CH.ifa.draw.applet`
2	0.07	58	`OrderedFigureElement.java`	`CH.ifa.draw.standard`
2	0.06	68	`Animator.java`	`CH.ifa.draw.samples.javadraw`
2	0.05	2632	`DrawApplication.java`	`CH.ifa.draw.application`

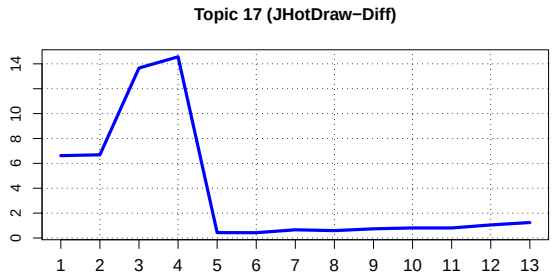
"scroll pane", {*set layout add pane swing editor line javax scroll panel button*}

Best matching topic evolution (Topic distance = 0.706, Evolution distance = 0.9135):



V	θ	Size	File	Package
13	0.95	681	`CharacterSetAccessory.java`	`org.jhotdraw.samples.teddy`
13	0.87	110	`FontChooserMain.java`	`org.jhotdraw.samples.font`
13	0.74	53	`NumberedEditorKit.java`	`org.jhotdraw.samples.teddy.text`
13	0.71	1333	`TeddyView.java`	`org.jhotdraw.samples.teddy`
6	0.52	790	`NetProject.java`	`org.jhotdraw.samples.net`
6	0.51	751	`PertProject.java`	`org.jhotdraw.samples.pert`
6	0.49	684	`DrawProject.java`	`org.jhotdraw.samples.draw`
6	0.41	908	`SVGProject.java`	`org.jhotdraw.samples.svg`
2	0.08	1395	`DrawApplet.java`	`CH.ifa.draw.applet`
2	0.07	58	`OrderedFigureElement.java`	`CH.ifa.draw.standard`
2	0.06	68	`Animator.java`	`CH.ifa.draw.samples.javadraw`
2	0.05	2632	`DrawApplication.java`	`CH.ifa.draw.application`

"scroll pane", {*set layout add pane swing editor line javax scroll panel button*}



V	θ	Size	File	Package
4	0.90	154	`CommandMenuItem.java`	`org.jhotdraw.contrib`
4	0.89	197	`CommandCheckBoxMenuItem.java`	`org.jhotdraw.contrib`
4	0.84	388	`CTXCommandMenu.java`	`org.jhotdraw.contrib`
4	0.83	243	`CommandMenu.java`	`org.jhotdraw.util`
11	0.29	117	`PaletteMenuItemUI.java`	`org.jhotdraw.gui.plaf.palette`
11	0.07	514	`AlignAction.java`	`org.jhotdraw.draw.action`
11	0.07	330	`FontChooserHandler.java`	`org.jhotdraw.draw.action`
11	0.06	60	`ClearAction.java`	`org.jhotdraw.app.action`
6	0.27	132	`PaletteMenuItemUI.java`	`org.jhotdraw.draw.action`
6	0.09	425	`AlignAction.java`	`org.jhotdraw.draw.action`
6	0.03	30	`LocaleUtil.java`	`org.jhotdraw.util`
6	NA	NA	`NA`	`NA`

"command execut", {*command menu execut item align add check select enabl set action*}

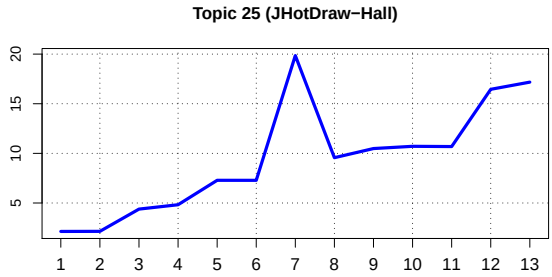
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
25	2.4397	23.0507
16	2.7594	2.0104
8	2.8333	25.0528

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
22	3.6715	0.6406
16	2.7594	2.0104
26	4.3222	6.3531

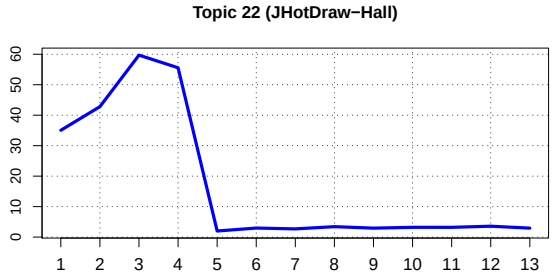
Best matching topic (Topic distance = 2.440, Evolution distance = 23.0507):



V	θ	Size	File	Package
7	1.00	1290	`DefaultOSXApplication.java`	`org.jhotdraw.app`
7	1.00	987	`DefaultSDIApplication.java`	`org.jhotdraw.app`
7	0.99	1188	`AbstractOSXApplication.java`	`org.jhotdraw.application`
7	0.99	750	`AbstractSDIApplication.java`	`org.jhotdraw.application`
5	1.00	1378	`DefaultOSXApplication.java`	`org.jhotdraw.app`
5	1.00	1107	`DefaultSDIApplication.java`	`org.jhotdraw.app`
5	0.92	131	`OSXTogglePaletteAction.java`	`org.jhotdraw.app.action`
5	0.89	236	`OSXPaletteHandler.java`	`org.jhotdraw.app`
1	0.49	166	`CommandMenu.java`	`CH.ifa.draw.util`
1	0.37	2060	`DrawApplication.java`	`CH.ifa.draw.application`
1	0.32	462	`JavaDrawApp.java`	`CH.ifa.draw.samples.javadraw`
1	0.31	70	`CommandChoice.java`	`CH.ifa.draw.util`

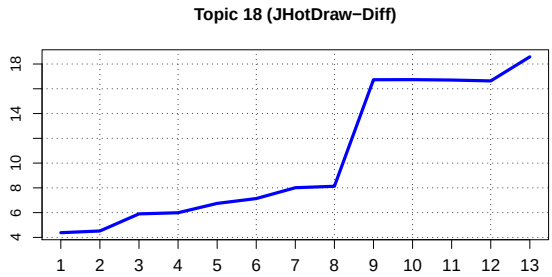
"menu item", {*action menu add window view item set jmenu applic palett bar*}

Best matching topic evolution (Topic distance = 3.672, Evolution distance = 0.6406):



V	θ	Size	File	Package
3	1.00	132	`AnimationDecorator.java`	`CH.ifa.draw.samples.javadraw`
3	1.00	108	`BouncingDrawing.java`	`CH.ifa.draw.samples.javadraw`
3	1.00	12	`Animatable.java`	`CH.ifa.draw.util`
3	0.99	174	`RectangleFigure.java`	`CH.ifa.draw.figures`
11	0.74	61	`DecoratedFigure.java`	`org.jhotdraw.draw`
11	0.59	184	`AbstractAttributedDecoratedFigure.java`	`org.jhotdraw.draw`
11	0.46	210	`CompositeLineDecoration.java`	`org.jhotdraw.draw`
11	0.24	90	`PerpendicularBar.java`	`org.jhotdraw.draw`
5	0.30	61	`LineDecoration.java`	`org.jhotdraw.draw`
5	0.22	45	`Locator.java`	`org.jhotdraw.draw`
5	0.21	75	`GeneralPathTip.java`	`org.jhotdraw.draw`
5	0.21	117	`LocatorConnector.java`	`org.jhotdraw.draw`

"displai box", {*figur public box displai draw decor return read storabl ifa point*}



V	θ	Size	File	Package
13	0.95	111	BackdropBorder.java	org.jhotdraw.gui.plaf.palette
13	0.85	12	PaletteBorders.java	org.jhotdraw.gui.plaf.palette
13	0.65	135	PalettePanelUI.java	org.jhotdraw.gui.plaf.palette
13	0.64	427	Insets2D.java	org.jhotdraw.geom
6	0.67	412	Insets2D.java	org.jhotdraw.geom
6	0.60	654	ImageBevelBorder.java	org.jhotdraw.quaqua
6	0.51	613	PreferencesUtil.java	org.jhotdraw.util.prefs
6	0.51	300	Dimension2DDouble.java	org.jhotdraw.geom
1	0.80	46	Filler.java	CH.ifa.draw.util
1	0.55	161	PaletteLayout.java	CH.ifa.draw.util
1	0.47	53	PaletteIcon.java	CH.ifa.draw.util
1	0.42	171	BorderDecorator.java	CH.ifa.draw.figures

"width height", {*size width height inset border left top bottom rect dimens set*}

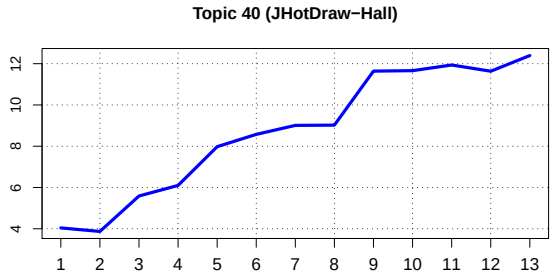
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
40	1.1120	0.4172
32	2.2702	0.1080
29	2.7469	1.3670

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
32	2.2702	0.1080
39	4.1172	0.3075
40	1.1120	0.4172

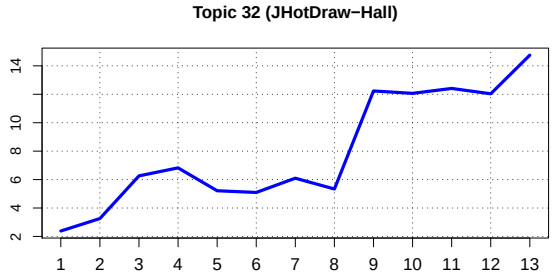
Best matching topic (Topic distance = 1.112, Evolution distance = 0.4172):



V	θ	Size	File	Package
13	1.00	623	VerticalGridLayout.java	org.jhotdraw.gui
13	1.00	427	Insets2D.java	org.jhotdraw.geom
13	0.95	227	ToolBarLayout.java	org.jhotdraw.gui
13	0.80	315	VerticalLayouter.java	org.jhotdraw.draw.layouter
6	1.00	412	Insets2D.java	org.jhotdraw.geom
6	1.00	616	VerticalGridLayout.java	org.jhotdraw.draw.action
6	0.81	204	VerticalLayouter.java	org.jhotdraw.draw
6	0.69	300	Dimension2DDouble.java	org.jhotdraw.geom
2	0.70	185	PaletteLayout.java	CH.ifa.draw.util
2	0.63	43	Layoutable.java	CH.ifa.draw.contrib
2	0.50	395	StandardLayouter.java	CH.ifa.draw.contrib
2	0.41	175	AutoscrollHelper.java	CH.ifa.draw.contrib

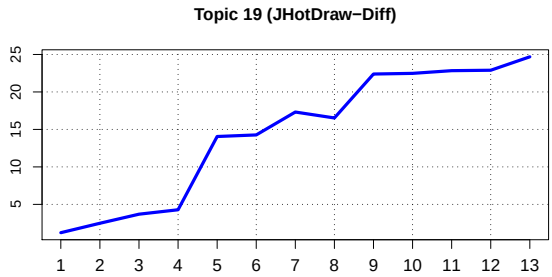
"inset inset", {*inset layout width height left bound size top bottom prefer compon*}

Best matching topic evolution (Topic distance = 2.270, Evolution distance = 0.1080):



V	θ	Size	File	Package
13	1.00	111	BackdropBorder.java	org.jhotdraw.gui.plaf.palette
13	1.00	12	PaletteBorders.java	org.jhotdraw.gui.plaf.palette
13	1.00	384	ToolBarPrefsHandler.java	org.jhotdraw.util.prefs
13	0.85	104	PaletteButtonUI.java	org.jhotdraw.gui.plaf.palette
7	0.99	383	ToolBarPrefsHandler.java	org.jhotdraw.util.prefs
7	0.81	737	MDIDesktopPane.java	org.jhotdraw.gui
7	0.62	81	PlacardScrollPaneLayout.java	org.jhotdraw.gui
7	0.54	84	ArrangeAction.java	org.jhotdraw.app.action
1	0.45	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.41	387	MDI_InternalFrame.java	CH.ifa.draw.contrib
1	0.35	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.29	171	BorderDecorator.java	CH.ifa.draw.figures

"intern frame", {*border frame bar pane desktop set compon window pref arrang tool*}



V	θ	Size	File	Package
13	1.00	902	`Methods.java`	`org.jhotdraw.util`
13	0.83	180	`Worker.java`	`org.jhotdraw.gui`
13	0.77	517	`GenericListener.java`	`org.jhotdraw.gui.event`
13	0.72	47	`Nullable.java`	`org.jhotdraw.annotations`
6	1.00	902	`Methods.java`	`org.jhotdraw.util`
6	0.91	107	`Worker.java`	`org.jhotdraw.gui`
6	0.77	510	`GenericListener.java`	`org.jhotdraw.draw.action`
6	0.67	30	`LocaleUtil.java`	`org.jhotdraw.util`
1	0.24	91	`FollowURLTool.java`	`CH.ifa.draw.samples.javadraw`
1	0.16	31	`FigureEnumeration.java`	`CH.ifa.draw.framework`
1	0.14	434	`CustomSelectionTool.java`	`CH.ifa.draw.contrib`
1	0.11	413	`Figure.java`	`CH.ifa.draw.framework`

"code code", {*code method param except object return call applet invok result creat*}

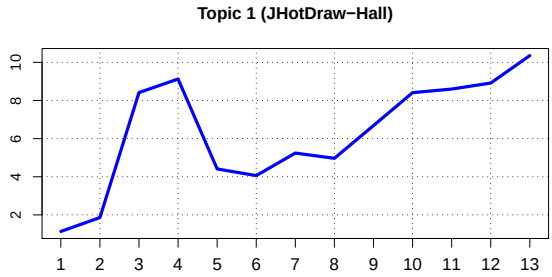
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
1	0.8168	1.9519
39	1.7261	0.9638
42	2.2386	1.5445

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
13	4.7766	0.0699
43	4.8749	0.1284
27	4.1410	0.1514

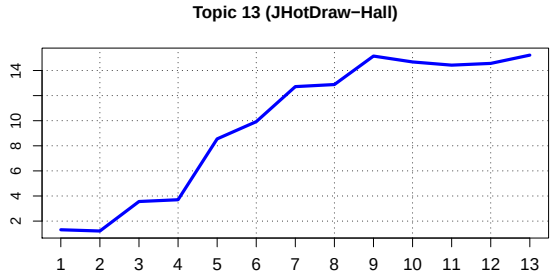
Best matching topic (Topic distance = 0.817, Evolution distance = 1.9519):



V	θ	Size	File	Package
13	1.00	902	`Methods.java`	`org.jhotdraw.util`
13	0.80	517	`GenericListener.java`	`org.jhotdraw.gui.event`
13	0.79	14	`Disposable.java`	`org.jhotdraw.app`
13	0.59	182	`XMLParserFactory.java`	`net.n3.nanoxml`
7	1.00	902	`Methods.java`	`org.jhotdraw.util`
7	0.80	510	`GenericListener.java`	`org.jhotdraw.draw.action`
7	0.57	182	`XMLParserFactory.java`	`net.n3.nanoxml`
7	0.38	648	`ResourceBundleUtil.java`	`org.jhotdraw.util`
1	0.29	31	`FigureEnumeration.java`	`CH.ifa.draw.framework`
1	0.26	54	`Animator.java`	`CH.ifa.draw.samples.javadraw`
1	0.15	47	`AbstractLocator.java`	`CH.ifa.draw.standard`
1	0.07	177	`StorableInput.java`	`CH.ifa.draw.util`

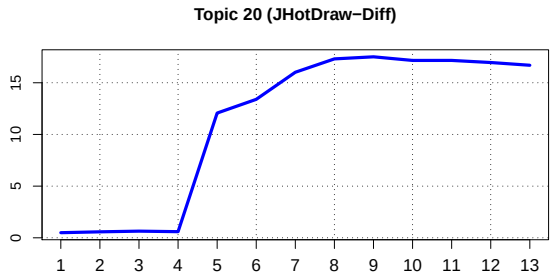
"method invok", {*method except object invok resourc param target obj error code dispos*}

Best matching topic evolution (Topic distance = 4.777, Evolution distance = 0.0699):



V	θ	Size	File	Package
13	0.69	585	`AbstractAttributedFigure.java`	`org.jhotdraw.draw`
13	0.65	615	`AbstractAttributedCompositeFigure.java`	`org.jhotdraw.draw`
13	0.62	130	`PickAttributesAction.java`	`org.jhotdraw.draw.action`
13	0.59	370	`AttributeAction.java`	`org.jhotdraw.draw.action`
6	0.85	156	`AttributeKey.java`	`org.jhotdraw.draw`
6	0.70	632	`AbstractAttributedCompositeFigure.java`	`org.jhotdraw.draw`
6	0.69	644	`AbstractAttributedFigure.java`	`org.jhotdraw.draw`
6	0.50	217	`AttributeAction.java`	`org.jhotdraw.draw.action`
2	0.31	333	`AttributeFigure.java`	`CH.ifa.draw.figures`
2	0.22	294	`ChangeAttributeCommand.java`	`CH.ifa.draw.standard`
2	0.22	296	`FigureAttributes.java`	`CH.ifa.draw.figures`
2	0.18	189	`ColorMap.java`	`CH.ifa.draw.util`

"attribut kei", {*attribut kei set figur object map entri draw hash restor put*}



V	θ	Size	File	Package
9	0.94	191	DOMOutput.java	org.jhotdraw.xml
9	0.85	142	ODGDrawing.java	org.jhotdraw.samples.odg
9	0.85	479	NanoXMLDOMInput.java	org.jhotdraw.xml
9	0.85	156	DOMInput.java	org.jhotdraw.xml
6	0.98	181	DOMOutput.java	org.jhotdraw.xml
6	0.92	61	StyleManager.java	org.jhotdraw.xml.css
6	0.90	146	DOMInput.java	org.jhotdraw.xml
6	0.87	469	NanoXMLDOMInput.java	org.jhotdraw.xml
1	0.20	177	StorableInput.java	CH.ifa.draw.util
1	0.20	66	NumberTextFigure.java	CH.ifa.draw.figures
1	0.04	550	PolyLineFigure.java	CH.ifa.draw.figures
1	0.02	573	PertFigure.java	CH.ifa.draw.samples.pert

"open elem", {*elem attribut number read ioexcept str style current object text buf*}

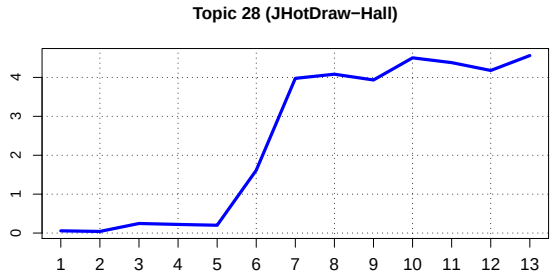
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
28	0.3895	0.9817
4	0.7297	0.1633
3	0.8209	0.2577

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
11	4.9251	0.0301
27	3.0954	0.0694
36	2.9182	0.1041

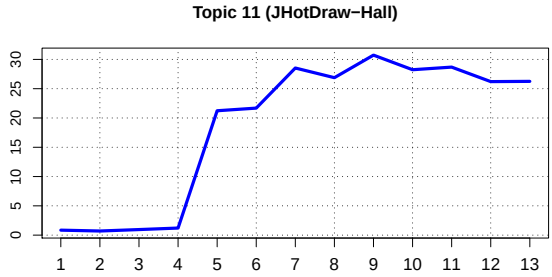
Best matching topic (Topic distance = 0.389, Evolution distance = 0.9817):



V	θ	Size	File	Package
13	0.92	7688	SVGInputFormat.java	org.jhotdraw.samples.svg.io
13	0.83	3947	ODGInputFormat.java	org.jhotdraw.samples.odg.io
13	0.81	1723	ODGStylesReader.java	org.jhotdraw.samples.odg.io
13	0.61	77	StyleManager.java	org.jhotdraw.xml.css
6	0.92	6344	SVGInputFormat.java	org.jhotdraw.samples.svg.io
6	0.62	61	StyleManager.java	org.jhotdraw.xml.css
6	0.07	29	DOMStorable.java	org.jhotdraw.xml
6	NA	NA	NA	NA
2	0.04	263	Iconkit.java	CH.ifa.draw.util
2	NA	NA	NA	NA
2	NA	NA	NA	NA
2	NA	NA	NA	NA

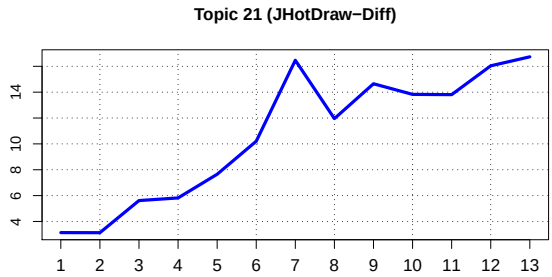
"attribut kei object", {*elem attribut read str style inherit ioexcept number position object stream*}

Best matching topic evolution (Topic distance = 4.925, Evolution distance = 0.0301):



V	θ	Size	File	Package
9	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
9	0.97	30	LocaleUtil.java	org.jhotdraw.util
9	0.87	245	CompositeEdit.java	org.jhotdraw.undo
9	0.74	621	UndoRedoManager.java	org.jhotdraw.undo
6	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
6	1.00	30	LocaleUtil.java	org.jhotdraw.util
6	0.88	241	CompositeEdit.java	org.jhotdraw.undo
6	0.72	615	UndoRedoManager.java	org.jhotdraw.undo
2	0.23	71	CommandButton.java	CH.ifa.draw.util
2	0.20	66	ActionTool.java	CH.ifa.draw.standard
2	0.13	184	FloatingTextField.java	CH.ifa.draw.util
2	0.07	210	CustomToolBar.java	CH.ifa.draw.contrib

"undoabl edit", {*action edit undo label redo util bundl chang undoabl resourc event*}



V	θ	Size	File	Package
13	0.75	126	ExtensionFileFilter.java	org.jhotdraw.gui.filechooser
13	0.71	156	SheetEvent.java	org.jhotdraw.gui.event
13	0.68	46	JFileURIChooser.java	org.jhotdraw.gui
13	0.62	25	URIUtil.java	org.jhotdraw.net
6	0.73	130	ExtensionFileFilter.java	org.jhotdraw.io
6	0.70	129	SheetEvent.java	org.jhotdraw.gui.event
6	0.63	682	ExitAction.java	org.jhotdraw.app.action
6	0.60	339	AbstractSaveBeforeAction.java	org.jhotdraw.app.action
2	0.83	353	StorageFormatManager.java	CH.ifa.draw.util
2	0.76	110	StorageFormat.java	CH.ifa.draw.util
2	0.70	506	StandardStorageFormat.java	CH.ifa.draw.util
2	0.53	196	SerializationStorageFormat.java	CH.ifa.draw.util

"storag format", {*file format chooser storag filter save set extens pane option dialog*}

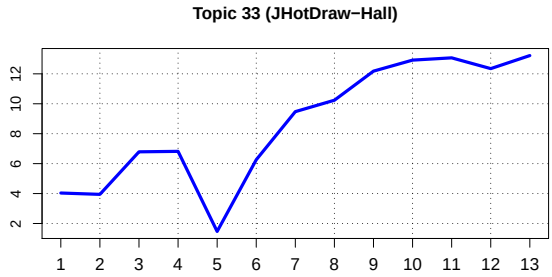
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
33	1.7395	0.4916
45	1.9059	0.5170
44	2.4728	0.6799

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
13	4.9120	0.1975
21	4.5738	0.2162
2	3.6519	0.2469

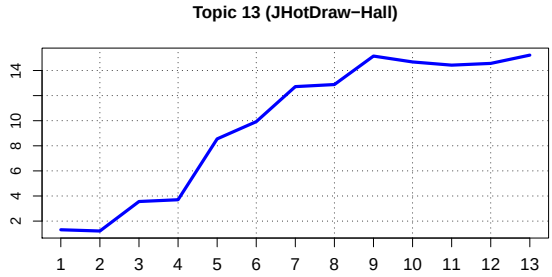
Best matching topic (Topic distance = 1.739, Evolution distance = 0.4916):



V	θ	Size	File	Package
13	1.00	73	SVGZInputFormat.java	org.jhotdraw.samples.svg.io
13	1.00	49	SVGZOutputFormat.java	org.jhotdraw.samples.svg.io
13	0.84	126	ExtensionFileFilter.java	org.jhotdraw.gui.filechooser
13	0.83	206	OutputFormat.java	org.jhotdraw.draw.io
4	0.86	188	SerializationStorageFormat.java	org.jhotdraw.util
4	0.83	515	StorageFormatManager.java	org.jhotdraw.util
4	0.79	146	StorageFormat.java	org.jhotdraw.util
4	0.79	526	StandardStorageFormat.java	org.jhotdraw.util
5	0.82	130	ExtensionFileFilter.java	org.jhotdraw.io
5	0.14	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.12	139	SVGDrawing.java	org.jhotdraw.samples.svg
5	0.12	600	DrawProject.java	org.jhotdraw.samples.draw

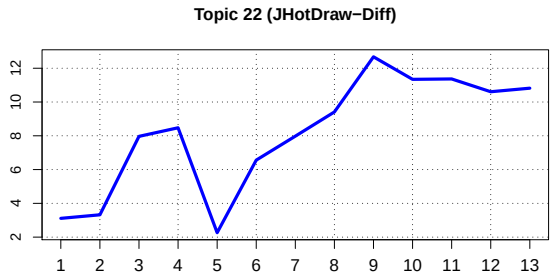
"storag format", {*format file draw input output filter extens storag stream imag descript*}

Best matching topic evolution (Topic distance = 4.912, Evolution distance = 0.1975):



V	θ	Size	File	Package
13	0.69	585	AbstractAttributedFigure.java	org.jhotdraw.draw
13	0.65	615	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
13	0.62	130	PickAttributesAction.java	org.jhotdraw.draw.action
13	0.59	370	AttributeAction.java	org.jhotdraw.draw.action
6	0.85	156	AttributeKey.java	org.jhotdraw.draw
6	0.70	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.69	644	AbstractAttributedFigure.java	org.jhotdraw.draw
6	0.50	217	AttributeAction.java	org.jhotdraw.draw.action
2	0.31	333	AttributeFigure.java	CH.ifa.draw.figures
2	0.22	294	ChangeAttributeCommand.java	CH.ifa.draw.standard
2	0.22	296	FigureAttributes.java	CH.ifa.draw.figures
2	0.18	189	ColorMap.java	CH.ifa.draw.util

"attribut kei", {*attribut kei set figur object map entri draw hash restor put*}



V	θ	Size	File	Package
9	0.80	414	`Images.java`	`org.jhotdraw.gui.plaf.palette`
9	0.73	304	`Images.java`	`org.jhotdraw.util`
9	0.71	350	`DrawingPageable.java`	`org.jhotdraw.draw`
9	0.56	108	`ImageHolderFigure.java`	`org.jhotdraw.draw`
7	0.71	350	`DrawingPageable.java`	`org.jhotdraw.draw`
7	0.55	682	`ImageOutputFormat.java`	`org.jhotdraw.draw`
7	0.47	62	`ImageHolderFigure.java`	`org.jhotdraw.draw`
7	0.42	19	`Options.java`	`org.jhotdraw.draw`
5	0.42	19	`Options.java`	`org.jhotdraw.draw`
5	0.36	654	`ImageBevelBorder.java`	`org.jhotdraw.quaqua`
5	0.27	116	`ZoomEditorAction.java`	`org.jhotdraw.draw.action`
5	0.26	89	`ZoomAction.java`	`org.jhotdraw.draw.action`

"buffer imag", {*imag draw scale buffer width height render graphic set hint zoom*}

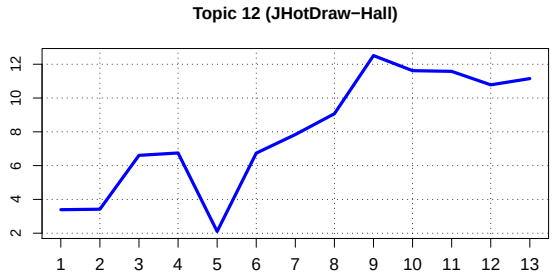
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
12	0.3923	0.0471
42	2.7298	0.6693
36	2.9440	1.4133

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
12	0.3923	0.0471
33	3.2959	0.1431
15	4.0852	0.2146

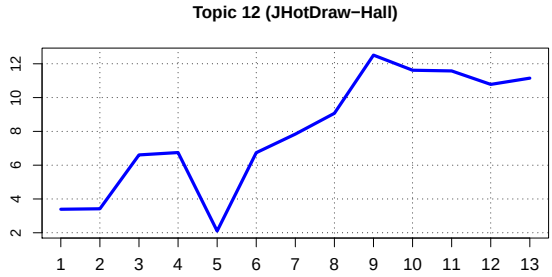
Best matching topic (Topic distance = 0.392, Evolution distance = 0.0471):



V	θ	Size	File	Package
9	0.93	304	`Images.java`	`org.jhotdraw.util`
9	0.92	414	`Images.java`	`org.jhotdraw.gui.plaf.palette`
9	0.91	350	`DrawingPageable.java`	`org.jhotdraw.draw`
9	0.64	108	`ImageHolderFigure.java`	`org.jhotdraw.draw`
4	0.67	129	`DoubleBufferImage.java`	`org.jhotdraw.contrib.zoom`
4	0.67	221	`FastBufferedUpdateStrategy.java`	`org.jhotdraw.standard`
4	0.58	102	`ZoomUpdateStrategy.java`	`org.jhotdraw.contrib.zoom`
4	0.50	925	`ScalingGraphics.java`	`org.jhotdraw.contrib.zoom`
5	0.47	654	`ImageBevelBorder.java`	`org.jhotdraw.quaqua`
5	0.30	67	`StrokeIcon.java`	`org.jhotdraw.draw.action`
5	0.29	120	`ColorIcon.java`	`org.jhotdraw.draw.action`
5	0.28	112	`ColorAttributeIcon.java`	`org.jhotdraw.draw.action`

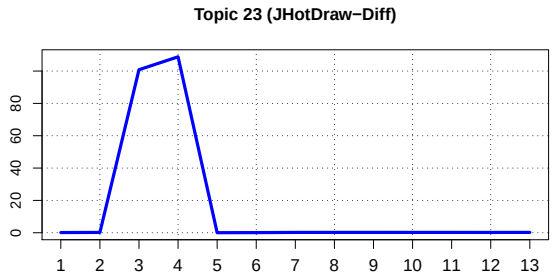
"buffer imag", {*imag buffer draw render width height hint set data scale paint*}

Best matching topic evolution (Topic distance = 0.392, Evolution distance = 0.0471):



V	θ	Size	File	Package
9	0.93	304	`Images.java`	`org.jhotdraw.util`
9	0.92	414	`Images.java`	`org.jhotdraw.gui.plaf.palette`
9	0.91	350	`DrawingPageable.java`	`org.jhotdraw.draw`
9	0.64	108	`ImageHolderFigure.java`	`org.jhotdraw.draw`
4	0.67	129	`DoubleBufferImage.java`	`org.jhotdraw.contrib.zoom`
4	0.67	221	`FastBufferedUpdateStrategy.java`	`org.jhotdraw.standard`
4	0.58	102	`ZoomUpdateStrategy.java`	`org.jhotdraw.contrib.zoom`
4	0.50	925	`ScalingGraphics.java`	`org.jhotdraw.contrib.zoom`
5	0.47	654	`ImageBevelBorder.java`	`org.jhotdraw.quaqua`
5	0.30	67	`StrokeIcon.java`	`org.jhotdraw.draw.action`
5	0.29	120	`ColorIcon.java`	`org.jhotdraw.draw.action`
5	0.28	112	`ColorAttributeIcon.java`	`org.jhotdraw.draw.action`

"buffer imag", {*imag buffer draw render width height hint set data scale paint*}



V	θ	Size	File	Package
4	0.95	260	NothingAppTest.java	org.jhotdraw.test.samples.nothing
4	0.93	233	NothingAppletTest.java	org.jhotdraw.test.samples.nothing
4	0.93	280	HelperTest.java	org.jhotdraw.test.contrib
4	0.91	269	PeripheralLocatorTest.java	org.jhotdraw.test.standard
7	0.04	50	FigureAdapter.java	org.jhotdraw.draw
7	0.04	56	Shapes.java	org.jhotdraw.geom
7	0.03	1496	BezierPathTest.java	org.jhotdraw.geom
7	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

"method test", {*junit doclet method test end begin javadoc testcas instanc except vault*}

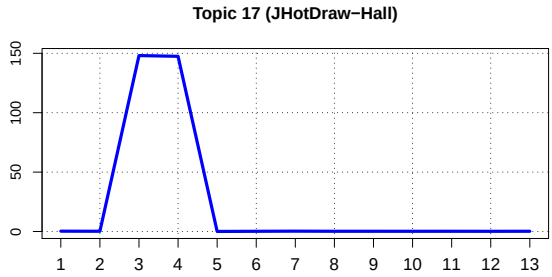
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
17	0.1951	0.0796
1	2.9821	37.0911
16	3.4535	8.6723

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
17	0.1951	0.0796
16	3.4535	8.6723
22	3.8285	17.4898

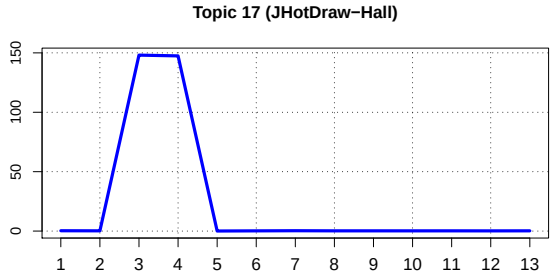
Best matching topic (Topic distance = 0.195, Evolution distance = 0.0796):



V	θ	Size	File	Package
3	1.00	314	SimpleUpdateStrategyTest.java	CH.ifa.draw.test.standard
3	0.95	422	BouncingDrawingTest.java	CH.ifa.draw.test.samples.javadra
3	0.95	274	NothingAppTest.java	CH.ifa.draw.test.samples.nothing
3	0.95	318	StandardVersionControlStrategyTest.java	CH.ifa.draw.test.util
11	0.15	1497	BezierPathTest.java	org.jhotdraw.geom
11	0.03	101	ClipboardUtil.java	org.jhotdraw.gui.datatransfer
11	NA	NA	NA	NA
11	NA	NA	NA	NA
5	0.02	46	ListFigure.java	org.jhotdraw.draw
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

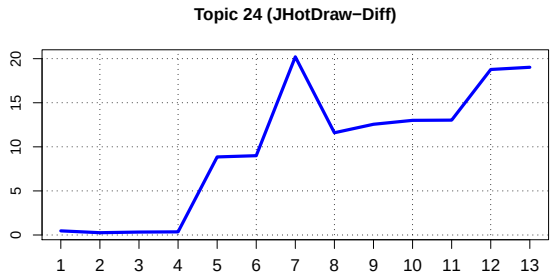
"junit doclet begin", {*test junit method doclet begin end javadoc except testcas instanc draw*}

Best matching topic evolution (Topic distance = 0.195, Evolution distance = 0.0796):



V	θ	Size	File	Package
3	1.00	314	SimpleUpdateStrategyTest.java	CH.ifa.draw.test.standard
3	0.95	422	BouncingDrawingTest.java	CH.ifa.draw.test.samples.javadra
3	0.95	274	NothingAppTest.java	CH.ifa.draw.test.samples.nothing
3	0.95	318	StandardVersionControlStrategyTest.java	CH.ifa.draw.test.util
11	0.15	1497	BezierPathTest.java	org.jhotdraw.geom
11	0.03	101	ClipboardUtil.java	org.jhotdraw.gui.datatransfer
11	NA	NA	NA	NA
11	NA	NA	NA	NA
5	0.02	46	ListFigure.java	org.jhotdraw.draw
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

"junit doclet begin", {*test junit method doclet begin end javadoc except testcas instanc draw*}



V	θ	Size	File	Package
7	0.92	1290	DefaultOSXApplication.java	org.jhotdraw.app
7	0.92	750	AbstractSDIApplication.java	org.jhotdraw.application
7	0.91	1188	AbstractOSXApplication.java	org.jhotdraw.application
7	0.89	987	DefaultSDIApplication.java	org.jhotdraw.app
6	0.93	1357	DefaultOSXApplication.java	org.jhotdraw.app
6	0.91	1046	DefaultSDIApplication.java	org.jhotdraw.app
6	0.78	1199	DefaultMDIApplication.java	org.jhotdraw.app
6	0.65	236	OSXPaletteHandler.java	org.jhotdraw.app
2	0.19	2632	DrawApplication.java	CH.ifa.draw.application
2	0.06	514	JavaDrawApp.java	CH.ifa.draw.samples.javadraw
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"window menu", {*action menu window add view set jmenu file recent open bar*}

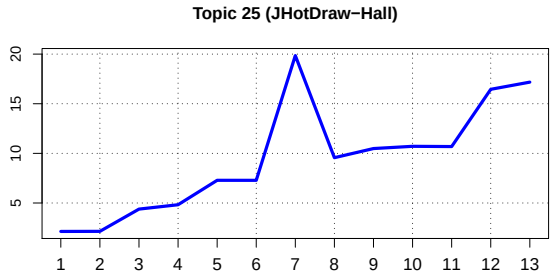
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
25	0.0686	0.4167
44	1.2617	0.1771
7	2.0220	0.2630

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
44	1.2617	0.1771
7	2.0220	0.2630
45	2.6022	0.3210

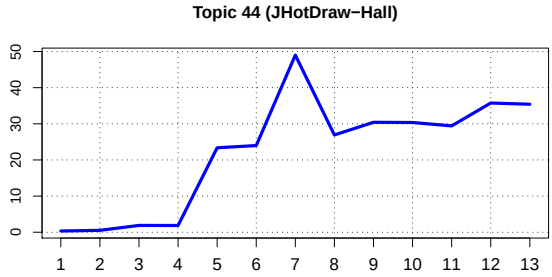
Best matching topic (Topic distance = 0.069, Evolution distance = 0.4167):



V	θ	Size	File	Package
7	1.00	1290	DefaultOSXApplication.java	org.jhotdraw.app
7	1.00	987	DefaultSDIApplication.java	org.jhotdraw.app
7	0.99	1188	AbstractOSXApplication.java	org.jhotdraw.application
7	0.99	750	AbstractSDIApplication.java	org.jhotdraw.application
5	1.00	1378	DefaultOSXApplication.java	org.jhotdraw.app
5	1.00	1107	DefaultSDIApplication.java	org.jhotdraw.app
5	0.92	131	OSXTogglePaletteAction.java	org.jhotdraw.app.action
5	0.89	236	OSXPaletteHandler.java	org.jhotdraw.app
1	0.49	166	CommandMenu.java	CH.ifa.draw.util
1	0.37	2060	DrawApplication.java	CH.ifa.draw.application
1	0.32	462	JavaDrawApp.java	CH.ifa.draw.samples.javadraw
1	0.31	70	CommandChoice.java	CH.ifa.draw.util

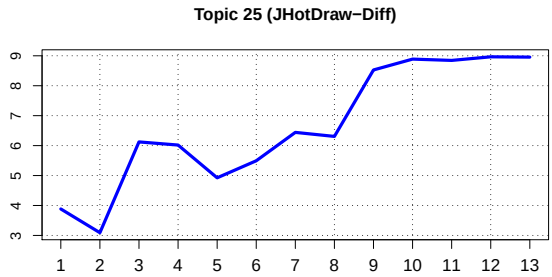
"menu item", {*action menu add window view item set jmenu applic palett bar*}

Best matching topic evolution (Topic distance = 1.262, Evolution distance = 0.1771):



V	θ	Size	File	Package
7	1.00	162	LoadAction.java	org.jhotdraw.app.action
7	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
7	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
7	1.00	86	NewAction.java	org.jhotdraw.app.action
6	1.00	162	LoadAction.java	org.jhotdraw.app.action
6	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
6	1.00	74	MaximizeAction.java	org.jhotdraw.app.action
6	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
1	0.10	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.07	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.06	133	PertApplication.java	CH.ifa.draw.samples.pert
1	0.04	47	AbstractLocator.java	CH.ifa.draw.standard

"recent file", {*view file applic app action project set chooser open util save*}



V	θ	Size	File	Package
12	0.68	416	TextAreaEditingTool.java	org.jhotdraw.draw.tool
12	0.61	436	FloatingTextArea.java	org.jhotdraw.draw.text
12	0.59	397	TextEditingTool.java	org.jhotdraw.draw.tool
12	0.52	659	TextAreaCreationTool.java	org.jhotdraw.draw.tool
3	0.62	104	TextHolder.java	CH.ifa.draw.standard
3	0.57	187	FloatingTextField.java	CH.ifa.draw.util
3	0.51	966	TextAreaTool.java	CH.ifa.draw.contrib
3	0.51	724	TextTool.java	CH.ifa.draw.figures
2	0.62	73	TextHolder.java	CH.ifa.draw.standard
2	0.58	184	FloatingTextField.java	CH.ifa.draw.util
2	0.52	627	TextTool.java	CH.ifa.draw.figures
2	0.41	222	URLTool.java	CH.ifa.draw.samples.javadraw

"text area", {*text figur holder area edit set field type creat overlai target*}

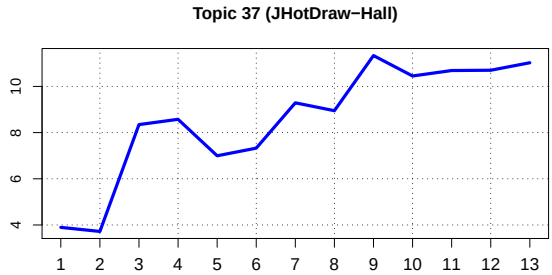
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
37	0.9793	0.0559
26	2.4008	2.6384
38	2.6790	0.5442

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
18	3.4673	0.0478
37	0.9793	0.0559
15	4.4480	0.0638

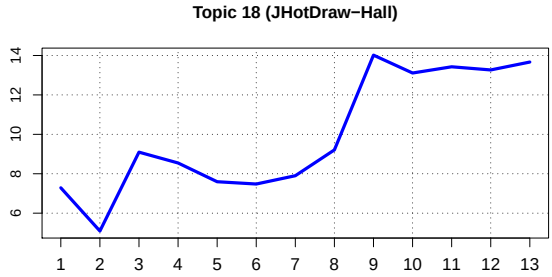
Best matching topic (Topic distance = 0.979, Evolution distance = 0.0559):



V	θ	Size	File	Package
9	0.82	161	TextHolderFigure.java	org.jhotdraw.draw
9	0.74	19	Options.java	org.jhotdraw.draw
9	0.66	1213	TextAreaFigure.java	org.jhotdraw.draw
9	0.60	368	FloatingTextArea.java	org.jhotdraw.draw
4	0.54	100	TextHolder.java	org.jhotdraw.standard
4	0.51	1970	TextAreaFigure.java	org.jhotdraw.contrib
4	0.51	712	TextTool.java	org.jhotdraw.figures
4	0.50	183	FloatingTextField.java	org.jhotdraw.util
2	0.52	73	TextHolder.java	CH.ifa.draw.standard
2	0.50	627	TextTool.java	CH.ifa.draw.figures
2	0.46	184	FloatingTextField.java	CH.ifa.draw.util
2	0.40	324	FontSizeHandle.java	CH.ifa.draw.figures

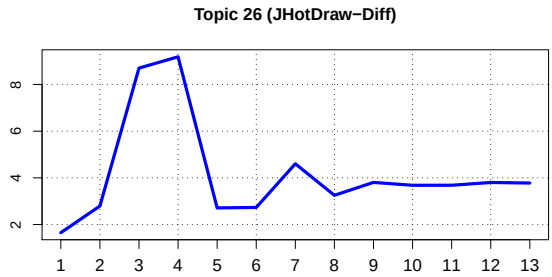
"text holder", {*text font figur holder edit area size tab set bound field*}

Best matching topic evolution (Topic distance = 3.467, Evolution distance = 0.0478):



V	θ	Size	File	Package
9	1.00	13	DragTracker.java	org.jhotdraw.draw
9	1.00	11	SelectAreaTracker.java	org.jhotdraw.draw
9	0.95	19	HandleTracker.java	org.jhotdraw.draw
9	0.94	503	DefaultHandleTracker.java	org.jhotdraw.draw
4	0.59	328	SelectionTool.java	org.jhotdraw.standard
4	0.57	132	ZoomTool.java	org.jhotdraw.contrib.zoom
4	0.55	89	HandleTracker.java	org.jhotdraw.standard
4	0.54	366	DragTracker.java	org.jhotdraw.standard
2	0.66	90	HandleTracker.java	CH.ifa.draw.standard
2	0.57	287	SelectionTool.java	CH.ifa.draw.standard
2	0.56	52	PopupMenuFigureSelection.java	CH.ifa.draw.contrib
2	0.50	143	SelectAreaTracker.java	CH.ifa.draw.standard

"mous motion", {*handl select figur mous view draw event evt tool area tracker*}



V	θ	Size	File	Package
4	0.70	1519	MDIDesktopPane.java	org.jhotdraw.contrib
4	0.69	271	JPanelDesktop.java	org.jhotdraw.contrib
4	0.65	200	JScrollPaneDesktop.java	org.jhotdraw.contrib
4	0.65	40	MiniMapApplication.java	org.jhotdraw.samples.minimap
10	0.72	739	MDIDesktopPane.java	org.jhotdraw.gui
10	0.44	88	ArrangeAction.java	org.jhotdraw.app.action
10	0.38	31	Arrangeable.java	org.jhotdraw.gui
10	0.28	265	FocusAction.java	org.jhotdraw.app.action
1	0.60	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.57	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.42	387	MDI_InternalFrame.java	CH.ifa.draw.contrib
1	0.03	434	CustomSelectionTool.java	CH.ifa.draw.contrib

"scroll pane", {*frame desktop pane set compon applic titl event intern scroll arrang*}

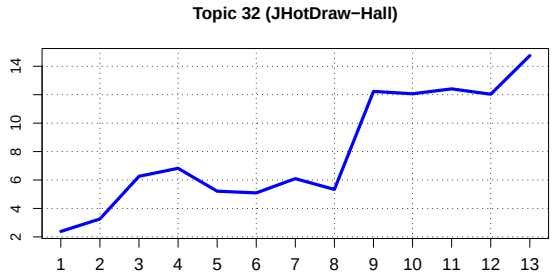
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
32	1.6587	3.6456
29	2.5769	7.6838
30	2.7810	1.6673

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
26	4.1132	1.0043
20	4.5158	1.3036
1	3.7789	1.5594

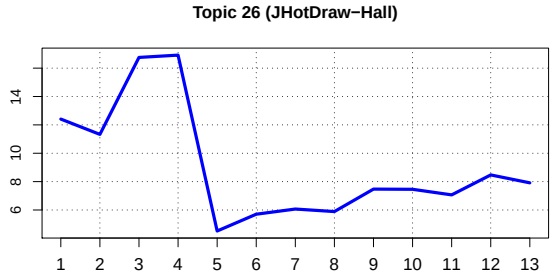
Best matching topic (Topic distance = 1.659, Evolution distance = 3.6456):



V	θ	Size	File	Package
13	1.00	111	BackdropBorder.java	org.jhotdraw.gui.plaf.palette
13	1.00	12	PaletteBorders.java	org.jhotdraw.gui.plaf.palette
13	1.00	384	ToolBarPrefsHandler.java	org.jhotdraw.util.prefs
13	0.85	104	PaletteButtonUI.java	org.jhotdraw.gui.plaf.palette
7	0.99	383	ToolBarPrefsHandler.java	org.jhotdraw.util.prefs
7	0.81	737	MDIDesktopPane.java	org.jhotdraw.gui
7	0.62	81	PlacardScrollPaneLayout.java	org.jhotdraw.gui
7	0.54	84	ArrangeAction.java	org.jhotdraw.app.action
1	0.45	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.41	387	MDI_InternalFrame.java	CH.ifa.draw.contrib
1	0.35	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.29	171	BorderDecorator.java	CH.ifa.draw.figures

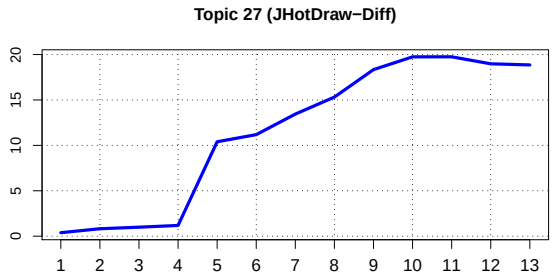
"intern frame", {*border frame bar pane desktop set compon window pref arrang tool*}

Best matching topic evolution (Topic distance = 4.113, Evolution distance = 1.0043):



V	θ	Size	File	Package
4	0.97	144	NothingApplet.java	org.jhotdraw.samples.nothing
4	0.80	337	JavaDrawApplet.java	org.jhotdraw.samples.javadraw
4	0.80	88	PertApplet.java	org.jhotdraw.samples.pert
4	0.72	183	NothingApp.java	org.jhotdraw.samples.nothing
10	0.66	735	CreationTool.java	org.jhotdraw.draw
10	0.60	847	BezierTool.java	org.jhotdraw.draw
10	0.58	178	PathTool.java	org.jhotdraw.samples.svg
10	0.57	173	PathTool.java	org.jhotdraw.samples.odg
5	0.64	579	BezierTool.java	org.jhotdraw.draw
5	0.59	392	CreationTool.java	org.jhotdraw.draw
5	0.50	125	PathTool.java	org.jhotdraw.samples.svg
5	0.42	52	ToolListener.java	org.jhotdraw.draw

"creation tool", {*tool figur creat mous draw creation view prototyp event editor add*}



V	θ	Size	File	Package
11	0.97	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.76	1692	BezierPath.java	org.jhotdraw.geom
11	0.73	332	CurvedLiner.java	org.jhotdraw.draw
11	0.72	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.81	1159	Bezier.java	org.jhotdraw.geom
6	0.74	1434	BezierPath.java	org.jhotdraw.geom
6	0.72	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.71	177	GrowStroke.java	org.jhotdraw.geom
1	0.13	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.12	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.04	233	ConnectionFigure.java	CH.ifa.draw.framework
1	0.03	95	NetApp.java	CH.ifa.draw.samples.net

"path path", {*path node bezier index pointd point mask geom coord gener curv*}

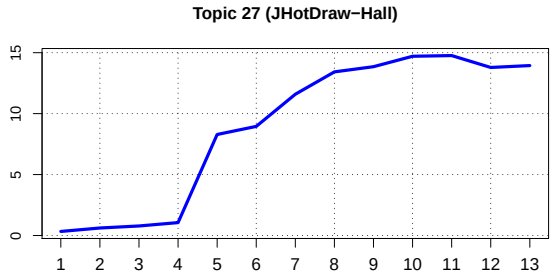
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
27	0.2510	0.0453
34	2.4294	0.9555
20	2.5911	3.5181

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
27	0.2510	0.0453
43	4.8651	0.0823
36	3.1845	0.1162

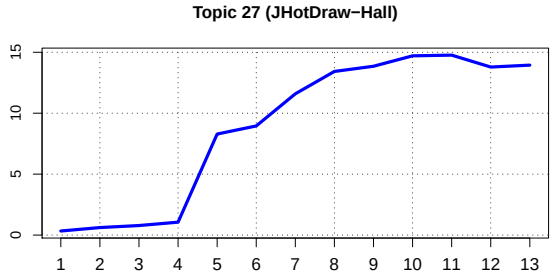
Best matching topic (Topic distance = 0.251, Evolution distance = 0.0453):



V	θ	Size	File	Package
11	1.00	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.95	56	Shapes.java	org.jhotdraw.geom
11	0.86	1692	BezierPath.java	org.jhotdraw.geom
11	0.85	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.85	1434	BezierPath.java	org.jhotdraw.geom
6	0.83	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.66	177	GrowStroke.java	org.jhotdraw.geom
6	0.59	1579	BezierFigure.java	org.jhotdraw.draw
1	0.14	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.11	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.03	550	PolygonFigure.java	CH.ifa.draw.contrib
1	0.03	462	JavaDrawApp.java	CH.ifa.draw.samples.javadraw

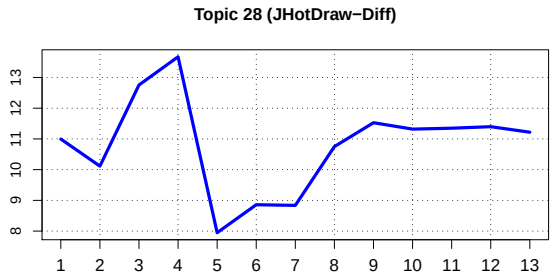
"bezier path", {*path bezier node index coord mask point geom current size segment*}

Best matching topic evolution (Topic distance = 0.251, Evolution distance = 0.0453):



V	θ	Size	File	Package
11	1.00	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.95	56	Shapes.java	org.jhotdraw.geom
11	0.86	1692	BezierPath.java	org.jhotdraw.geom
11	0.85	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.85	1434	BezierPath.java	org.jhotdraw.geom
6	0.83	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.66	177	GrowStroke.java	org.jhotdraw.geom
6	0.59	1579	BezierFigure.java	org.jhotdraw.draw
1	0.14	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.11	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.03	550	PolygonFigure.java	CH.ifa.draw.contrib
1	0.03	462	JavaDrawApp.java	CH.ifa.draw.samples.javadraw

"bezier path", {*path bezier node index coord mask point geom current size segment*}



V	θ	Size	File	Package
4	0.79	254	ArrowTip.java	org.jhotdraw.figures
4	0.72	431	Geom.java	org.jhotdraw.util
4	0.70	741	PolygonFigure.java	org.jhotdraw.contrib
4	0.64	106	PolyLineConnector.java	org.jhotdraw.figures
1	0.86	207	Geom.java	CH.ifa.draw.util
1	0.83	242	ArrowTip.java	CH.ifa.draw.figures
1	0.75	550	PolygonFigure.java	CH.ifa.draw.contrib
1	0.62	103	PolyLineConnector.java	CH.ifa.draw.figures
5	0.61	194	ArrowTip.java	org.jhotdraw.draw
5	0.54	61	LineDecoration.java	org.jhotdraw.draw
5	0.50	827	Geom.java	org.jhotdraw.geom
5	0.40	182	ChopDiamondConnector.java	org.jhotdraw.draw

"poli line", {*point line polygon decor angl poli geom radiu corner center chop*}

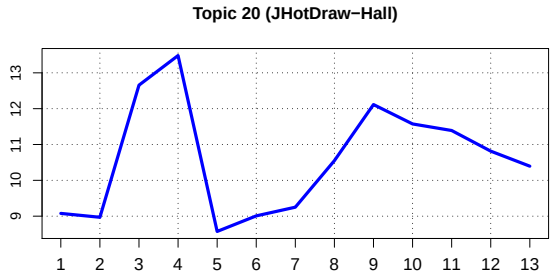
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
20	0.6225	0.0333
22	2.8822	11.1464
36	2.9387	3.4413

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
20	0.6225	0.0333
31	3.1897	0.3011
30	4.4083	0.3179

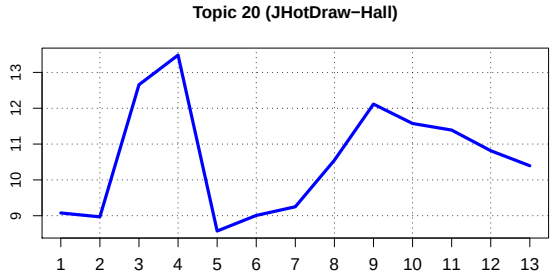
Best matching topic (Topic distance = 0.622, Evolution distance = 0.0333):



V	θ	Size	File	Package
4	0.92	431	Geom.java	org.jhotdraw.util
4	0.68	254	ArrowTip.java	org.jhotdraw.figures
4	0.66	119	ChopDiamondConnector.java	org.jhotdraw.contrib
4	0.60	106	PolyLineConnector.java	org.jhotdraw.figures
13	0.82	827	Geom.java	org.jhotdraw.geom
13	0.71	187	ChopDiamondConnector.java	org.jhotdraw.draw.connector
13	0.57	555	DoubleStroke.java	org.jhotdraw.geom
13	0.56	511	BezierLabelLocator.java	org.jhotdraw.draw.locator
5	0.82	827	Geom.java	org.jhotdraw.geom
5	0.75	182	ChopDiamondConnector.java	org.jhotdraw.draw
5	0.63	508	BezierLabelLocator.java	org.jhotdraw.draw
5	0.58	194	ArrowTip.java	org.jhotdraw.draw

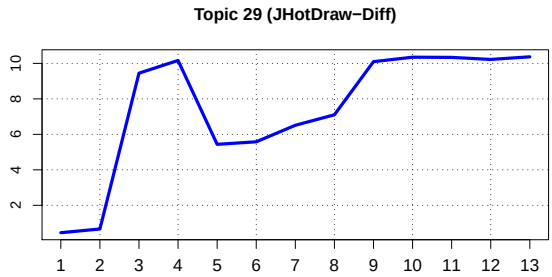
"poli line", {*point line angl width rectangl pointd height corner math polygon radiu*}

Best matching topic evolution (Topic distance = 0.622, Evolution distance = 0.0333):



V	θ	Size	File	Package
4	0.92	431	Geom.java	org.jhotdraw.util
4	0.68	254	ArrowTip.java	org.jhotdraw.figures
4	0.66	119	ChopDiamondConnector.java	org.jhotdraw.contrib
4	0.60	106	PolyLineConnector.java	org.jhotdraw.figures
13	0.82	827	Geom.java	org.jhotdraw.geom
13	0.71	187	ChopDiamondConnector.java	org.jhotdraw.draw.connector
13	0.57	555	DoubleStroke.java	org.jhotdraw.geom
13	0.56	511	BezierLabelLocator.java	org.jhotdraw.draw.locator
5	0.82	827	Geom.java	org.jhotdraw.geom
5	0.75	182	ChopDiamondConnector.java	org.jhotdraw.draw
5	0.63	508	BezierLabelLocator.java	org.jhotdraw.draw
5	0.58	194	ArrowTip.java	org.jhotdraw.draw

"poli line", {*point line angl width rectangl pointd height corner math polygon radiu*}



V	θ	Size	File	Package
13	0.50	34	ReversedList.java	org.jhotdraw.util
13	0.46	323	FontCollectionNode.java	org.jhotdraw.gui.fontchooser
13	0.36	313	FontFamilyNode.java	org.jhotdraw.gui.fontchooser
13	0.32	19	DefaultODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.53	32	ReversedList.java	org.jhotdraw.util
8	0.29	14	ODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.27	512	QuadTreeDrawing.java	org.jhotdraw.draw
8	0.26	521	QuadTreeCompositeFigure.java	org.jhotdraw.draw
1	0.14	63	PolyLineLocator.java	CH.ifa.draw.figures
1	0.09	235	SelectionTool.java	CH.ifa.draw.standard
1	0.07	70	CommandChoice.java	CH.ifa.draw.util
1	0.06	352	StorageFormatManager.java	CH.ifa.draw.util

"collect factori", {*list collect iter util child factori creat add index remov jdk*}

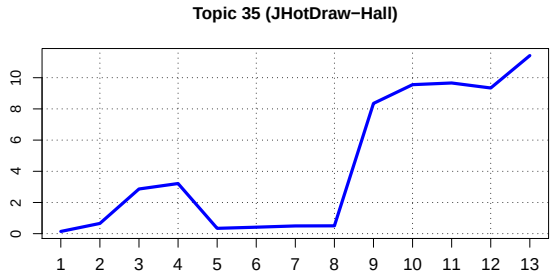
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
35	2.9955	3.8816
19	3.1562	0.9289
4	3.2965	2.3936

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
1	4.0258	0.1563
9	4.2577	0.2503
42	3.5203	0.3139

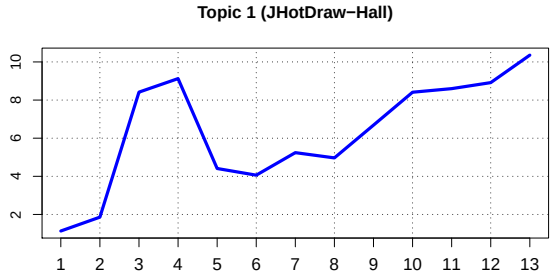
Best matching topic (Topic distance = 2.996, Evolution distance = 3.8816):



V	θ	Size	File	Package
13	1.00	323	FontCollectionNode.java	org.jhotdraw.gui.fontchooser
13	1.00	313	FontFamilyNode.java	org.jhotdraw.gui.fontchooser
13	1.00	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.91	689	DefaultFontChooserModel.java	org.jhotdraw.gui.fontchooser
2	0.52	501	QuadTree.java	CH.ifa.draw.standard
2	0.05	210	CustomToolBar.java	CH.ifa.draw.contrib
2	0.03	1395	DrawApplet.java	CH.ifa.draw.applet
2	0.02	289	NodeFigure.java	CH.ifa.draw.samples.net
1	0.05	188	CustomToolBar.java	CH.ifa.draw.contrib
1	0.03	1189	DrawApplet.java	CH.ifa.draw.applet
1	0.03	260	NodeFigure.java	CH.ifa.draw.samples.net
1	0.02	2060	DrawApplication.java	CH.ifa.draw.application

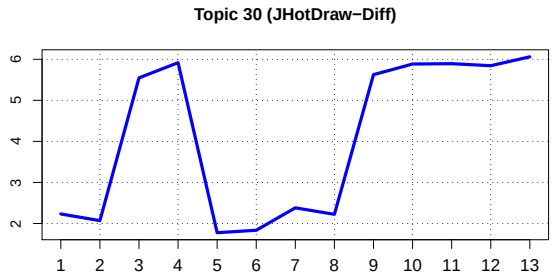
"tree model", {*font list node famili collect select tree path model chooser face*}

Best matching topic evolution (Topic distance = 4.026, Evolution distance = 0.1563):



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.80	517	GenericListener.java	org.jhotdraw.gui.event
13	0.79	14	Disposable.java	org.jhotdraw.app
13	0.59	182	XMLParserFactory.java	net.n3.nanoxml
7	1.00	902	Methods.java	org.jhotdraw.util
7	0.80	510	GenericListener.java	org.jhotdraw.draw.action
7	0.57	182	XMLParserFactory.java	net.n3.nanoxml
7	0.38	648	ResourceBundleUtil.java	org.jhotdraw.util
1	0.29	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.26	54	Animator.java	CH.ifa.draw.samples.javadraw
1	0.15	47	AbstractLocator.java	CH.ifa.draw.standard
1	0.07	177	StorableInput.java	CH.ifa.draw.util

"method invok", {*method except object invok resourc param target obj error code dispos*}



V	θ	Size	File	Package
13	0.49	294	FontFormatter.java	org.jhotdraw.text
13	0.42	689	DefaultFontChooserModel.java	org.jhotdraw.gui.fontchooser
13	0.30	315	PaletteUtilities.java	org.jhotdraw.gui.plaf.palette
13	0.30	242	FontFaceNode.java	org.jhotdraw.gui.fontchooser
7	0.26	1047	TextAreaFigure.java	org.jhotdraw.draw
7	0.24	147	TextHolderFigure.java	org.jhotdraw.draw
7	0.23	113	NumberedParagraphView.java	org.jhotdraw.samples.teddy.text
7	0.19	1197	SVGTextAreaFigure.java	org.jhotdraw.samples.svg.figures
5	0.40	53	TextHolder.java	org.jhotdraw.draw
5	0.26	861	TextAreaFigure.java	org.jhotdraw.draw
5	0.18	60	FontSizeLocator.java	org.jhotdraw.draw
5	0.18	418	TextFigure.java	org.jhotdraw.draw

"attribut constant", {*font attribut constant size color set dirti object text famili style*}

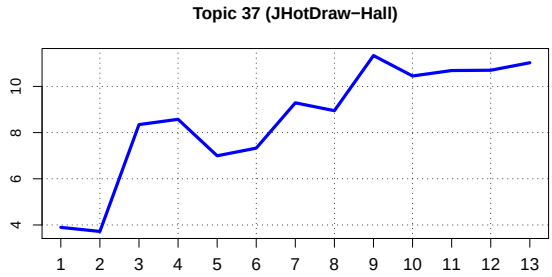
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
37	2.1597	0.7832
28	2.7554	4.1028
13	2.9389	2.4118

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
1	3.6876	0.3250
15	6.1545	0.5207
18	4.2784	0.5961

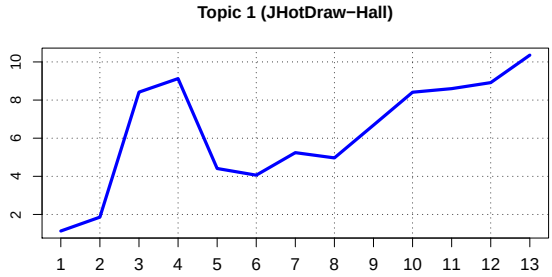
Best matching topic (Topic distance = 2.160, Evolution distance = 0.7832):



V	θ	Size	File	Package
9	0.82	161	TextHolderFigure.java	org.jhotdraw.draw
9	0.74	19	Options.java	org.jhotdraw.draw
9	0.66	1213	TextAreaFigure.java	org.jhotdraw.draw
9	0.60	368	FloatingTextArea.java	org.jhotdraw.draw
4	0.54	100	TextHolder.java	org.jhotdraw.standard
4	0.51	1970	TextAreaFigure.java	org.jhotdraw.contrib
4	0.51	712	TextTool.java	org.jhotdraw.figures
4	0.50	183	FloatingTextField.java	org.jhotdraw.util
2	0.52	73	TextHolder.java	CH.ifa.draw.standard
2	0.50	627	TextTool.java	CH.ifa.draw.figures
2	0.46	184	FloatingTextField.java	CH.ifa.draw.util
2	0.40	324	FontSizeHandle.java	CH.ifa.draw.figures

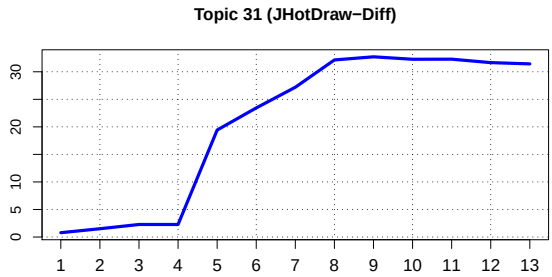
"text holder", {*text font figur holder edit area size tab set bound field*}

Best matching topic evolution (Topic distance = 3.688, Evolution distance = 0.3250):



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.80	517	GenericListener.java	org.jhotdraw.gui.event
13	0.79	14	Disposable.java	org.jhotdraw.app
13	0.59	182	XMLParserFactory.java	net.n3.nanoxml
7	1.00	902	Methods.java	org.jhotdraw.util
7	0.80	510	GenericListener.java	org.jhotdraw.draw.action
7	0.57	182	XMLParserFactory.java	net.n3.nanoxml
7	0.38	648	ResourceBundleUtil.java	org.jhotdraw.util
1	0.29	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.26	54	Animator.java	CH.ifa.draw.samples.javadraw
1	0.15	47	AbstractLocator.java	CH.ifa.draw.standard
1	0.07	177	StorableInput.java	CH.ifa.draw.util

"method invok", {*method except object invok resourc param target obj error code dispos*}



V	θ	Size	File	Package
9	0.84	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
9	0.83	231	RectangleFigure.java	org.jhotdraw.draw
9	0.80	549	ODGRectFigure.java	org.jhotdraw.samples.odg.figures
9	0.77	498	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.80	243	RectangleFigure.java	org.jhotdraw.draw
6	0.78	398	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.76	275	EllipseFigure.java	org.jhotdraw.draw
6	0.74	495	SVGRectFigure.java	org.jhotdraw.samples.svg.figures
1	0.26	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.25	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.10	50	GroupHandle.java	CH.ifa.draw.figures
1	0.09	201	URLTool.java	CH.ifa.draw.samples.javadraw

"pointd pointd", {*bound transform pointd rectangl width height set draw math kei geom*}

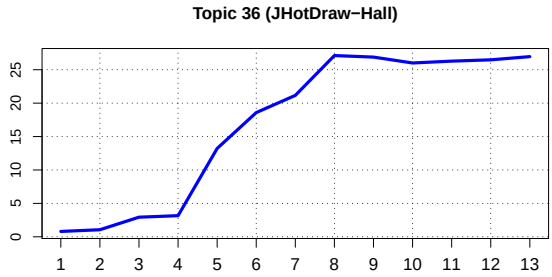
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
36	0.6785	0.0294
21	2.0368	0.5541
13	2.8012	0.1432

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
27	4.1200	0.0235
36	0.6785	0.0294
11	4.8649	0.0841

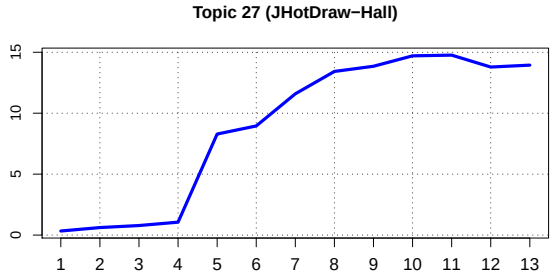
Best matching topic (Topic distance = 0.679, Evolution distance = 0.0294):



V	θ	Size	File	Package
8	1.00	34	Gradient.java	org.jhotdraw.samples.odg
8	1.00	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
8	1.00	34	Gradient.java	org.jhotdraw.samples.svg
8	1.00	463	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	1.00	243	RectangleFigure.java	org.jhotdraw.draw
6	1.00	16	Gradient.java	org.jhotdraw.samples.svg
6	0.99	275	EllipseFigure.java	org.jhotdraw.draw
6	0.93	373	RoundRectangleFigure.java	org.jhotdraw.draw
1	0.45	232	RoundRectangleFigure.java	CH.ifa.draw.figures
1	0.18	158	EllipseFigure.java	CH.ifa.draw.figures
1	0.09	64	ChopEllipseConnector.java	CH.ifa.draw.figures
1	0.08	111	RadiusHandle.java	CH.ifa.draw.figures

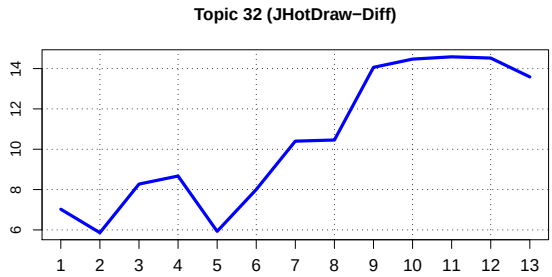
"affin transform", {*transform rectangl figur width draw stroke handl clone bound grow shape*}

Best matching topic evolution (Topic distance = 4.120, Evolution distance = 0.0235):



V	θ	Size	File	Package
11	1.00	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.95	56	Shapes.java	org.jhotdraw.geom
11	0.86	1692	BezierPath.java	org.jhotdraw.geom
11	0.85	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.85	1434	BezierPath.java	org.jhotdraw.geom
6	0.83	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.66	177	GrowStroke.java	org.jhotdraw.geom
6	0.59	1579	BezierFigure.java	org.jhotdraw.draw
1	0.14	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.11	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.03	550	PolygonFigure.java	CH.ifa.draw.contrib
1	0.03	462	JavaDrawApp.java	CH.ifa.draw.samples.javadraw

"bezier path", {*path bezier node index coord mask point geom current size segment*}



V	θ	Size	File	Package
11	0.92	114	QuickAndDirtyDOMStorableSample.java	org.jhotdraw.samples.mini
11	0.88	119	DefaultDOMStorableSample.java	org.jhotdraw.samples.mini
11	0.62	2103	Base64.java	org.jhotdraw.io
11	0.55	30	DOMStorable.java	org.jhotdraw.xml
4	0.86	37	Storable.java	org.jhotdraw.util
4	0.71	219	StorableOutput.java	org.jhotdraw.util
4	0.62	244	StorableInput.java	org.jhotdraw.util
4	0.58	101	OffsetLocator.java	org.jhotdraw.standard
2	0.87	39	Storable.java	CH.ifa.draw.util
2	0.67	209	StorableOutput.java	CH.ifa.draw.util
2	0.61	224	StorableInput.java	CH.ifa.draw.util
2	0.55	107	OffsetLocator.java	CH.ifa.draw.standard

"input stream", {*input read output write stream storabl ioexcept format file object data*}

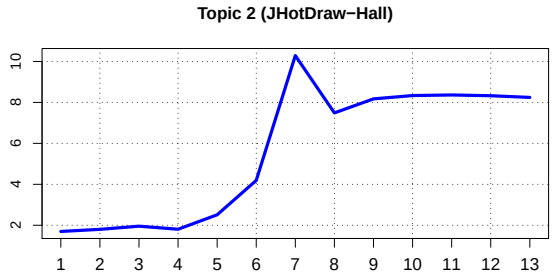
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
2	1.6803	0.9069
33	1.8195	0.1989
42	2.3339	0.6869

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
18	4.4181	0.0744
15	6.0958	0.0855
12	3.6630	0.1587

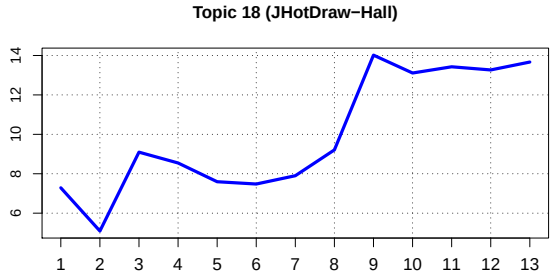
Best matching topic (Topic distance = 1.680, Evolution distance = 0.9069):



V	θ	Size	File	Package
7	1.00	2101	Base64.java	org.jhotdraw.io
7	0.92	549	Matcher.java	org.jhotdraw.samples.teddyapplication.regex
7	0.90	550	Matcher.java	org.jhotdraw.samples.teddy.regex
7	0.77	154	LFWriter.java	org.jhotdraw.samples.teddyapplication.io
6	1.00	2101	Base64.java	org.jhotdraw.io
6	0.55	239	CSSParser.java	org.jhotdraw.xml.css
6	0.48	151	CDATAReader.java	net.n3.nanoxml
6	0.48	227	ContentReader.java	net.n3.nanoxml
1	0.51	177	StorableInput.java	CH.ifa.draw.util
1	0.51	89	OffsetLocator.java	CH.ifa.draw.standard
1	0.32	181	StorableOutput.java	CH.ifa.draw.util
1	0.26	138	FigureSelection.java	CH.ifa.draw.framework

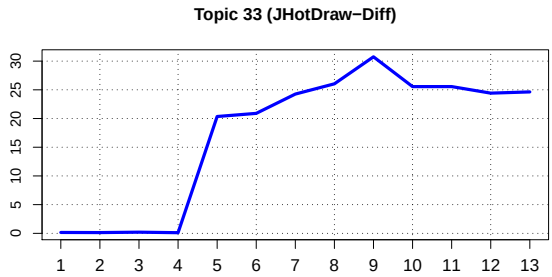
"input stream", {*stream read end encod length offset line charact match index byte*}

Best matching topic evolution (Topic distance = 4.418, Evolution distance = 0.0744):



V	θ	Size	File	Package
9	1.00	13	DragTracker.java	org.jhotdraw.draw
9	1.00	11	SelectAreaTracker.java	org.jhotdraw.draw
9	0.95	19	HandleTracker.java	org.jhotdraw.draw
9	0.94	503	DefaultHandleTracker.java	org.jhotdraw.draw
4	0.59	328	SelectionTool.java	org.jhotdraw.standard
4	0.57	132	ZoomTool.java	org.jhotdraw.contrib.zoom
4	0.55	89	HandleTracker.java	org.jhotdraw.standard
4	0.54	366	DragTracker.java	org.jhotdraw.standard
2	0.66	90	HandleTracker.java	CH.ifa.draw.standard
2	0.57	287	SelectionTool.java	CH.ifa.draw.standard
2	0.56	52	PopupMenuFigureSelection.java	CH.ifa.draw.contrib
2	0.50	143	SelectAreaTracker.java	CH.ifa.draw.standard

"mous motion", {*handl select figur mous view draw event evt tool area tracker*}



V	θ	Size	File	Package
9	0.96	78	GeometryEdit.java	org.jhotdraw.draw
9	0.96	146	SVGRectRadiusUndoableEdit.java	org.jhotdraw.samples.svg.figures
9	0.90	20	NonUndoableEdit.java	org.jhotdraw.undo
9	0.89	110	RestoreDataEdit.java	org.jhotdraw.draw
6	0.95	63	GeometryEdit.java	org.jhotdraw.draw
6	0.92	106	RestoreDataEdit.java	org.jhotdraw.draw
6	0.90	20	NonUndoableEdit.java	org.jhotdraw.undo
6	0.80	241	CompositeEdit.java	org.jhotdraw.undo
4	0.04	211	CustomToolBar.java	org.jhotdraw.contrib
4	NA	NA	NA	NA
4	NA	NA	NA	NA
4	NA	NA	NA	NA

"undoabl edit", {*edit chang undoabl undo figur fire owner label draw util bundl*}

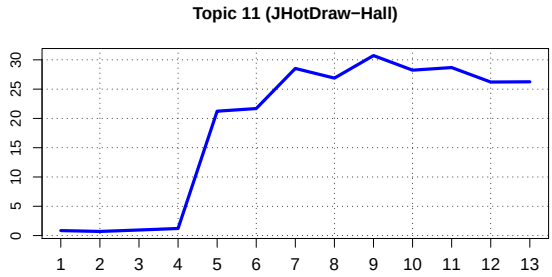
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
11	1.3312	0.0332
38	2.1854	0.5645
13	2.5444	0.3373

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
11	1.3312	0.0332
6	4.1357	0.1362
27	4.4809	0.1711

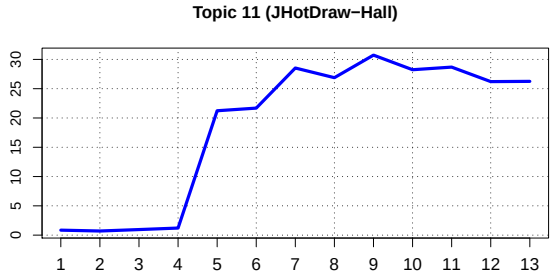
Best matching topic (Topic distance = 1.331, Evolution distance = 0.0332):



V	θ	Size	File	Package
9	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
9	0.97	30	LocaleUtil.java	org.jhotdraw.util
9	0.87	245	CompositeEdit.java	org.jhotdraw.undo
9	0.74	621	UndoRedoManager.java	org.jhotdraw.undo
6	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
6	1.00	30	LocaleUtil.java	org.jhotdraw.util
6	0.88	241	CompositeEdit.java	org.jhotdraw.undo
6	0.72	615	UndoRedoManager.java	org.jhotdraw.undo
2	0.23	71	CommandButton.java	CH.ifa.draw.util
2	0.20	66	ActionTool.java	CH.ifa.draw.standard
2	0.13	184	FloatingTextField.java	CH.ifa.draw.util
2	0.07	210	CustomToolBar.java	CH.ifa.draw.contrib

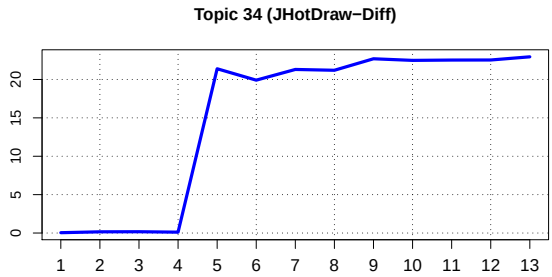
"undoabl edit", {*action edit undo label redo util bundl chang undoabl resourc event*}

Best matching topic evolution (Topic distance = 1.331, Evolution distance = 0.0332):



V	θ	Size	File	Package
9	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
9	0.97	30	LocaleUtil.java	org.jhotdraw.util
9	0.87	245	CompositeEdit.java	org.jhotdraw.undo
9	0.74	621	UndoRedoManager.java	org.jhotdraw.undo
6	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
6	1.00	30	LocaleUtil.java	org.jhotdraw.util
6	0.88	241	CompositeEdit.java	org.jhotdraw.undo
6	0.72	615	UndoRedoManager.java	org.jhotdraw.undo
2	0.23	71	CommandButton.java	CH.ifa.draw.util
2	0.20	66	ActionTool.java	CH.ifa.draw.standard
2	0.13	184	FloatingTextField.java	CH.ifa.draw.util
2	0.07	210	CustomToolBar.java	CH.ifa.draw.contrib

"undoabl edit", {*action edit undo label redo util bundl chang undoabl resourc event*}



V	θ	Size	File	Package
13	1.00	128	IXMLParser.java	net.n3.nanoxml
13	1.00	1013	XMLUtil.java	net.n3.nanoxml
13	1.00	223	IXMLValidator.java	net.n3.nanoxml
13	1.00	842	NonValidator.java	net.n3.nanoxml
8	1.00	128	IXMLParser.java	net.n3.nanoxml
8	1.00	1013	XMLUtil.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
1	0.04	75	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"reader reader", {*code reader param elem attribut line except system read entiti xml*}

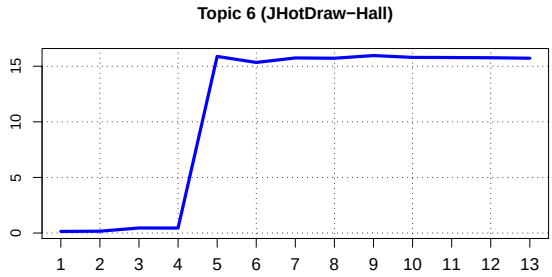
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
6	0.4062	0.0163
19	0.8404	0.9115
2	1.5477	1.0839

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
6	0.4062	0.0163
4	1.8891	0.0685
11	4.9680	0.0976

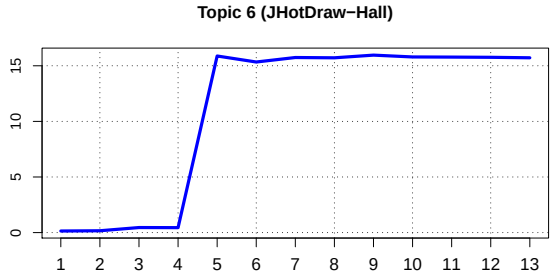
Best matching topic (Topic distance = 0.406, Evolution distance = 0.0163):



V	θ	Size	File	Package
9	1.00	77	IXMLEntityResolver.java	net.n3.nanoxml
9	1.00	223	IXMLValidator.java	net.n3.nanoxml
9	1.00	626	ValidatorPlugin.java	net.n3.nanoxml
9	1.00	325	XMLException.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	626	ValidatorPlugin.java	net.n3.nanoxml
8	1.00	325	XMLException.java	net.n3.nanoxml
1	0.12	177	StorableInput.java	CH.ifa.draw.util
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

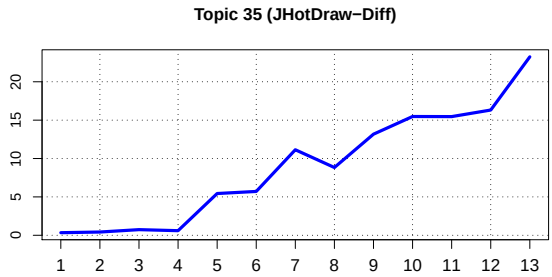
"reader reader", {*reader param system elem except entiti line data resolv read attribut*}

Best matching topic evolution (Topic distance = 0.406, Evolution distance = 0.0163):



V	θ	Size	File	Package
9	1.00	77	IXMLEntityResolver.java	net.n3.nanoxml
9	1.00	223	IXMLValidator.java	net.n3.nanoxml
9	1.00	626	ValidatorPlugin.java	net.n3.nanoxml
9	1.00	325	XMLException.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	626	ValidatorPlugin.java	net.n3.nanoxml
8	1.00	325	XMLException.java	net.n3.nanoxml
1	0.12	177	StorableInput.java	CH.ifa.draw.util
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"reader reader", {*reader param system elem except entiti line data resolv read attribut*}



V	θ	Size	File	Package
13	0.56	208	ViewPropertyAction.java	org.jhotdraw.app.action.view
13	0.55	256	ToggleViewPropertyAction.java	org.jhotdraw.app.action.view
13	0.45	102	DisclosureIcon.java	org.jhotdraw.gui
13	0.42	290	PropertyChangeEdit.java	org.jhotdraw.beans
6	0.62	223	ToggleProjectPropertyAction.java	org.jhotdraw.app.action
6	0.59	184	ProjectPropertyAction.java	org.jhotdraw.app.action
6	0.46	71	ToggleVisibleAction.java	org.jhotdraw.app.action
6	0.38	152	AbstractBean.java	org.jhotdraw.beans
1	0.11	410	DecoratorFigure.java	CH.ifa.draw.standard
1	0.07	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.05	188	CustomToolBar.java	CH.ifa.draw.contrib
1	0.05	44	SimpleUpdateStrategy.java	CH.ifa.draw.standard

"properti chang", {*properti overrid handler compon select updat evt enabl state chang visibl*}

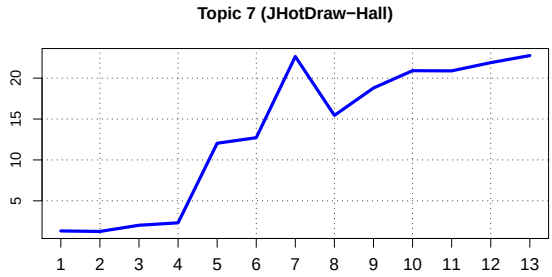
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
7	1.6831	0.7825
1	3.1636	3.1137
29	3.4232	0.6374

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
24	4.1761	0.6133
29	3.4232	0.6374
7	1.6831	0.7825

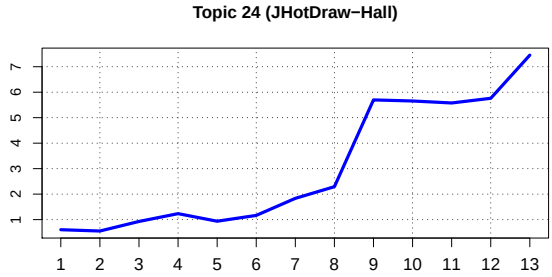
Best matching topic (Topic distance = 1.683, Evolution distance = 0.7825):



V	θ	Size	File	Package
13	0.95	313	AbstractBean.java	org.jhotdraw.beans
13	0.77	143	WeakPropertyChangeListener.java	org.jhotdraw.beans
13	0.71	208	ViewPropertyAction.java	org.jhotdraw.app.action.view
13	0.70	302	AbstractViewAction.java	org.jhotdraw.app.action
6	1.00	276	AbstractProjectAction.java	org.jhotdraw.app.action
6	1.00	71	ToggleVisibleAction.java	org.jhotdraw.app.action
6	1.00	152	AbstractBean.java	org.jhotdraw.beans
6	0.90	223	ToggleProjectPropertyAction.java	org.jhotdraw.app.action
2	0.18	203	PaletteButton.java	CH.ifa.draw.util
2	0.18	77	CommandChoice.java	CH.ifa.draw.util
2	0.16	258	CommandMenu.java	CH.ifa.draw.util
2	0.15	71	CommandButton.java	CH.ifa.draw.util

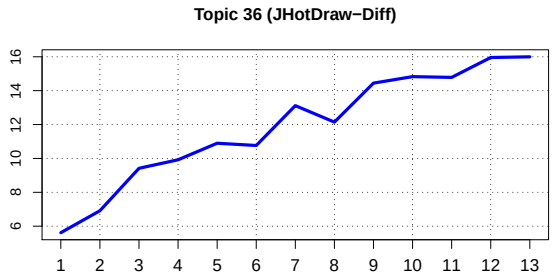
"properti chang", {*properti listen chang enabl event action handler updat evt state remov*}

Best matching topic evolution (Topic distance = 4.176, Evolution distance = 0.6133):



V	θ	Size	File	Package
13	0.97	3017	JMixer.java	org.jhotdraw.samples.color
13	0.74	1529	BezierDemo.java	org.jhotdraw.samples.mini
13	0.62	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.60	379	ProgressIndicator.java	org.jhotdraw.samples.svg.gui
4	0.29	72	ToggleGridCommand.java	org.jhotdraw.standard
4	0.26	62	GridConstrainer.java	org.jhotdraw.standard
4	0.25	57	ZoomAreaTracker.java	org.jhotdraw.contrib.zoom
4	0.10	77	CommandChoice.java	org.jhotdraw.util
2	0.24	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.22	68	GridConstrainer.java	CH.ifa.draw.standard
2	0.08	62	Filler.java	CH.ifa.draw.util
2	NA	NA	NA	NA

"zoom factor", {*grid bag constraint awt swing javax set add event label panel*}



V	θ	Size	File	Package
13	0.60	68	AbstractColorSlidersModel.java	org.jhotdraw.color
13	0.55	132	AbstractConstrainer.java	org.jhotdraw.draw
13	0.52	313	AbstractBean.java	org.jhotdraw.beans
13	0.46	143	WeakPropertyChangeListener.java	org.jhotdraw.beans
5	0.47	80	DrawingEvent.java	org.jhotdraw.draw
5	0.46	59	FigureListener.java	org.jhotdraw.draw
5	0.45	152	AbstractBean.java	org.jhotdraw.beans
5	0.42	36	AbstractFigureListener.java	org.jhotdraw.draw
1	0.68	203	FigureChangeEventMulticaster.java	CH.ifa.draw.standard
1	0.63	30	DrawingChangeListener.java	CH.ifa.draw.framework
1	0.63	54	FigureChangeListener.java	CH.ifa.draw.framework
1	0.48	44	FigureChangeAdapter.java	CH.ifa.draw.standard

"chang listen", {*listen chang event remov add invalid request updat fire area object*}

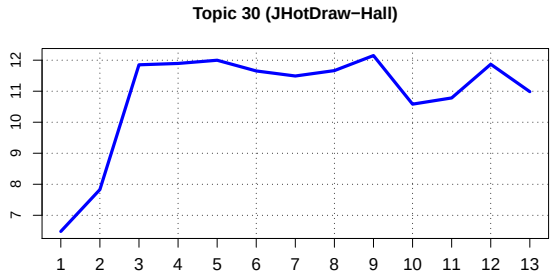
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
30	1.0545	0.3428
7	2.9212	1.1880
42	3.7385	0.3740

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
40	4.8193	0.0682
37	4.7202	0.0716
15	6.0833	0.1693

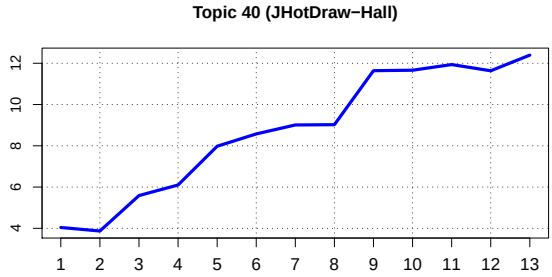
Best matching topic (Topic distance = 1.055, Evolution distance = 0.3428):



V	θ	Size	File	Package
9	0.87	45	HandleEvent.java	org.jhotdraw.draw
9	0.79	1094	AbstractFigure.java	org.jhotdraw.draw
9	0.73	92	FigureEvent.java	org.jhotdraw.draw
9	0.61	66	AbstractColorSlidersModel.java	org.jhotdraw.color
7	1.00	45	HandleEvent.java	org.jhotdraw.draw
7	0.79	1001	AbstractFigure.java	org.jhotdraw.draw
7	0.77	31	DrawingListener.java	org.jhotdraw.draw
7	0.75	85	FigureListener.java	org.jhotdraw.draw
1	0.97	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.93	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.92	203	FigureChangeEventMulticaster.java	CH.ifa.draw.standard
1	0.81	54	FigureChangeListener.java	CH.ifa.draw.framework

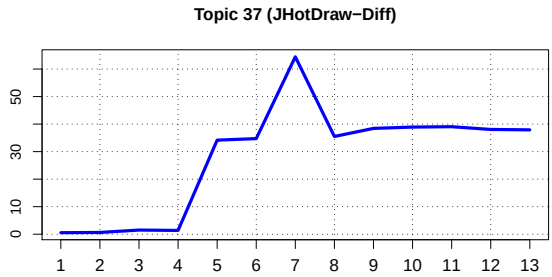
"chang listen", {*listen event figur chang remov draw list invalid area notifi fire*}

Best matching topic evolution (Topic distance = 4.819, Evolution distance = 0.0682):



V	θ	Size	File	Package
13	1.00	623	VerticalGridLayout.java	org.jhotdraw.gui
13	1.00	427	Insets2D.java	org.jhotdraw.geom
13	0.95	227	ToolBarLayout.java	org.jhotdraw.gui
13	0.80	315	VerticalLayouter.java	org.jhotdraw.draw.layouter
6	1.00	412	Insets2D.java	org.jhotdraw.geom
6	1.00	616	VerticalGridLayout.java	org.jhotdraw.draw.action
6	0.81	204	VerticalLayouter.java	org.jhotdraw.draw
6	0.69	300	Dimension2DDouble.java	org.jhotdraw.geom
2	0.70	185	PaletteLayout.java	CH.ifa.draw.util
2	0.63	43	Layoutable.java	CH.ifa.draw.contrib
2	0.50	395	StandardLayouter.java	CH.ifa.draw.contrib
2	0.41	175	AutoscrollHelper.java	CH.ifa.draw.contrib

"inset inset", {*inset layout width height left bound size top bottom prefer compon*}



V	θ	Size	File	Package
7	1.00	50	ClearAction.java	org.jhotdraw.app.action
7	1.00	33	SaveAsAction.java	org.jhotdraw.application.action
7	0.99	75	DuplicateAction.java	org.jhotdraw.app.action
7	0.98	43	SaveAsAction.java	org.jhotdraw.app.action
6	1.00	50	ClearAction.java	org.jhotdraw.app.action
6	0.99	75	DuplicateAction.java	org.jhotdraw.app.action
6	0.98	43	SaveAsAction.java	org.jhotdraw.app.action
6	0.96	93	CopyAction.java	org.jhotdraw.app.action
1	0.21	58	ActionTool.java	CH.ifa.draw.standard
1	0.09	95	NetApp.java	CH.ifa.draw.samples.net
1	0.08	170	FloatingTextField.java	CH.ifa.draw.util
1	0.06	52	Command.java	CH.ifa.draw.util

"app action", {*action project applic app docum enabl util event label focu creat*}

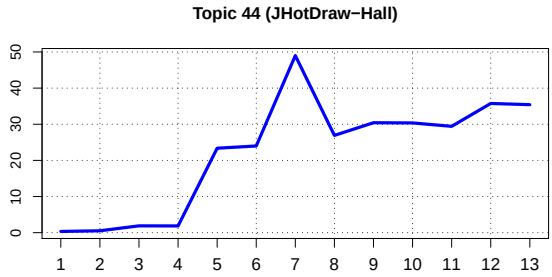
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
44	1.3431	0.1145
11	1.7671	0.4440
25	2.1074	0.9161

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
44	1.3431	0.1145
11	1.7671	0.4440
45	3.5221	0.4857

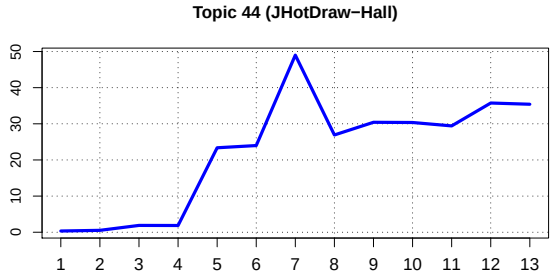
Best matching topic (Topic distance = 1.343, Evolution distance = 0.1145):



V	θ	Size	File	Package
7	1.00	162	LoadAction.java	org.jhotdraw.app.action
7	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
7	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
7	1.00	86	NewAction.java	org.jhotdraw.app.action
6	1.00	162	LoadAction.java	org.jhotdraw.app.action
6	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
6	1.00	74	MaximizeAction.java	org.jhotdraw.app.action
6	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
1	0.10	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.07	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.06	133	PertApplication.java	CH.ifa.draw.samples.pert
1	0.04	47	AbstractLocator.java	CH.ifa.draw.standard

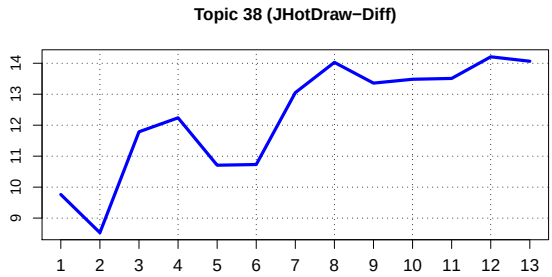
"recent file", {*view file applic app action project set chooser open util save*}

Best matching topic evolution (Topic distance = 1.343, Evolution distance = 0.1145):



V	θ	Size	File	Package
7	1.00	162	LoadAction.java	org.jhotdraw.app.action
7	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
7	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
7	1.00	86	NewAction.java	org.jhotdraw.app.action
6	1.00	162	LoadAction.java	org.jhotdraw.app.action
6	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
6	1.00	74	MaximizeAction.java	org.jhotdraw.app.action
6	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
1	0.10	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.07	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.06	133	PertApplication.java	CH.ifa.draw.samples.pert
1	0.04	47	AbstractLocator.java	CH.ifa.draw.standard

"recent file", {*view file applic app action project set chooser open util save*}



V	θ	Size	File	Package
12	0.74	126	NullHandle.java	org.jhotdraw.draw.handle
12	0.71	65	LocatorHandle.java	org.jhotdraw.draw.handle
12	0.60	379	MoveHandle.java	org.jhotdraw.draw.handle
12	0.58	175	RelativeDecoratorLocator.java	org.jhotdraw.draw.locator
4	0.84	153	LocatorHandle.java	org.jhotdraw.standard
4	0.66	156	RelativeLocator.java	org.jhotdraw.standard
4	0.58	248	Handle.java	org.jhotdraw.framework
4	0.56	484	UndoableHandle.java	org.jhotdraw.util
2	0.73	59	LocatorHandle.java	CH.ifa.draw.standard
2	0.65	162	RelativeLocator.java	CH.ifa.draw.standard
2	0.64	232	Handle.java	CH.ifa.draw.framework
2	0.62	268	AbstractHandle.java	CH.ifa.draw.standard

"handl handl", {*handl locat owner rel figur north south anchor east invok west*}

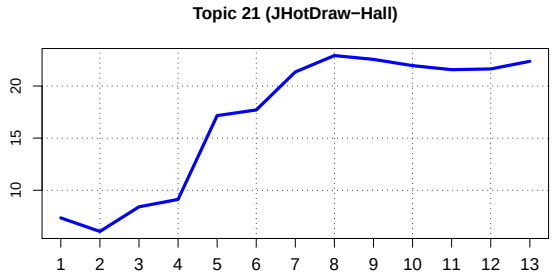
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
21	1.1329	0.5775
22	2.8654	14.1532
18	2.9865	0.2938

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
31	3.1818	0.0502
30	4.4011	0.1275
20	3.1550	0.1594

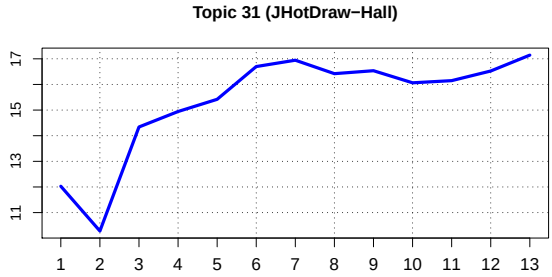
Best matching topic (Topic distance = 1.133, Evolution distance = 0.5775):



V	θ	Size	File	Package
8	1.00	697	TransformHandleKit.java	org.jhotdraw.draw
8	0.97	693	ResizeHandleKit.java	org.jhotdraw.draw
8	0.95	278	MoveHandle.java	org.jhotdraw.draw
8	0.90	61	LocatorHandle.java	org.jhotdraw.draw
6	0.98	617	BoxHandleKit.java	org.jhotdraw.draw
6	0.94	248	MoveHandle.java	org.jhotdraw.draw
6	0.91	141	RelativeDecoratorLocator.java	org.jhotdraw.draw
6	0.90	61	LocatorHandle.java	org.jhotdraw.draw
2	0.66	162	RelativeLocator.java	CH.ifa.draw.standard
2	0.56	59	LocatorHandle.java	CH.ifa.draw.standard
2	0.51	673	BoxHandleKit.java	CH.ifa.draw.standard
2	0.32	268	AbstractHandle.java	CH.ifa.draw.standard

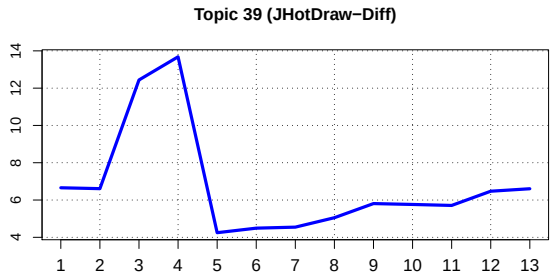
"locat locat", {*handl locat owner bound transform pointd figur point rel rectangl anchor*}

Best matching topic evolution (Topic distance = 3.182, Evolution distance = 0.0502):



V	θ	Size	File	Package
13	1.00	109	ConnectionStartHandle.java	org.jhotdraw.draw.handle
13	0.98	111	ConnectionEndHandle.java	org.jhotdraw.draw.handle
13	0.76	58	ChopBezierConnector.java	org.jhotdraw.draw.connector
13	0.75	1186	LineConnectionFigure.java	org.jhotdraw.draw
10	1.00	100	ConnectionEndHandle.java	org.jhotdraw.draw
10	0.98	96	ConnectionStartHandle.java	org.jhotdraw.draw
10	0.77	1134	LineConnectionFigure.java	org.jhotdraw.draw
10	0.75	279	AbstractConnector.java	org.jhotdraw.draw
2	0.66	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	646	LineConnection.java	CH.ifa.draw.figures
2	0.61	805	ConnectionTool.java	CH.ifa.draw.standard
2	0.61	488	ChangeConnectionHandle.java	CH.ifa.draw.standard

"connect figur", {*connect figur connector start end target point draw set handl owner*}



V	θ	Size	File	Package
4	0.60	450	UndoableTool.java	org.jhotdraw.util
4	0.59	49	ToolListener.java	org.jhotdraw.framework
4	0.54	41	NullTool.java	org.jhotdraw.standard
4	0.49	252	Tool.java	org.jhotdraw.framework
10	0.36	735	CreationTool.java	org.jhotdraw.draw
10	0.32	82	ToolListener.java	org.jhotdraw.draw
10	0.31	847	BezierTool.java	org.jhotdraw.draw
10	0.29	297	DnDTracker.java	org.jhotdraw.draw
5	0.44	336	SelectionTool.java	org.jhotdraw.draw
5	0.39	181	HandleTracker.java	org.jhotdraw.draw
5	0.37	52	ToolListener.java	org.jhotdraw.draw
5	0.35	392	CreationTool.java	org.jhotdraw.draw

"mous event", {*tool mous event creat drag activ creation deactiv editor point awt*}

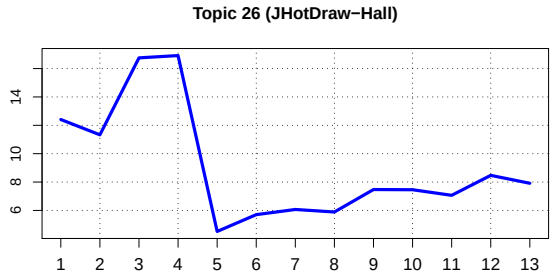
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
26	1.5539	0.1722
18	2.1776	2.1429
8	3.4039	5.7856

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
26	1.5539	0.1722
20	3.9437	0.8120
30	4.1332	1.4216

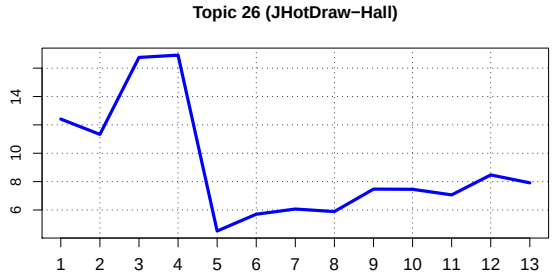
Best matching topic (Topic distance = 1.554, Evolution distance = 0.1722):



V	θ	Size	File	Package
4	0.97	144	NothingApplet.java	org.jhotdraw.samples.nothing
4	0.80	337	JavaDrawApplet.java	org.jhotdraw.samples.javadraw
4	0.80	88	PertApplet.java	org.jhotdraw.samples.pert
4	0.72	183	NothingApp.java	org.jhotdraw.samples.nothing
10	0.66	735	CreationTool.java	org.jhotdraw.draw
10	0.60	847	BezierTool.java	org.jhotdraw.draw
10	0.58	178	PathTool.java	org.jhotdraw.samples.svg
10	0.57	173	PathTool.java	org.jhotdraw.samples.odg
5	0.64	579	BezierTool.java	org.jhotdraw.draw
5	0.59	392	CreationTool.java	org.jhotdraw.draw
5	0.50	125	PathTool.java	org.jhotdraw.samples.svg
5	0.42	52	ToolListener.java	org.jhotdraw.draw

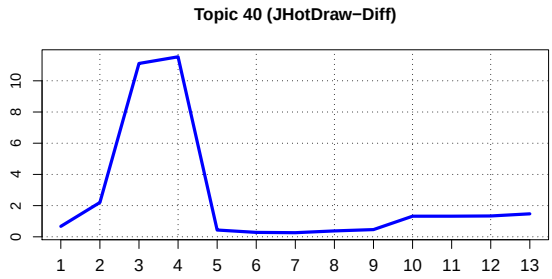
"creation tool", {*tool figur creat mous draw creation view prototyp event editor add*}

Best matching topic evolution (Topic distance = 1.554, Evolution distance = 0.1722):



V	θ	Size	File	Package
4	0.97	144	NothingApplet.java	org.jhotdraw.samples.nothing
4	0.80	337	JavaDrawApplet.java	org.jhotdraw.samples.javadraw
4	0.80	88	PertApplet.java	org.jhotdraw.samples.pert
4	0.72	183	NothingApp.java	org.jhotdraw.samples.nothing
10	0.66	735	CreationTool.java	org.jhotdraw.draw
10	0.60	847	BezierTool.java	org.jhotdraw.draw
10	0.58	178	PathTool.java	org.jhotdraw.samples.svg
10	0.57	173	PathTool.java	org.jhotdraw.samples.odg
5	0.64	579	BezierTool.java	org.jhotdraw.draw
5	0.59	392	CreationTool.java	org.jhotdraw.draw
5	0.50	125	PathTool.java	org.jhotdraw.samples.svg
5	0.42	52	ToolListener.java	org.jhotdraw.draw

"creation tool", {*tool figur creat mous draw creation view prototyp event editor add*}



V	θ	Size	File	Package
4	1.00	125	DisposableResourceManager.java	org.jhotdraw.contrib.html
4	1.00	194	DisposableResourceManagerFactory.java	org.jhotdraw.contrib.html
4	1.00	369	ETSLADisposalStrategy.java	org.jhotdraw.contrib.html
4	1.00	24	ResourceManagerNotSetException.java	org.jhotdraw.contrib.html
1	0.44	54	Animator.java	CH.ifa.draw.samples.javadraw
1	0.09	44	SimpleUpdateStrategy.java	CH.ifa.draw.standard
1	0.08	326	StandardDrawing.java	CH.ifa.draw.standard
1	0.04	68	BufferedUpdateStrategy.java	CH.ifa.draw.standard
7	0.09	648	ResourceBundleUtil.java	org.jhotdraw.util
7	0.04	77	StyleManager.java	org.jhotdraw.xml.css
7	0.04	273	AttributeToggler.java	org.jhotdraw.draw.action
7	0.03	670	TaskFigure.java	org.jhotdraw.samples.pert.figures

"control strategi", {*resourc dispos strategi manag public holder set time except object compat*}

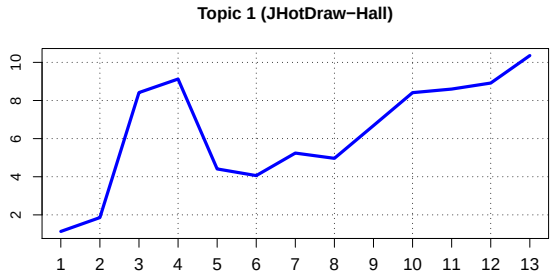
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
1	2.4008	14.8285
16	2.5768	2.8592
42	2.9988	16.6929

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
16	2.5768	2.8592
22	3.4817	5.2891
17	4.3369	5.7924

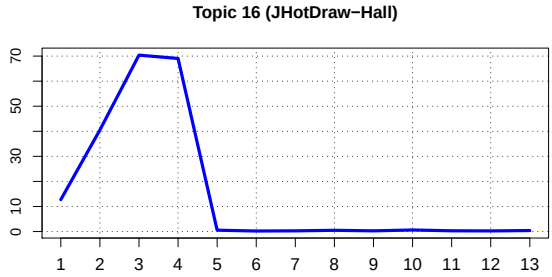
Best matching topic (Topic distance = 2.401, Evolution distance = 14.8285):



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.80	517	GenericListener.java	org.jhotdraw.gui.event
13	0.79	14	Disposable.java	org.jhotdraw.app
13	0.59	182	XMLParserFactory.java	net.n3.nanoxml
7	1.00	902	Methods.java	org.jhotdraw.util
7	0.80	510	GenericListener.java	org.jhotdraw.draw.action
7	0.57	182	XMLParserFactory.java	net.n3.nanoxml
7	0.38	648	ResourceBundleUtil.java	org.jhotdraw.util
1	0.29	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.26	54	Animator.java	CH.ifa.draw.samples.javadraw
1	0.15	47	AbstractLocator.java	CH.ifa.draw.standard
1	0.07	177	StorableInput.java	CH.ifa.draw.util

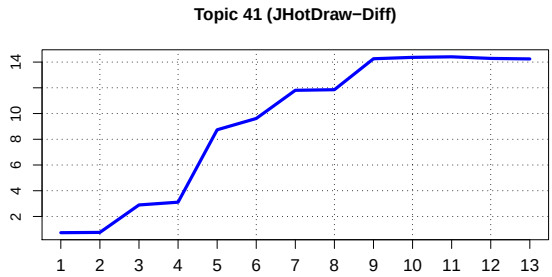
"method invok", {*method except object invok resourc param target obj error code dispos*}

Best matching topic evolution (Topic distance = 2.577, Evolution distance = 2.8592):



V	θ	Size	File	Package
3	1.00	222	UndoRedoActivity.java	CH.ifa.draw.util
3	1.00	71	Undoable.java	CH.ifa.draw.util
3	0.96	412	UndoManager.java	CH.ifa.draw.util
3	0.93	42	IteratorWrapper.java	CH.ifa.draw.util.collections.jdk11
13	0.18	77	StyleManager.java	org.jhotdraw.xml.css
13	0.08	115	DrawingComponent.java	org.jhotdraw.samples.svg.gui
13	0.04	25	URIUtil.java	org.jhotdraw.net
13	0.03	239	PaletteListCellRenderer.java	org.jhotdraw.gui.plaf.palette
6	0.13	47	EditableComponent.java	org.jhotdraw.app
6	0.05	347	ConnectionHandle.java	org.jhotdraw.draw
6	0.03	32	ReversedList.java	org.jhotdraw.util
6	NA	NA	NA	NA

"undo activ", {*public command return undo activ figur set undoabl protect draw enumer*}



V	θ	Size	File	Package
11	0.59	919	SVGConstants.java	org.jhotdraw.samples.svg
11	0.51	614	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
11	0.50	572	AbstractAttributedFigure.java	org.jhotdraw.draw
11	0.43	135	PickAttributesAction.java	org.jhotdraw.draw.action
6	0.64	701	SVGConstants.java	org.jhotdraw.samples.svg
6	0.57	156	AttributeKey.java	org.jhotdraw.draw
6	0.55	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.52	644	AbstractAttributedFigure.java	org.jhotdraw.draw
1	0.20	162	ColorMap.java	CH.ifa.draw.util
1	0.19	72	ChangeAttributeCommand.java	CH.ifa.draw.standard
1	0.12	252	FigureAttributes.java	CH.ifa.draw.figures
1	0.06	229	Iconkit.java	CH.ifa.draw.util

"map put", {*attribut map kei put set object hash entri basic valu link*}

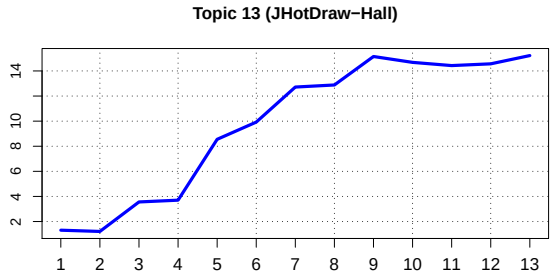
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
13	0.8255	0.0169
28	3.4681	0.9050
3	3.5336	0.3161

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
13	0.8255	0.0169
43	3.5804	0.0859
27	4.6894	0.1046

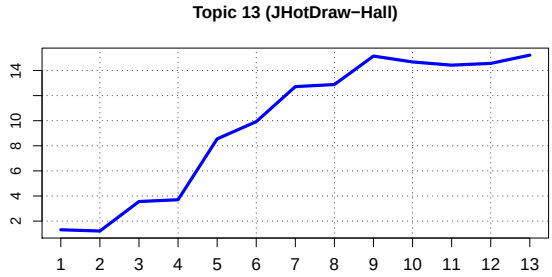
Best matching topic (Topic distance = 0.826, Evolution distance = 0.0169):



V	θ	Size	File	Package
13	0.69	585	AbstractAttributedFigure.java	org.jhotdraw.draw
13	0.65	615	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
13	0.62	130	PickAttributesAction.java	org.jhotdraw.draw.action
13	0.59	370	AttributeAction.java	org.jhotdraw.draw.action
6	0.85	156	AttributeKey.java	org.jhotdraw.draw
6	0.70	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.69	644	AbstractAttributedFigure.java	org.jhotdraw.draw
6	0.50	217	AttributeAction.java	org.jhotdraw.draw.action
2	0.31	333	AttributeFigure.java	CH.ifa.draw.figures
2	0.22	294	ChangeAttributeCommand.java	CH.ifa.draw.standard
2	0.22	296	FigureAttributes.java	CH.ifa.draw.figures
2	0.18	189	ColorMap.java	CH.ifa.draw.util

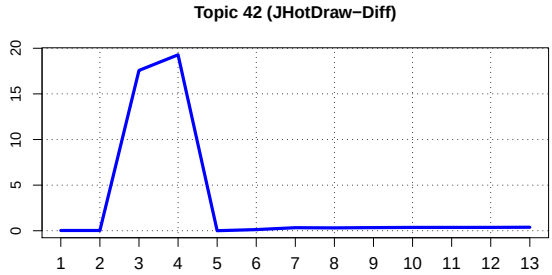
"attribut kei", {*attribut kei set figur object map entri draw hash restor put*}

Best matching topic evolution (Topic distance = 0.826, Evolution distance = 0.0169):



V	θ	Size	File	Package
13	0.69	585	AbstractAttributedFigure.java	org.jhotdraw.draw
13	0.65	615	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
13	0.62	130	PickAttributesAction.java	org.jhotdraw.draw.action
13	0.59	370	AttributeAction.java	org.jhotdraw.draw.action
6	0.85	156	AttributeKey.java	org.jhotdraw.draw
6	0.70	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.69	644	AbstractAttributedFigure.java	org.jhotdraw.draw
6	0.50	217	AttributeAction.java	org.jhotdraw.draw.action
2	0.31	333	AttributeFigure.java	CH.ifa.draw.figures
2	0.22	294	ChangeAttributeCommand.java	CH.ifa.draw.standard
2	0.22	296	FigureAttributes.java	CH.ifa.draw.figures
2	0.18	189	ColorMap.java	CH.ifa.draw.util

"attribut kei", {*attribut kei set figur object map entri draw hash restor put*}



V	θ	Size	File	Package
4	1.00	55	AllTests.java	org.jhotdraw.test.samples.minimap
4	1.00	55	AllTests.java	org.jhotdraw.test.samples.net
4	0.98	51	AllTests.java	org.jhotdraw.test.samples.nothing
4	0.97	126	AllTests.java	org.jhotdraw.test
7	0.18	34	Main.java	org.jhotdraw.samples.odg
7	0.12	1496	BezierPathTest.java	org.jhotdraw.geom
7	0.02	42	ODGApplicationModel.java	org.jhotdraw.samples.odg
7	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

"test suit add", {*test suit add junit net command sampl tool standard framework public*}

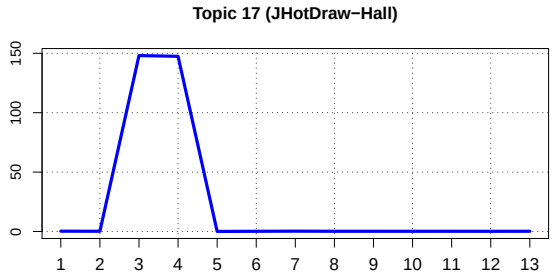
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
17	2.9795	0.3354
22	3.0229	14.8367
16	3.1655	7.2622

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
17	2.9795	0.3354
16	3.1655	7.2622
22	3.0229	14.8367

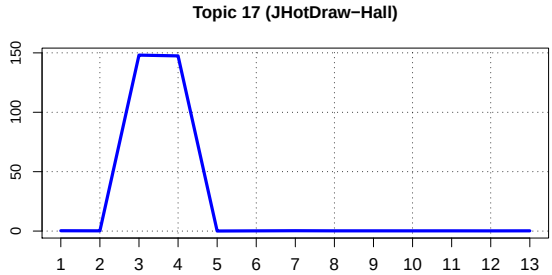
Best matching topic (Topic distance = 2.979, Evolution distance = 0.3354):



V	θ	Size	File	Package
3	1.00	314	SimpleUpdateStrategyTest.java	CH.ifa.draw.test.standard
3	0.95	422	BouncingDrawingTest.java	CH.ifa.draw.test.samples.javadra
3	0.95	274	NothingAppTest.java	CH.ifa.draw.test.samples.nothing
3	0.95	318	StandardVersionControlStrategyTest.java	CH.ifa.draw.test.util
11	0.15	1497	BezierPathTest.java	org.jhotdraw.geom
11	0.03	101	ClipboardUtil.java	org.jhotdraw.gui.datatransfer
11	NA	NA	NA	NA
11	NA	NA	NA	NA
5	0.02	46	ListFigure.java	org.jhotdraw.draw
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

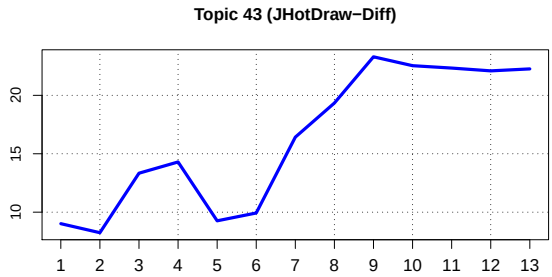
"junit doclet begin", {*test junit method doclet begin end javadoc except testcas instanc draw*}

Best matching topic evolution (Topic distance = 2.979, Evolution distance = 0.3354):



V	θ	Size	File	Package
3	1.00	314	SimpleUpdateStrategyTest.java	CH.ifa.draw.test.standard
3	0.95	422	BouncingDrawingTest.java	CH.ifa.draw.test.samples.javadra
3	0.95	274	NothingAppTest.java	CH.ifa.draw.test.samples.nothing
3	0.95	318	StandardVersionControlStrategyTest.java	CH.ifa.draw.test.util
11	0.15	1497	BezierPathTest.java	org.jhotdraw.geom
11	0.03	101	ClipboardUtil.java	org.jhotdraw.gui.datatransfer
11	NA	NA	NA	NA
11	NA	NA	NA	NA
5	0.02	46	ListFigure.java	org.jhotdraw.draw
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

"junit doclet begin", {*test junit method doclet begin end javadoc except testcas instanc draw*}



V	θ	Size	File	Package
9	0.53	88	DrawingAttributeEditorHandler.java	org.jhotdraw.gui
9	0.49	188	DrawingComponentRepainter.java	org.jhotdraw.samples.svg.gui
9	0.49	217	SelectionComponentRepainter.java	org.jhotdraw.draw.action
9	0.48	210	AbstractDrawingViewAction.java	org.jhotdraw.draw.action
4	0.73	116	DesktopEvent.java	org.jhotdraw.contrib
4	0.56	62	ViewChangeListener.java	org.jhotdraw.framework
4	0.46	24	FigureSelectionListener.java	org.jhotdraw.framework
4	0.42	73	Helper.java	org.jhotdraw.contrib
2	0.53	77	ViewChangeListener.java	CH.ifa.draw.framework
2	0.46	26	FigureSelectionListener.java	CH.ifa.draw.framework
2	0.35	122	DrawingEditor.java	CH.ifa.draw.framework
2	0.30	61	CopyCommand.java	CH.ifa.draw.standard

"draw view", {*view draw editor select activ set add creat updat manag interact*}

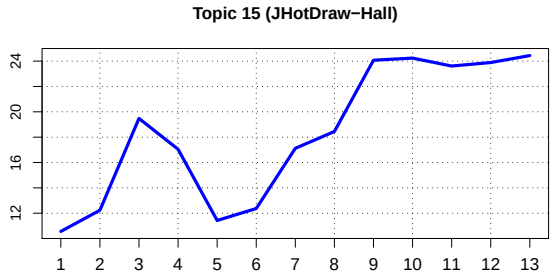
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
15	0.4725	0.0957
42	3.1350	0.6709
29	3.1966	1.7755

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
15	0.4725	0.0957
12	4.2346	0.1239
18	3.3462	0.1293

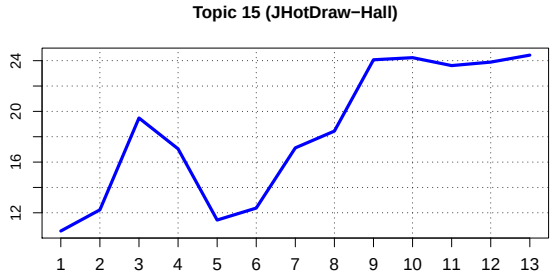
Best matching topic (Topic distance = 0.473, Evolution distance = 0.0957):



V	θ	Size	File	Package
13	0.67	94	DrawingAttributeEditorHandler.java	org.jhotdraw.draw.event
13	0.66	64	SelectSameAction.java	org.jhotdraw.draw.action
13	0.57	226	SelectionComponentRepainter.java	org.jhotdraw.draw.event
13	0.56	142	FigureAttributeEditorHandler.java	org.jhotdraw.draw.event
7	0.64	45	FigureSelectionEvent.java	org.jhotdraw.draw
7	0.58	116	ZoomEditorAction.java	org.jhotdraw.draw.action
7	0.58	118	ToggleGridAction.java	org.jhotdraw.draw.action
7	0.48	71	SelectSameAction.java	org.jhotdraw.draw.action
1	0.39	80	GroupCommand.java	CH.ifa.draw.figures
1	0.39	80	DrawingEditor.java	CH.ifa.draw.framework
1	0.38	81	UngroupCommand.java	CH.ifa.draw.figures
1	0.38	97	FigureTransferCommand.java	CH.ifa.draw.standard

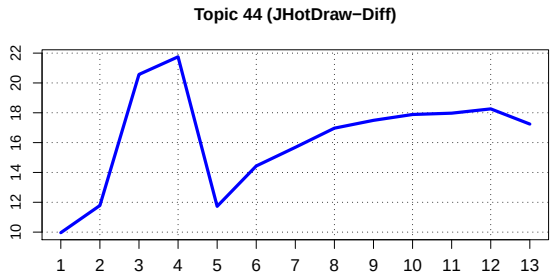
"draw view", {*view draw editor select constrain figur activ set add creat scale*}

Best matching topic evolution (Topic distance = 0.473, Evolution distance = 0.0957):



V	θ	Size	File	Package
13	0.67	94	DrawingAttributeEditorHandler.java	org.jhotdraw.draw.event
13	0.66	64	SelectSameAction.java	org.jhotdraw.draw.action
13	0.57	226	SelectionComponentRepainter.java	org.jhotdraw.draw.event
13	0.56	142	FigureAttributeEditorHandler.java	org.jhotdraw.draw.event
7	0.64	45	FigureSelectionEvent.java	org.jhotdraw.draw
7	0.58	116	ZoomEditorAction.java	org.jhotdraw.draw.action
7	0.58	118	ToggleGridAction.java	org.jhotdraw.draw.action
7	0.48	71	SelectSameAction.java	org.jhotdraw.draw.action
1	0.39	80	GroupCommand.java	CH.ifa.draw.figures
1	0.39	80	DrawingEditor.java	CH.ifa.draw.framework
1	0.38	81	UngroupCommand.java	CH.ifa.draw.figures
1	0.38	97	FigureTransferCommand.java	CH.ifa.draw.standard

"draw view", {*view draw editor select constrain figur activ set add creat scale*}



V	θ	Size	File	Package
4	0.57	100	BouncingDrawing.java	org.jhotdraw.samples.javadraw
4	0.49	141	NestedCreationTool.java	org.jhotdraw.contrib
4	0.47	152	CompositeFigureCreationTool.java	org.jhotdraw.contrib
4	0.44	641	DecoratorFigure.java	org.jhotdraw.standard
8	0.60	43	DecoratedFigure.java	org.jhotdraw.draw
8	0.44	48	FigureAdapter.java	org.jhotdraw.draw
8	0.38	34	CompositeFigureListener.java	org.jhotdraw.draw
8	0.34	85	FigureListener.java	org.jhotdraw.draw
1	0.52	671	CompositeFigure.java	CH.ifa.draw.standard
1	0.47	75	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
1	0.38	410	DecoratorFigure.java	CH.ifa.draw.standard
1	0.38	343	Drawing.java	CH.ifa.draw.framework

"figur figur", {*figur draw set composit add contain decor group clone insert creat*}

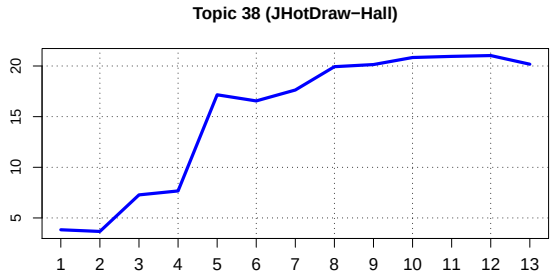
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
38	1.6129	1.3948
22	2.6406	12.2051
42	3.1947	0.3964

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
20	4.7214	0.0741
30	3.8985	0.1852
31	3.3796	0.2512

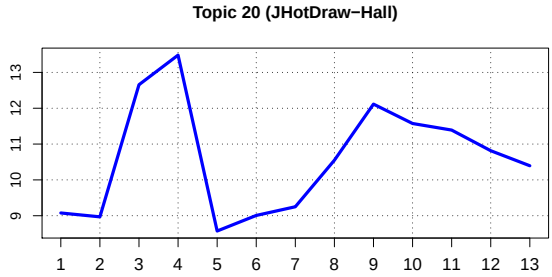
Best matching topic (Topic distance = 1.613, Evolution distance = 1.3948):



V	θ	Size	File	Package
12	0.96	503	QuadTreeDrawing.java	org.jhotdraw.draw
12	0.93	535	QuadTreeCompositeFigure.java	org.jhotdraw.draw
12	0.92	349	DefaultDrawing.java	org.jhotdraw.draw
12	0.89	36	FigureLayerComparator.java	org.jhotdraw.draw
5	0.94	31	FigureLayerComparator.java	org.jhotdraw.draw
5	0.89	426	QuadTreeDrawing.java	org.jhotdraw.draw
5	0.83	398	DefaultDrawing.java	org.jhotdraw.draw
5	0.79	242	CompositeFigure.java	org.jhotdraw.draw
2	0.49	1296	CompositeFigure.java	CH.ifa.draw.standard
2	0.45	635	Drawing.java	CH.ifa.draw.framework
2	0.43	600	GraphicalCompositeFigure.java	CH.ifa.draw.contrib
2	0.33	58	OrderedFigureElement.java	CH.ifa.draw.standard

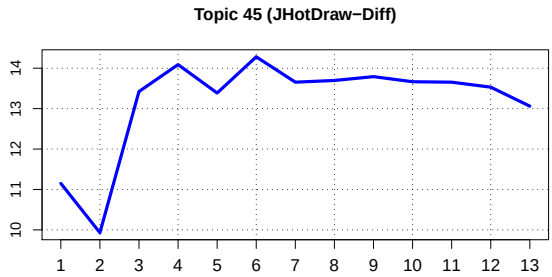
"figur figur", {*figur draw child composit children add list remov present group bound*}

Best matching topic evolution (Topic distance = 4.721, Evolution distance = 0.0741):



V	θ	Size	File	Package
4	0.92	431	Geom.java	org.jhotdraw.util
4	0.68	254	ArrowTip.java	org.jhotdraw.figures
4	0.66	119	ChopDiamondConnector.java	org.jhotdraw.contrib
4	0.60	106	PolyLineConnector.java	org.jhotdraw.figures
13	0.82	827	Geom.java	org.jhotdraw.geom
13	0.71	187	ChopDiamondConnector.java	org.jhotdraw.draw.connector
13	0.57	555	DoubleStroke.java	org.jhotdraw.geom
13	0.56	511	BezierLabelLocator.java	org.jhotdraw.draw.locator
5	0.82	827	Geom.java	org.jhotdraw.geom
5	0.75	182	ChopDiamondConnector.java	org.jhotdraw.draw
5	0.63	508	BezierLabelLocator.java	org.jhotdraw.draw
5	0.58	194	ArrowTip.java	org.jhotdraw.draw

"poli line", {*point line angl width rectangl pointd height corner math polygon radiu*}



V	θ	Size	File	Package
6	0.91	97	ChangeConnectionStartHandle.java	org.jhotdraw.draw
6	0.84	413	AbstractChangeConnectionHandle.java	org.jhotdraw.draw
6	0.81	101	ChangeConnectionEndHandle.java	org.jhotdraw.draw
6	0.71	126	Connector.java	org.jhotdraw.draw
12	0.93	102	ConnectionStartHandle.java	org.jhotdraw.draw.handle
12	0.88	104	ConnectionEndHandle.java	org.jhotdraw.draw.handle
12	0.64	190	Connector.java	org.jhotdraw.draw.connector
12	0.63	1172	LineConnectionFigure.java	org.jhotdraw.draw
2	0.64	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	261	ConnectionFigure.java	CH.ifa.draw.framework
2	0.61	150	ChangeConnectionStartHandle.java	CH.ifa.draw.standard
2	0.61	152	ChangeConnectionEndHandle.java	CH.ifa.draw.standard

"connect figur", {*connect connector figur start end target point set find handl draw*}

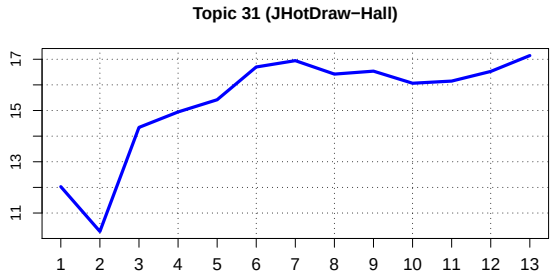
Top 3 matching topics in JHotDraw-Hall:

Topic	Dist.	EvoDist.
31	0.1719	0.0310
38	2.4957	1.1186
21	2.6601	0.8338

Top 3 matching topic evolutions in JHotDraw-Hall:

Topic	Dist.	EvoDist.
31	0.1719	0.0310
30	3.8583	0.0560
20	3.1111	0.1305

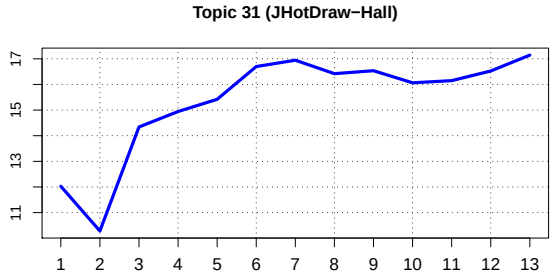
Best matching topic (Topic distance = 0.172, Evolution distance = 0.0310):



V	θ	Size	File	Package
13	1.00	109	ConnectionStartHandle.java	org.jhotdraw.draw.handle
13	0.98	111	ConnectionEndHandle.java	org.jhotdraw.draw.handle
13	0.76	58	ChopBezierConnector.java	org.jhotdraw.draw.connector
13	0.75	1186	LineConnectionFigure.java	org.jhotdraw.draw
10	1.00	100	ConnectionEndHandle.java	org.jhotdraw.draw
10	0.98	96	ConnectionStartHandle.java	org.jhotdraw.draw
10	0.77	1134	LineConnectionFigure.java	org.jhotdraw.draw
10	0.75	279	AbstractConnector.java	org.jhotdraw.draw
2	0.66	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	646	LineConnection.java	CH.ifa.draw.figures
2	0.61	805	ConnectionTool.java	CH.ifa.draw.standard
2	0.61	488	ChangeConnectionHandle.java	CH.ifa.draw.standard

"connect figur", {*connect figur connector start end target point draw set handl owner*}

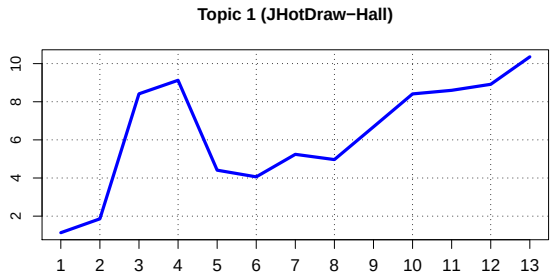
Best matching topic evolution (Topic distance = 0.172, Evolution distance = 0.0310):



V	θ	Size	File	Package
13	1.00	109	ConnectionStartHandle.java	org.jhotdraw.draw.handle
13	0.98	111	ConnectionEndHandle.java	org.jhotdraw.draw.handle
13	0.76	58	ChopBezierConnector.java	org.jhotdraw.draw.connector
13	0.75	1186	LineConnectionFigure.java	org.jhotdraw.draw
10	1.00	100	ConnectionEndHandle.java	org.jhotdraw.draw
10	0.98	96	ConnectionStartHandle.java	org.jhotdraw.draw
10	0.77	1134	LineConnectionFigure.java	org.jhotdraw.draw
10	0.75	279	AbstractConnector.java	org.jhotdraw.draw
2	0.66	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	646	LineConnection.java	CH.ifa.draw.figures
2	0.61	805	ConnectionTool.java	CH.ifa.draw.standard
2	0.61	488	ChangeConnectionHandle.java	CH.ifa.draw.standard

"connect figur", {*connect figur connector start end target point draw set handl owner*}

1.2 Hall



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.80	517	GenericListener.java	org.jhotdraw.gui.event
13	0.79	14	Disposable.java	org.jhotdraw.app
13	0.59	182	XMLParserFactory.java	net.n3.nanoxml
7	1.00	902	Methods.java	org.jhotdraw.util
7	0.80	510	GenericListener.java	org.jhotdraw.draw.action
7	0.57	182	XMLParserFactory.java	net.n3.nanoxml
7	0.38	648	ResourceBundleUtil.java	org.jhotdraw.util
1	0.29	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.26	54	Animator.java	CH.ifa.draw.samples.javadraw
1	0.15	47	AbstractLocator.java	CH.ifa.draw.standard
1	0.07	177	StorableInput.java	CH.ifa.draw.util

"method invok", {*method except object invok resourc param target obj error code dispos*}

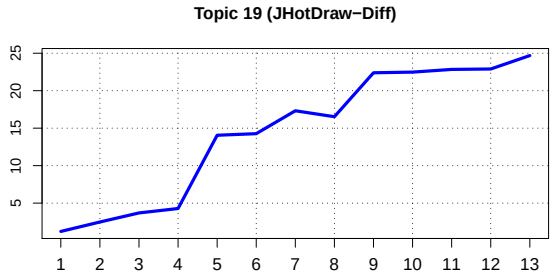
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
19	0.9607	1.9519
40	1.9506	14.8285
34	2.9320	3.4435

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
29	4.7400	0.1563
30	4.7203	0.3250
1	4.2309	0.4448

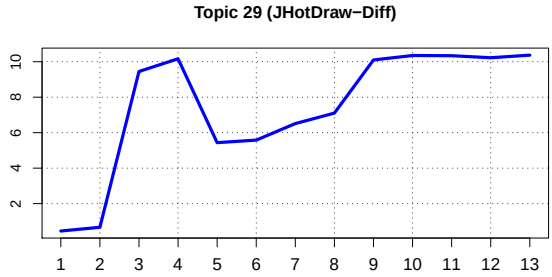
Best matching topic (Topic distance = 0.961, Evolution distance = 1.9519):



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.83	180	Worker.java	org.jhotdraw.gui
13	0.77	517	GenericListener.java	org.jhotdraw.gui.event
13	0.72	47	Nullable.java	org.jhotdraw.annotations
6	1.00	902	Methods.java	org.jhotdraw.util
6	0.91	107	Worker.java	org.jhotdraw.gui
6	0.77	510	GenericListener.java	org.jhotdraw.draw.action
6	0.67	30	LocaleUtil.java	org.jhotdraw.util
1	0.24	91	FollowURLTool.java	CH.ifa.draw.samples.javadraw
1	0.16	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.14	434	CustomSelectionTool.java	CH.ifa.draw.contrib
1	0.11	413	Figure.java	CH.ifa.draw.framework

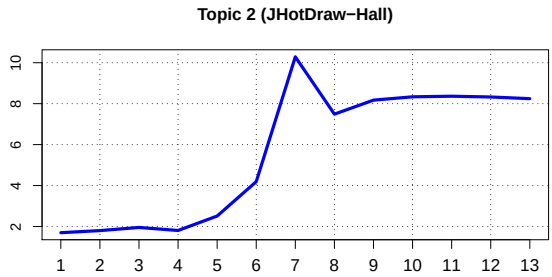
"code code", {*code method param except object return call applet invok result creat*}

Best matching topic evolution (Topic distance = 4.740, Evolution distance = 0.1563):



V	θ	Size	File	Package
13	0.50	34	ReversedList.java	org.jhotdraw.util
13	0.46	323	FontCollectionNode.java	org.jhotdraw.gui.fontchooser
13	0.36	313	FontFamilyNode.java	org.jhotdraw.gui.fontchooser
13	0.32	19	DefaultODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.53	32	ReversedList.java	org.jhotdraw.util
8	0.29	14	ODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.27	512	QuadTreeDrawing.java	org.jhotdraw.draw
8	0.26	521	QuadTreeCompositeFigure.java	org.jhotdraw.draw
1	0.14	63	PolyLineLocator.java	CH.ifa.draw.figures
1	0.09	235	SelectionTool.java	CH.ifa.draw.standard
1	0.07	70	CommandChoice.java	CH.ifa.draw.util
1	0.06	352	StorageFormatManager.java	CH.ifa.draw.util

"collect factori", {*list collect iter util child factori creat add index remov jdk*}



V	θ	Size	File	Package
7	1.00	2101	Base64.java	org.jhotdraw.io
7	0.92	549	Matcher.java	org.jhotdraw.samples.teddyapplication.regex
7	0.90	550	Matcher.java	org.jhotdraw.samples.teddy.regex
7	0.77	154	LFWriter.java	org.jhotdraw.samples.teddyapplication.io
6	1.00	2101	Base64.java	org.jhotdraw.io
6	0.55	239	CSSParser.java	org.jhotdraw.xml.css
6	0.48	151	CDATAReader.java	net.n3.nanoxml
6	0.48	227	ContentReader.java	net.n3.nanoxml
1	0.51	177	StorableInput.java	CH.ifa.draw.util
1	0.51	89	OffsetLocator.java	CH.ifa.draw.standard
1	0.32	181	StorableOutput.java	CH.ifa.draw.util
1	0.26	138	FigureSelection.java	CH.ifa.draw.framework

"input stream", {*stream read end encod length offset line charact match index byte*}

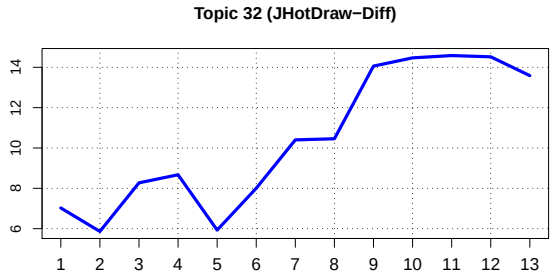
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
32	1.5417	0.9069
34	1.7977	1.0839
19	2.0393	0.5507

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
21	3.3635	0.2469
41	5.0947	0.4560
19	2.0393	0.5507

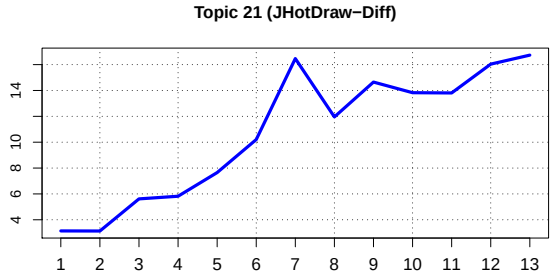
Best matching topic (Topic distance = 1.542, Evolution distance = 0.9069):



V	θ	Size	File	Package
11	0.92	114	QuickAndDirtyDOMStorableSample.java	org.jhotdraw.samples.mini
11	0.88	119	DefaultDOMStorableSample.java	org.jhotdraw.samples.mini
11	0.62	2103	Base64.java	org.jhotdraw.io
11	0.55	30	DOMStorable.java	org.jhotdraw.xml
4	0.86	37	Storable.java	org.jhotdraw.util
4	0.71	219	StorableOutput.java	org.jhotdraw.util
4	0.62	244	StorableInput.java	org.jhotdraw.util
4	0.58	101	OffsetLocator.java	org.jhotdraw.standard
2	0.87	39	Storable.java	CH.ifa.draw.util
2	0.67	209	StorableOutput.java	CH.ifa.draw.util
2	0.61	224	StorableInput.java	CH.ifa.draw.util
2	0.55	107	OffsetLocator.java	CH.ifa.draw.standard

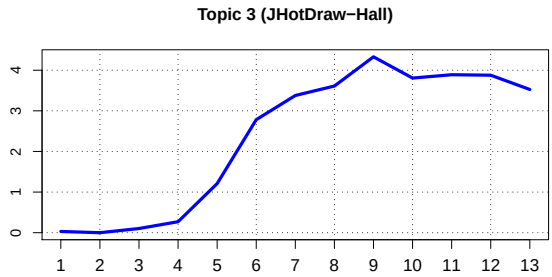
"input stream", {*input read output write stream storabl ioexcept format file object data*}

Best matching topic evolution (Topic distance = 3.363, Evolution distance = 0.2469):



V	θ	Size	File	Package
13	0.75	126	ExtensionFileFilter.java	org.jhotdraw.gui.filechooser
13	0.71	156	SheetEvent.java	org.jhotdraw.gui.event
13	0.68	46	JFileURIChooser.java	org.jhotdraw.gui
13	0.62	25	URIUtil.java	org.jhotdraw.net
6	0.73	130	ExtensionFileFilter.java	org.jhotdraw.io
6	0.70	129	SheetEvent.java	org.jhotdraw.gui.event
6	0.63	682	ExitAction.java	org.jhotdraw.app.action
6	0.60	339	AbstractSaveBeforeAction.java	org.jhotdraw.app.action
2	0.83	353	StorageFormatManager.java	CH.ifa.draw.util
2	0.76	110	StorageFormat.java	CH.ifa.draw.util
2	0.70	506	StandardStorageFormat.java	CH.ifa.draw.util
2	0.53	196	SerializationStorageFormat.java	CH.ifa.draw.util

"storag format", {*file format chooser storag filter save set extens pane option dialog*}



V	θ	Size	File	Package
9	1.00	3139	SVGOutputFormat.java	org.jhotdraw.samples.svg.io
9	0.57	1335	ImageMapOutputFormat.java	org.jhotdraw.samples.svg.io
9	0.54	430	DefaultSVGFigureFactory.java	org.jhotdraw.samples.svg.io
9	0.49	218	SVGFigureFactory.java	org.jhotdraw.samples.svg.io
6	1.00	2604	SVGOutputFormat.java	org.jhotdraw.samples.svg.io
6	0.49	201	SVGFigureFactory.java	org.jhotdraw.samples.svg.io
6	0.48	456	DefaultSVGFigureFactory.java	org.jhotdraw.samples.svg.io
6	0.32	185	LinearGradient.java	org.jhotdraw.samples.svg
2	NA	NA	NA	NA
2	NA	NA	NA	NA
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"buf append buf", {*elem attribut write buf append creat figur ixmlel path stop gradient*}

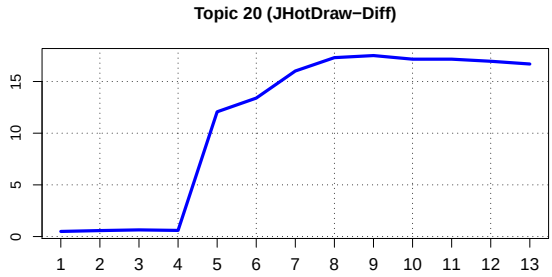
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
20	0.9004	0.2577
8	2.2106	0.6471
27	2.2242	0.2371

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
31	2.3798	0.1725
27	2.2242	0.2371
20	0.9004	0.2577

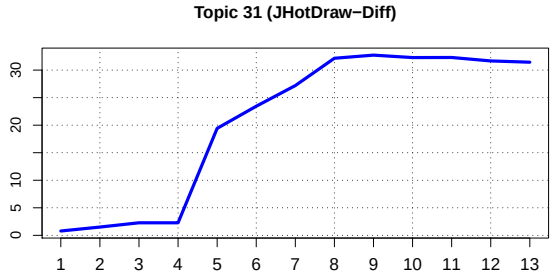
Best matching topic (Topic distance = 0.900, Evolution distance = 0.2577):



V	θ	Size	File	Package
9	0.94	191	DOMOutput.java	org.jhotdraw.xml
9	0.85	142	ODGDrawing.java	org.jhotdraw.samples.odg
9	0.85	479	NanoXMLDOMInput.java	org.jhotdraw.xml
9	0.85	156	DOMInput.java	org.jhotdraw.xml
6	0.98	181	DOMOutput.java	org.jhotdraw.xml
6	0.92	61	StyleManager.java	org.jhotdraw.xml.css
6	0.90	146	DOMInput.java	org.jhotdraw.xml
6	0.87	469	NanoXMLDOMInput.java	org.jhotdraw.xml
1	0.20	177	StorableInput.java	CH.ifa.draw.util
1	0.20	66	NumberTextFigure.java	CH.ifa.draw.figures
1	0.04	550	PolyLineFigure.java	CH.ifa.draw.figures
1	0.02	573	PertFigure.java	CH.ifa.draw.samples.pert

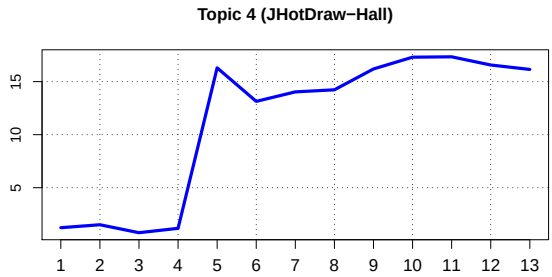
"open elem", {*elem attribut number read ioexcept str style current object text buf*}

Best matching topic evolution (Topic distance = 2.380, Evolution distance = 0.1725):



V	θ	Size	File	Package
9	0.84	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
9	0.83	231	RectangleFigure.java	org.jhotdraw.draw
9	0.80	549	ODGRectFigure.java	org.jhotdraw.samples.odg.figures
9	0.77	498	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.80	243	RectangleFigure.java	org.jhotdraw.draw
6	0.78	398	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.76	275	EllipseFigure.java	org.jhotdraw.draw
6	0.74	495	SVGRectFigure.java	org.jhotdraw.samples.svg.figures
1	0.26	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.25	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.10	50	GroupHandle.java	CH.ifa.draw.figures
1	0.09	201	URLTool.java	CH.ifa.draw.samples.javadraw

"pointd pointd", {*bound transform pointd rectangl width height set draw math kei geom*}



V	θ	Size	File	Package
11	1.00	157	DOMInput.java	org.jhotdraw.xml
11	1.00	185	DOMOutput.java	org.jhotdraw.xml
11	1.00	608	JavaxDOMInput.java	org.jhotdraw.xml
11	1.00	561	JavaxDOMOutput.java	org.jhotdraw.xml
7	1.00	146	DOMInput.java	org.jhotdraw.xml
7	1.00	181	DOMOutput.java	org.jhotdraw.xml
7	1.00	563	JavaxDOMOutput.java	org.jhotdraw.xml
7	1.00	553	NanoXMLDOMOutput.java	org.jhotdraw.xml
3	0.30	221	StorableOutput.java	CH.ifa.draw.util
3	0.09	54	OrderedFigureElement.java	CH.ifa.draw.standard
3	0.09	207	SVGStorageFormat.java	CH.ifa.draw.contrib
3	0.08	135	FigureEnumerator.java	CH.ifa.draw.standard

"open elem", {*elem attribut current add object write docum ioexcept tag xml factori*}

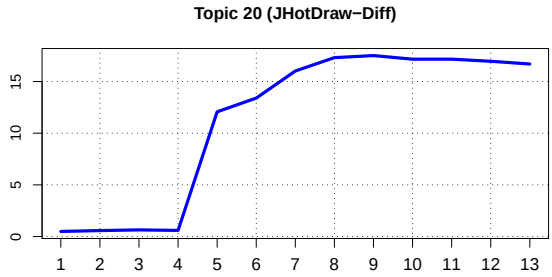
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
20	1.0441	0.1633
32	1.8051	1.6071
34	2.2441	0.0685

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
34	2.2441	0.0685
20	1.0441	0.1633
33	4.0939	0.1961

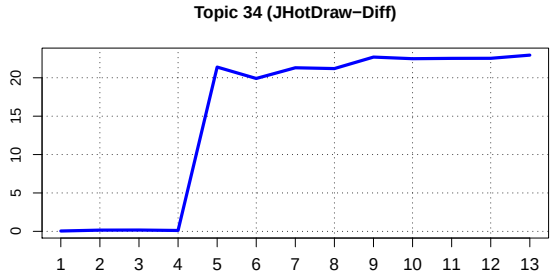
Best matching topic (Topic distance = 1.044, Evolution distance = 0.1633):



V	θ	Size	File	Package
9	0.94	191	DOMOutput.java	org.jhotdraw.xml
9	0.85	142	ODGDrawing.java	org.jhotdraw.samples.odg
9	0.85	479	NanoXMLDOMInput.java	org.jhotdraw.xml
9	0.85	156	DOMInput.java	org.jhotdraw.xml
6	0.98	181	DOMOutput.java	org.jhotdraw.xml
6	0.92	61	StyleManager.java	org.jhotdraw.xml.css
6	0.90	146	DOMInput.java	org.jhotdraw.xml
6	0.87	469	NanoXMLDOMInput.java	org.jhotdraw.xml
1	0.20	177	StorableInput.java	CH.ifa.draw.util
1	0.20	66	NumberTextFigure.java	CH.ifa.draw.figures
1	0.04	550	PolyLineFigure.java	CH.ifa.draw.figures
1	0.02	573	PertFigure.java	CH.ifa.draw.samples.pert

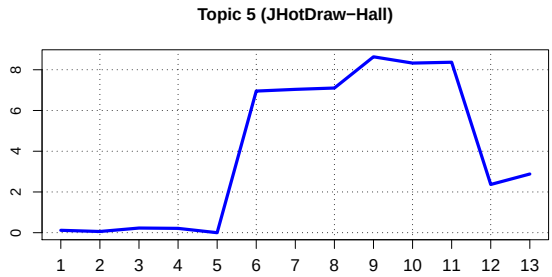
"open elem", {*elem attribut number read ioexcept str style current object text buf*}

Best matching topic evolution (Topic distance = 2.244, Evolution distance = 0.0685):



V	θ	Size	File	Package
13	1.00	128	IXMLParser.java	net.n3.nanoxml
13	1.00	1013	XMLUtil.java	net.n3.nanoxml
13	1.00	223	IXMLValidator.java	net.n3.nanoxml
13	1.00	842	NonValidator.java	net.n3.nanoxml
8	1.00	128	IXMLParser.java	net.n3.nanoxml
8	1.00	1013	XMLUtil.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
1	0.04	75	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"reader reader", {*code reader param elem attribut line except system read entiti xml*}



V	θ	Size	File	Package
9	1.00	939	LinearGradientPaintContext.java	org.apache.batik.ext.awt
9	1.00	2034	MultipleGradientPaintContext.java	org.apache.batik.ext.awt
9	0.94	466	MultipleGradientPaint.java	org.apache.batik.ext.awt
9	0.90	1040	RadialGradientPaint.java	org.apache.batik.ext.awt
12	0.62	370	RadialGradient.java	org.jhotdraw.samples.svg
12	0.49	425	LinearGradient.java	org.jhotdraw.samples.svg
12	0.47	218	PaletteButtonBorder.java	org.jhotdraw.gui.plaf.palette
12	0.40	182	PaletteTextComponentBorder.java	org.jhotdraw.gui.plaf.palette
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

"stop color", {*color gradient space paint focu fraction stop arrai linear rgb model*}

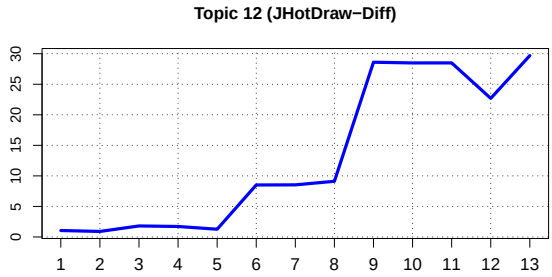
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
12	0.4621	4.2893
19	2.1728	3.0556
31	2.5267	2.2865

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
31	2.5267	2.2865
33	4.0924	2.2916
20	3.0176	2.3600

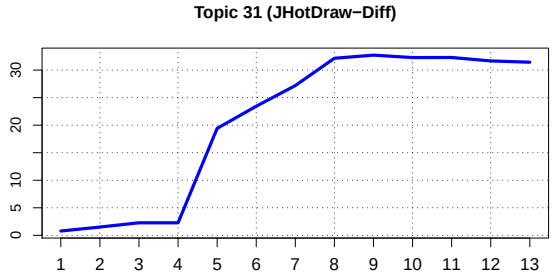
Best matching topic (Topic distance = 0.462, Evolution distance = 4.2893):



V	θ	Size	File	Package
13	1.00	296	QuantizingColorWheelImageProducer.java	org.jhotdraw.color
13	0.99	298	ColorSquareImageProducer.java	org.jhotdraw.color
13	0.99	294	PolarColorWheelImageProducer.java	org.jhotdraw.color
13	0.97	222	HSLHarmonicColorWheelImageProducer.java	org.jhotdraw.color
6	0.95	910	LinearGradientPaintContext.java	org.apache.batik.ext.awt
6	0.94	2031	MultipleGradientPaintContext.java	org.apache.batik.ext.awt
6	0.84	32	Colors.java	org.jhotdraw.draw.action
6	0.83	1167	RadialGradientPaintContext.java	org.apache.batik.ext.awt
2	0.53	189	ColorMap.java	CH.ifa.draw.util
2	0.12	209	StorableOutput.java	CH.ifa.draw.util
2	0.11	62	Filler.java	CH.ifa.draw.util
2	0.09	68	Animator.java	CH.ifa.draw.samples.javadraw

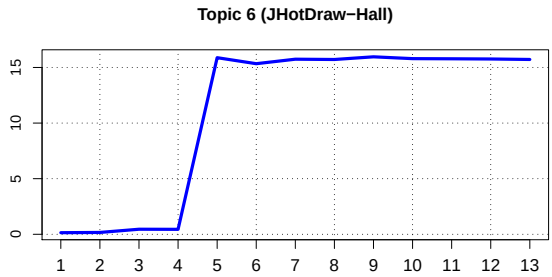
"color color", {*color gradient space index compon rgb model system min pixel red*}

Best matching topic evolution (Topic distance = 2.527, Evolution distance = 2.2865):



V	θ	Size	File	Package
9	0.84	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
9	0.83	231	RectangleFigure.java	org.jhotdraw.draw
9	0.80	549	ODGRectFigure.java	org.jhotdraw.samples.odg.figures
9	0.77	498	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.80	243	RectangleFigure.java	org.jhotdraw.draw
6	0.78	398	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.76	275	EllipseFigure.java	org.jhotdraw.draw
6	0.74	495	SVGRectFigure.java	org.jhotdraw.samples.svg.figures
1	0.26	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.25	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.10	50	GroupHandle.java	CH.ifa.draw.figures
1	0.09	201	URLTool.java	CH.ifa.draw.samples.javadraw

"pointd pointd", {*bound transform pointd rectangl width height set draw math kei geom*}



V	θ	Size	File	Package
9	1.00	77	IXMLEntityResolver.java	net.n3.nanoxml
9	1.00	223	IXMLValidator.java	net.n3.nanoxml
9	1.00	626	ValidatorPlugin.java	net.n3.nanoxml
9	1.00	325	XMLException.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	626	ValidatorPlugin.java	net.n3.nanoxml
8	1.00	325	XMLException.java	net.n3.nanoxml
1	0.12	177	StorableInput.java	CH.ifa.draw.util
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"reader reader", {*reader param system elem except entiti line data resolv read attribut*}

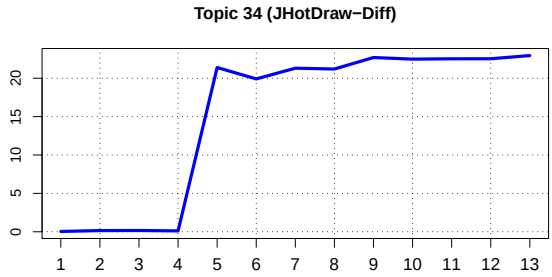
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
34	0.9238	0.0163
20	1.9906	0.1357
19	2.6811	0.4808

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
34	0.9238	0.0163
20	1.9906	0.1357
33	4.3977	0.1362

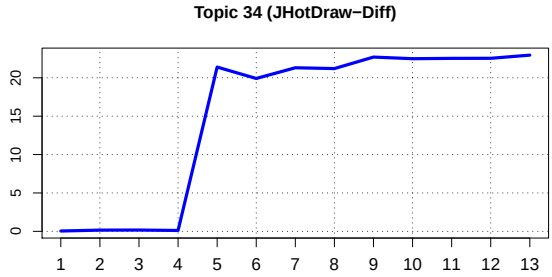
Best matching topic (Topic distance = 0.924, Evolution distance = 0.0163):



V	θ	Size	File	Package
13	1.00	128	IXMLParser.java	net.n3.nanoxml
13	1.00	1013	XMLUtil.java	net.n3.nanoxml
13	1.00	223	IXMLValidator.java	net.n3.nanoxml
13	1.00	842	NonValidator.java	net.n3.nanoxml
8	1.00	128	IXMLParser.java	net.n3.nanoxml
8	1.00	1013	XMLUtil.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
1	0.04	75	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

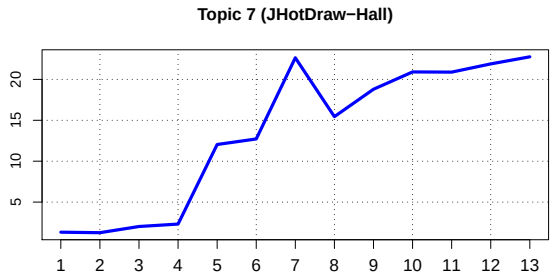
"reader reader", {*code reader param elem attribut line except system read entiti xml*}

Best matching topic evolution (Topic distance = 0.924, Evolution distance = 0.0163):



V	θ	Size	File	Package
13	1.00	128	IXMLParser.java	net.n3.nanoxml
13	1.00	1013	XMLUtil.java	net.n3.nanoxml
13	1.00	223	IXMLValidator.java	net.n3.nanoxml
13	1.00	842	NonValidator.java	net.n3.nanoxml
8	1.00	128	IXMLParser.java	net.n3.nanoxml
8	1.00	1013	XMLUtil.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
1	0.04	75	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"reader reader", {*code reader param elem attribut line except system read entiti xml*}



V	θ	Size	File	Package
13	0.95	313	AbstractBean.java	org.jhotdraw.beans
13	0.77	143	WeakPropertyChangeListener.java	org.jhotdraw.beans
13	0.71	208	ViewPropertyAction.java	org.jhotdraw.app.action.view
13	0.70	302	AbstractViewAction.java	org.jhotdraw.app.action
6	1.00	276	AbstractProjectAction.java	org.jhotdraw.app.action
6	1.00	71	ToggleVisibleAction.java	org.jhotdraw.app.action
6	1.00	152	AbstractBean.java	org.jhotdraw.beans
6	0.90	223	ToggleProjectPropertyAction.java	org.jhotdraw.app.action
2	0.18	203	PaletteButton.java	CH.ifa.draw.util
2	0.18	77	CommandChoice.java	CH.ifa.draw.util
2	0.16	258	CommandMenu.java	CH.ifa.draw.util
2	0.15	71	CommandButton.java	CH.ifa.draw.util

"properti chang", {*properti listen chang enabl event action handler updat evt state remov*}

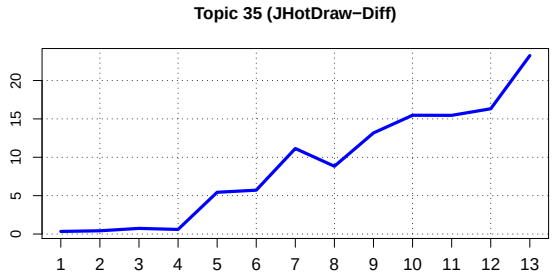
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
35	0.9532	0.7825
36	1.2211	1.1880
37	1.7451	0.5073

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
41	4.5758	0.1791
19	2.6236	0.1798
27	4.6025	0.2422

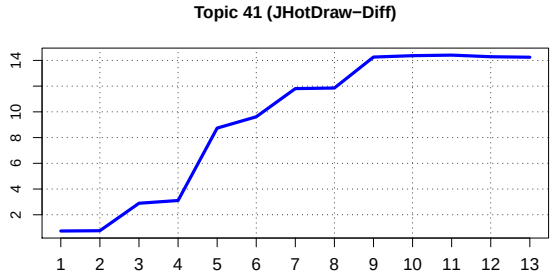
Best matching topic (Topic distance = 0.953, Evolution distance = 0.7825):



V	θ	Size	File	Package
13	0.56	208	ViewPropertyAction.java	org.jhotdraw.app.action.view
13	0.55	256	ToggleViewPropertyAction.java	org.jhotdraw.app.action.view
13	0.45	102	DisclosureIcon.java	org.jhotdraw.gui
13	0.42	290	PropertyChangeEdit.java	org.jhotdraw.beans
6	0.62	223	ToggleProjectPropertyAction.java	org.jhotdraw.app.action
6	0.59	184	ProjectPropertyAction.java	org.jhotdraw.app.action
6	0.46	71	ToggleVisibleAction.java	org.jhotdraw.app.action
6	0.38	152	AbstractBean.java	org.jhotdraw.beans
1	0.11	410	DecoratorFigure.java	CH.ifa.draw.standard
1	0.07	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.05	188	CustomToolBar.java	CH.ifa.draw.contrib
1	0.05	44	SimpleUpdateStrategy.java	CH.ifa.draw.standard

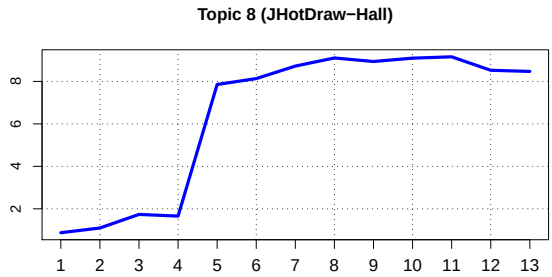
"properti chang", {*properti overrid handler compon select updat evt enabl state chang visibl*}

Best matching topic evolution (Topic distance = 4.576, Evolution distance = 0.1791):



V	θ	Size	File	Package
11	0.59	919	SVGConstants.java	org.jhotdraw.samples.svg
11	0.51	614	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
11	0.50	572	AbstractAttributedFigure.java	org.jhotdraw.draw
11	0.43	135	PickAttributesAction.java	org.jhotdraw.draw.action
6	0.64	701	SVGConstants.java	org.jhotdraw.samples.svg
6	0.57	156	AttributeKey.java	org.jhotdraw.draw
6	0.55	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.52	644	AbstractAttributedFigure.java	org.jhotdraw.draw
1	0.20	162	ColorMap.java	CH.ifa.draw.util
1	0.19	72	ChangeAttributeCommand.java	CH.ifa.draw.standard
1	0.12	252	FigureAttributes.java	CH.ifa.draw.figures
1	0.06	229	Iconkit.java	CH.ifa.draw.util

"map put", {*attribut map kei put set object hash entri basic valu link*}



V	θ	Size	File	Package
11	0.82	5944	ButtonFactory.java	org.jhotdraw.draw.action
11	0.81	673	ODGApplicationModel.java	org.jhotdraw.samples.odg
11	0.64	532	PertApplicationModel.java	org.jhotdraw.samples.pert
11	0.64	519	NetApplicationModel.java	org.jhotdraw.samples.net
6	0.93	698	SVGApplicationModel.java	org.jhotdraw.samples.svg
6	0.73	528	PertApplicationModel.java	org.jhotdraw.samples.pert
6	0.71	2981	ToolBarButtonFactory.java	org.jhotdraw.draw.action
6	0.66	509	NetApplicationModel.java	org.jhotdraw.samples.net
1	0.20	66	CommandButton.java	CH.ifa.draw.util
1	0.19	1189	DrawApplet.java	CH.ifa.draw.applet
1	0.13	133	PertApplication.java	CH.ifa.draw.samples.pert
1	0.11	174	ToolButton.java	CH.ifa.draw.standard

"attribut kei", {*button editor add attribut action label tool draw bar kei color*}

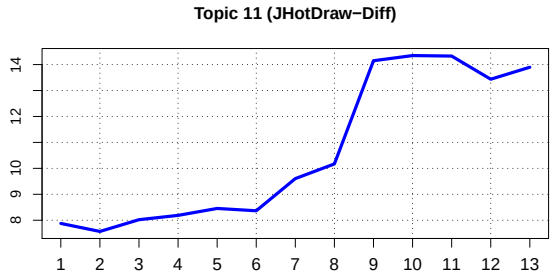
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
11	0.4240	1.1912
41	2.1061	0.1896
24	2.1969	0.9859

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
20	3.2857	0.1534
34	3.5152	0.1710
41	2.1061	0.1896

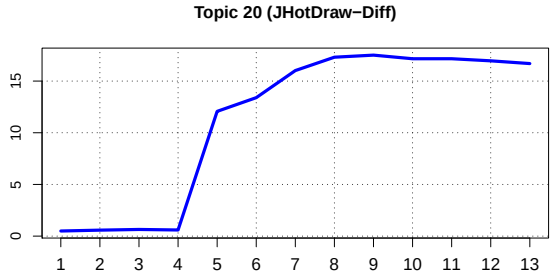
Best matching topic (Topic distance = 0.424, Evolution distance = 1.1912):



V	θ	Size	File	Package
10	0.72	459	DrawApplicationModel.java	org.jhotdraw.samples.draw
10	0.60	900	DrawingPanel.java	org.jhotdraw.samples.draw
10	0.60	673	ODGApplicationModel.java	org.jhotdraw.samples.odg
10	0.58	5944	ButtonFactory.java	org.jhotdraw.draw.action
5	0.79	443	DrawApplicationModel.java	org.jhotdraw.samples.draw
5	0.71	605	SVGApplicationModel.java	org.jhotdraw.samples.svg
5	0.64	2648	ToolBarButtonFactory.java	org.jhotdraw.draw.action
5	0.64	876	DrawingPanel.java	org.jhotdraw.samples.draw
2	0.82	156	NothingApplet.java	CH.ifa.draw.samples.nothing
2	0.79	355	JavaDrawApplet.java	CH.ifa.draw.samples.javadraw
2	0.69	197	NothingApp.java	CH.ifa.draw.samples.nothing
2	0.66	98	PertApplet.java	CH.ifa.draw.samples.pert

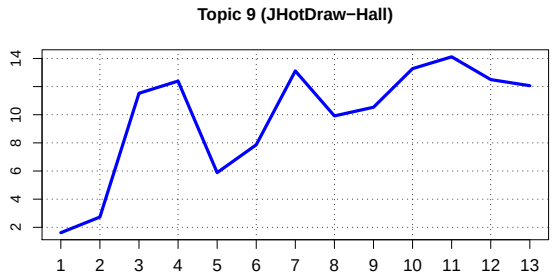
"tool bar", {*tool button add bar editor creat action popup draw label palett*}

Best matching topic evolution (Topic distance = 3.286, Evolution distance = 0.1534):



V	θ	Size	File	Package
9	0.94	191	DOMOutput.java	org.jhotdraw.xml
9	0.85	142	ODGDrawing.java	org.jhotdraw.samples.odg
9	0.85	479	NanoXMLDOMInput.java	org.jhotdraw.xml
9	0.85	156	DOMInput.java	org.jhotdraw.xml
6	0.98	181	DOMOutput.java	org.jhotdraw.xml
6	0.92	61	StyleManager.java	org.jhotdraw.xml.css
6	0.90	146	DOMInput.java	org.jhotdraw.xml
6	0.87	469	NanoXMLDOMInput.java	org.jhotdraw.xml
1	0.20	177	StorableInput.java	CH.ifa.draw.util
1	0.20	66	NumberTextFigure.java	CH.ifa.draw.figures
1	0.04	550	PolyLineFigure.java	CH.ifa.draw.figures
1	0.02	573	PertFigure.java	CH.ifa.draw.samples.pert

"open elem", {*elem attribut number read ioexcept str style current object text buf*}



V	θ	Size	File	Package
11	1.00	52	AbstractTransferable.java	org.jhotdraw.gui.datatransfer
11	1.00	162	XMLTransferable.java	org.jhotdraw.xml
11	0.96	167	CompositeTransferable.java	org.jhotdraw.gui.datatransfer
11	0.83	64	InputStreamTransferable.java	org.jhotdraw.gui.datatransfer
9	1.00	51	AbstractTransferable.java	org.jhotdraw.gui.datatransfer
9	1.00	162	XMLTransferable.java	org.jhotdraw.xml
9	0.95	167	CompositeTransferable.java	org.jhotdraw.gui.datatransfer
9	0.85	62	InputStreamTransferable.java	org.jhotdraw.gui.datatransfer
1	0.82	33	Clipboard.java	CH.ifa.draw.util
1	0.16	97	FigureTransferCommand.java	CH.ifa.draw.standard
1	0.15	92	PasteCommand.java	CH.ifa.draw.standard
1	0.13	46	CutCommand.java	CH.ifa.draw.standard

"suit add", {*flavor suit transfer data drag focu compon clipboard add drop target*}

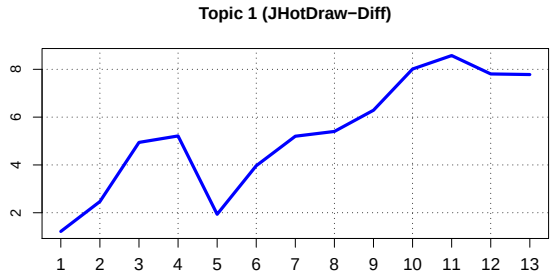
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
1	0.9590	0.3125
19	2.9360	1.5311
20	3.2582	2.2571

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
29	3.8904	0.2503
1	0.9590	0.3125
25	4.1743	0.3776

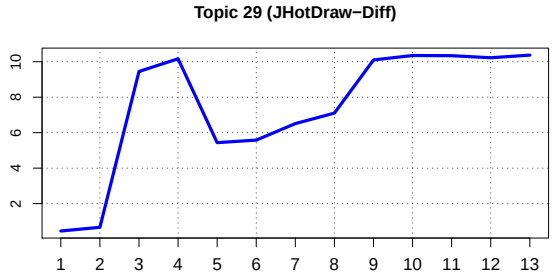
Best matching topic (Topic distance = 0.959, Evolution distance = 0.3125):



V	θ	Size	File	Package
11	0.92	52	AbstractTransferable.java	org.jhotdraw.gui.datatransfer
11	0.71	167	CompositeTransferable.java	org.jhotdraw.gui.datatransfer
11	0.66	162	XMLTransferable.java	org.jhotdraw.xml
11	0.65	64	InputStreamTransferable.java	org.jhotdraw.gui.datatransfer
7	0.77	84	InputStreamTransferable.java	org.jhotdraw.gui.datatransfer
7	0.76	68	ImageTransferable.java	org.jhotdraw.gui.datatransfer
7	0.69	157	CompositeTransferable.java	org.jhotdraw.gui.datatransfer
7	0.67	162	XMLTransferable.java	org.jhotdraw.xml
1	0.55	33	Clipboard.java	CH.ifa.draw.util
1	0.14	97	FigureTransferCommand.java	CH.ifa.draw.standard
1	0.10	41	CopyCommand.java	CH.ifa.draw.standard
1	0.09	136	PertDependency.java	CH.ifa.draw.samples.pert

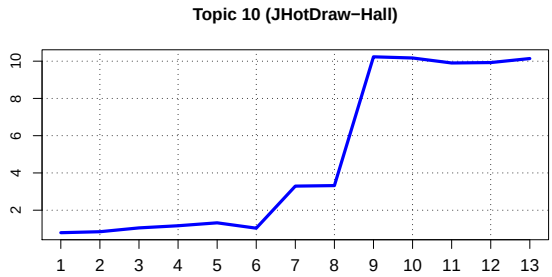
"data flavor", {*drag flavor drop data transfer sourc target listen clipboard gestur support*}

Best matching topic evolution (Topic distance = 3.890, Evolution distance = 0.2503):



V	θ	Size	File	Package
13	0.50	34	ReversedList.java	org.jhotdraw.util
13	0.46	323	FontCollectionNode.java	org.jhotdraw.gui.fontchooser
13	0.36	313	FontFamilyNode.java	org.jhotdraw.gui.fontchooser
13	0.32	19	DefaultODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.53	32	ReversedList.java	org.jhotdraw.util
8	0.29	14	ODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.27	512	QuadTreeDrawing.java	org.jhotdraw.draw
8	0.26	521	QuadTreeCompositeFigure.java	org.jhotdraw.draw
1	0.14	63	PolyLineLocator.java	CH.ifa.draw.figures
1	0.09	235	SelectionTool.java	CH.ifa.draw.standard
1	0.07	70	CommandChoice.java	CH.ifa.draw.util
1	0.06	352	StorageFormatManager.java	CH.ifa.draw.util

"collect factori", {*list collect iter util child factori creat add index remov jdk*}



V	θ	Size	File	Package
9	1.00	2229	HandleAttributeKeys.java	org.jhotdraw.draw
9	0.96	495	BoundsOutlineHandle.java	org.jhotdraw.draw
9	0.95	514	ConvexHullOutlineHandle.java	org.jhotdraw.samples.svg.figures
9	0.89	312	SVGPathOutlineHandle.java	org.jhotdraw.samples.svg.figures
5	0.35	112	ColorAttributeIcon.java	org.jhotdraw.draw.action
5	0.15	111	ChopEllipseConnector.java	org.jhotdraw.draw
5	0.14	594	AbstractHandle.java	org.jhotdraw.draw
5	0.13	466	SVGPath.java	org.jhotdraw.samples.svg.figures
1	0.40	218	AbstractLineDecoration.java	CH.ifa.draw.figures
1	0.16	50	GroupHandle.java	CH.ifa.draw.figures
1	0.15	307	AttributeFigure.java	CH.ifa.draw.figures
1	0.06	1189	DrawApplet.java	CH.ifa.draw.applet

"attribut kei", {*color stroke kei attribut handl bound fill transform shape bezier disabl*}

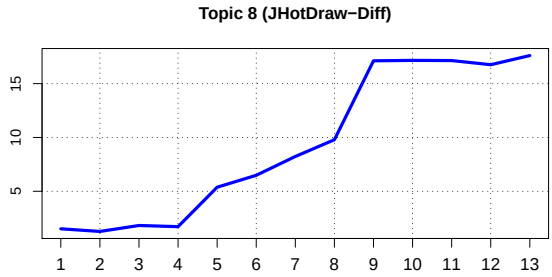
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
8	0.1776	0.4710
31	2.7428	2.2942
38	2.7841	4.4500

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
6	4.7267	0.1758
12	2.9612	0.2449
4	3.7449	0.2474

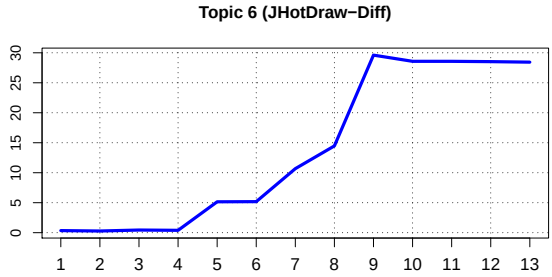
Best matching topic (Topic distance = 0.178, Evolution distance = 0.4710):



V	θ	Size	File	Package
13	0.99	2216	HandleAttributeKeys.java	org.jhotdraw.draw.handle
13	0.78	486	BoundsOutlineHandle.java	org.jhotdraw.draw.handle
13	0.72	351	SelectionOpacityIcon.java	org.jhotdraw.samples.svg.gui
13	0.72	327	DrawingOpacityIcon.java	org.jhotdraw.samples.svg.gui
6	0.55	278	SVGAttributeKeys.java	org.jhotdraw.samples.svg
6	0.49	1082	AttributeKeys.java	org.jhotdraw.draw
6	0.40	112	ColorAttributeIcon.java	org.jhotdraw.draw.action
6	0.37	271	AbstractLineDecoration.java	org.jhotdraw.draw
2	0.41	234	AbstractLineDecoration.java	CH.ifa.draw.figures
2	0.20	54	GroupHandle.java	CH.ifa.draw.figures
2	0.10	189	ColorMap.java	CH.ifa.draw.util
2	0.07	333	AttributeFigure.java	CH.ifa.draw.figures

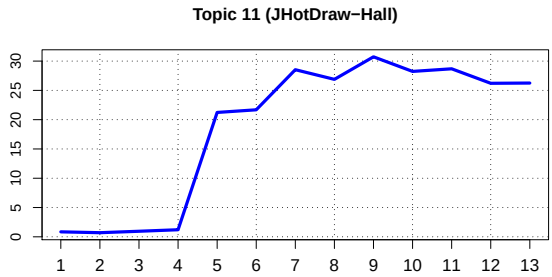
"color color", {*color stroke attribut kei fill handl bound bezier transform disabl basic*}

Best matching topic evolution (Topic distance = 4.727, Evolution distance = 0.1758):



V	θ	Size	File	Package
9	1.00	470	JAttributeSliderBeanInfo.java	org.jhotdraw.gui
9	1.00	465	ODGPropertiesPanelBeanInfo.java	org.jhotdraw.samples.odg
9	1.00	472	AbstractToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
9	1.00	475	AlignToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
6	1.00	459	SVGPanelBeanInfo.java	org.jhotdraw.samples.svg
6	0.99	463	DrawingPanelBeanInfo.java	org.jhotdraw.samples.draw
6	0.98	463	JPopupButtonBeanInfo.java	org.jhotdraw.draw.action
6	0.98	467	DefaultDrawingViewBeanInfo.java	org.jhotdraw.draw
2	0.15	269	ToolButton.java	CH.ifa.draw.standard
2	0.10	60	PaletteIcon.java	CH.ifa.draw.util
2	0.02	165	StandardVersionControlStrategy.java	CH.ifa.draw.util
2	NA	NA	NA	NA

"icon icon", {*icon descriptor bean properti event gen method color set imag mono*}



V	θ	Size	File	Package
9	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
9	0.97	30	LocaleUtil.java	org.jhotdraw.util
9	0.87	245	CompositeEdit.java	org.jhotdraw.undo
9	0.74	621	UndoRedoManager.java	org.jhotdraw.undo
6	1.00	20	NonUndoableEdit.java	org.jhotdraw.undo
6	1.00	30	LocaleUtil.java	org.jhotdraw.util
6	0.88	241	CompositeEdit.java	org.jhotdraw.undo
6	0.72	615	UndoRedoManager.java	org.jhotdraw.undo
2	0.23	71	CommandButton.java	CH.ifa.draw.util
2	0.20	66	ActionTool.java	CH.ifa.draw.standard
2	0.13	184	FloatingTextField.java	CH.ifa.draw.util
2	0.07	210	CustomToolBar.java	CH.ifa.draw.contrib

"undoabl edit", {*action edit undo label redo util bundl chang undoabl resourc event*}

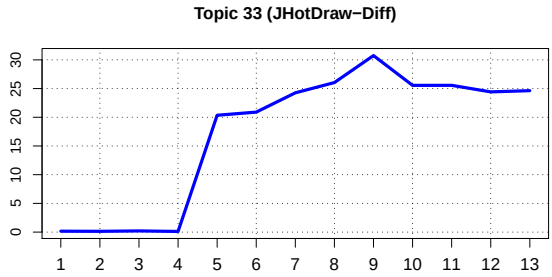
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
33	1.1590	0.0332
37	2.0939	0.4440
24	2.9355	0.7235

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
20	3.8836	0.0301
33	1.1590	0.0332
31	4.4732	0.0841

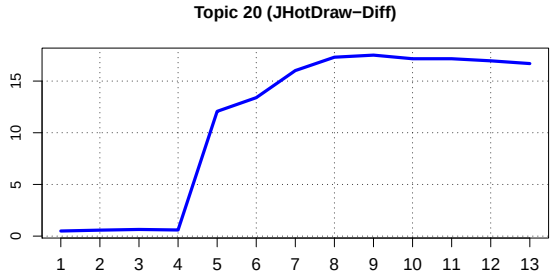
Best matching topic (Topic distance = 1.159, Evolution distance = 0.0332):



V	θ	Size	File	Package
9	0.96	78	GeometryEdit.java	org.jhotdraw.draw
9	0.96	146	SVGRectRadiusUndoableEdit.java	org.jhotdraw.samples.svg.figures
9	0.90	20	NonUndoableEdit.java	org.jhotdraw.undo
9	0.89	110	RestoreDataEdit.java	org.jhotdraw.draw
6	0.95	63	GeometryEdit.java	org.jhotdraw.draw
6	0.92	106	RestoreDataEdit.java	org.jhotdraw.draw
6	0.90	20	NonUndoableEdit.java	org.jhotdraw.undo
6	0.80	241	CompositeEdit.java	org.jhotdraw.undo
4	0.04	211	CustomToolBar.java	org.jhotdraw.contrib
4	NA	NA	NA	NA
4	NA	NA	NA	NA
4	NA	NA	NA	NA

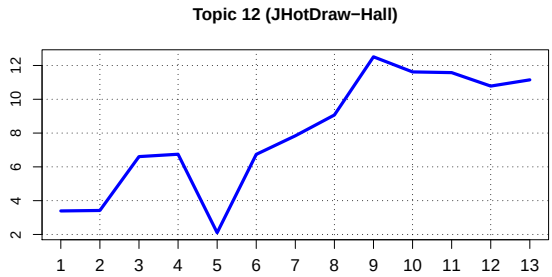
"undoabl edit", {*edit chang undoabl undo figur fire owner label draw util bundl*}

Best matching topic evolution (Topic distance = 3.884, Evolution distance = 0.0301):



V	θ	Size	File	Package
9	0.94	191	DOMOutput.java	org.jhotdraw.xml
9	0.85	142	ODGDrawing.java	org.jhotdraw.samples.odg
9	0.85	479	NanoXMLDOMInput.java	org.jhotdraw.xml
9	0.85	156	DOMInput.java	org.jhotdraw.xml
6	0.98	181	DOMOutput.java	org.jhotdraw.xml
6	0.92	61	StyleManager.java	org.jhotdraw.xml.css
6	0.90	146	DOMInput.java	org.jhotdraw.xml
6	0.87	469	NanoXMLDOMInput.java	org.jhotdraw.xml
1	0.20	177	StorableInput.java	CH.ifa.draw.util
1	0.20	66	NumberTextFigure.java	CH.ifa.draw.figures
1	0.04	550	PolyLineFigure.java	CH.ifa.draw.figures
1	0.02	573	PertFigure.java	CH.ifa.draw.samples.pert

"open elem", {*elem attribut number read ioexcept str style current object text buf*}



V	θ	Size	File	Package
9	0.93	304	`Images.java`	`org.jhotdraw.util`
9	0.92	414	`Images.java`	`org.jhotdraw.gui.plaf.palette`
9	0.91	350	`DrawingPageable.java`	`org.jhotdraw.draw`
9	0.64	108	`ImageHolderFigure.java`	`org.jhotdraw.draw`
4	0.67	129	`DoubleBufferImage.java`	`org.jhotdraw.contrib.zoom`
4	0.67	221	`FastBufferedUpdateStrategy.java`	`org.jhotdraw.standard`
4	0.58	102	`ZoomUpdateStrategy.java`	`org.jhotdraw.contrib.zoom`
4	0.50	925	`ScalingGraphics.java`	`org.jhotdraw.contrib.zoom`
5	0.47	654	`ImageBevelBorder.java`	`org.jhotdraw.quaqua`
5	0.30	67	`StrokeIcon.java`	`org.jhotdraw.draw.action`
5	0.29	120	`ColorIcon.java`	`org.jhotdraw.draw.action`
5	0.28	112	`ColorAttributeIcon.java`	`org.jhotdraw.draw.action`

"buffer imag", {*imag buffer draw render width height hint set data scale paint*}

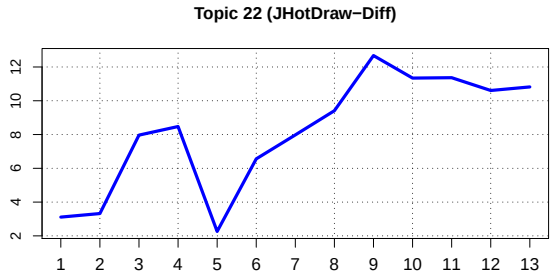
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
22	0.3392	0.0471
12	2.2406	2.2935
31	2.3344	1.3112

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
22	0.3392	0.0471
43	5.0351	0.1239
32	4.3528	0.1587

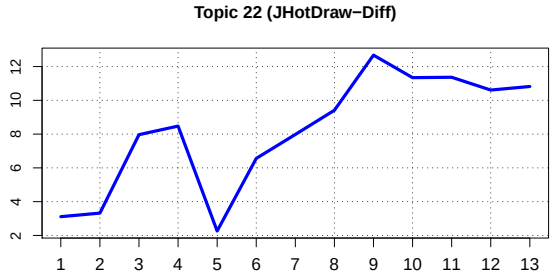
Best matching topic (Topic distance = 0.339, Evolution distance = 0.0471):



V	θ	Size	File	Package
9	0.80	414	`Images.java`	`org.jhotdraw.gui.plaf.palette`
9	0.73	304	`Images.java`	`org.jhotdraw.util`
9	0.71	350	`DrawingPageable.java`	`org.jhotdraw.draw`
9	0.56	108	`ImageHolderFigure.java`	`org.jhotdraw.draw`
7	0.71	350	`DrawingPageable.java`	`org.jhotdraw.draw`
7	0.55	682	`ImageOutputFormat.java`	`org.jhotdraw.draw`
7	0.47	62	`ImageHolderFigure.java`	`org.jhotdraw.draw`
7	0.42	19	`Options.java`	`org.jhotdraw.draw`
5	0.42	19	`Options.java`	`org.jhotdraw.draw`
5	0.36	654	`ImageBevelBorder.java`	`org.jhotdraw.quaqua`
5	0.27	116	`ZoomEditorAction.java`	`org.jhotdraw.draw.action`
5	0.26	89	`ZoomAction.java`	`org.jhotdraw.draw.action`

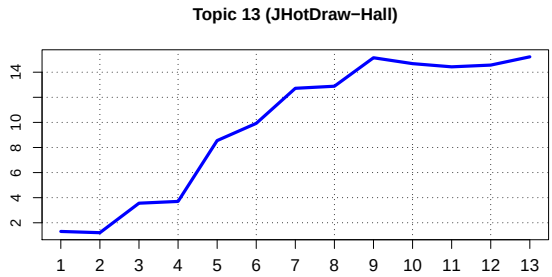
"buffer imag", {*imag draw scale buffer width height render graphic set hint zoom*}

Best matching topic evolution (Topic distance = 0.339, Evolution distance = 0.0471):



V	θ	Size	File	Package
9	0.80	414	`Images.java`	`org.jhotdraw.gui.plaf.palette`
9	0.73	304	`Images.java`	`org.jhotdraw.util`
9	0.71	350	`DrawingPageable.java`	`org.jhotdraw.draw`
9	0.56	108	`ImageHolderFigure.java`	`org.jhotdraw.draw`
7	0.71	350	`DrawingPageable.java`	`org.jhotdraw.draw`
7	0.55	682	`ImageOutputFormat.java`	`org.jhotdraw.draw`
7	0.47	62	`ImageHolderFigure.java`	`org.jhotdraw.draw`
7	0.42	19	`Options.java`	`org.jhotdraw.draw`
5	0.42	19	`Options.java`	`org.jhotdraw.draw`
5	0.36	654	`ImageBevelBorder.java`	`org.jhotdraw.quaqua`
5	0.27	116	`ZoomEditorAction.java`	`org.jhotdraw.draw.action`
5	0.26	89	`ZoomAction.java`	`org.jhotdraw.draw.action`

"buffer imag", {*imag draw scale buffer width height render graphic set hint zoom*}



V	θ	Size	File	Package
13	0.69	585	AbstractAttributedFigure.java	org.jhotdraw.draw
13	0.65	615	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
13	0.62	130	PickAttributesAction.java	org.jhotdraw.draw.action
13	0.59	370	AttributeAction.java	org.jhotdraw.draw.action
6	0.85	156	AttributeKey.java	org.jhotdraw.draw
6	0.70	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.69	644	AbstractAttributedFigure.java	org.jhotdraw.draw
6	0.50	217	AttributeAction.java	org.jhotdraw.draw.action
2	0.31	333	AttributeFigure.java	CH.ifa.draw.figures
2	0.22	294	ChangeAttributeCommand.java	CH.ifa.draw.standard
2	0.22	296	FigureAttributes.java	CH.ifa.draw.figures
2	0.18	189	ColorMap.java	CH.ifa.draw.util

"attribut kei", {*attribut kei set figur object map entri draw hash restor put*}

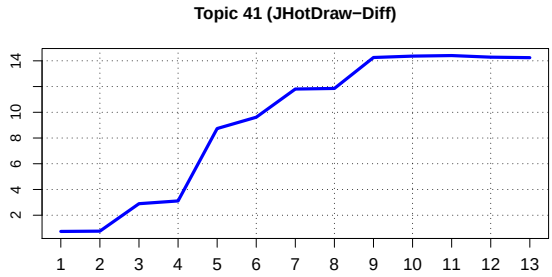
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
41	0.4495	0.0169
44	2.0657	2.0183
8	3.1847	0.6060

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
41	0.4495	0.0169
19	3.2326	0.0699
31	3.4885	0.1432

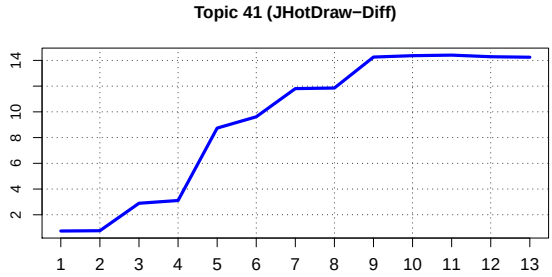
Best matching topic (Topic distance = 0.449, Evolution distance = 0.0169):



V	θ	Size	File	Package
11	0.59	919	SVGConstants.java	org.jhotdraw.samples.svg
11	0.51	614	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
11	0.50	572	AbstractAttributedFigure.java	org.jhotdraw.draw
11	0.43	135	PickAttributesAction.java	org.jhotdraw.draw.action
6	0.64	701	SVGConstants.java	org.jhotdraw.samples.svg
6	0.57	156	AttributeKey.java	org.jhotdraw.draw
6	0.55	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.52	644	AbstractAttributedFigure.java	org.jhotdraw.draw
1	0.20	162	ColorMap.java	CH.ifa.draw.util
1	0.19	72	ChangeAttributeCommand.java	CH.ifa.draw.standard
1	0.12	252	FigureAttributes.java	CH.ifa.draw.figures
1	0.06	229	Iconkit.java	CH.ifa.draw.util

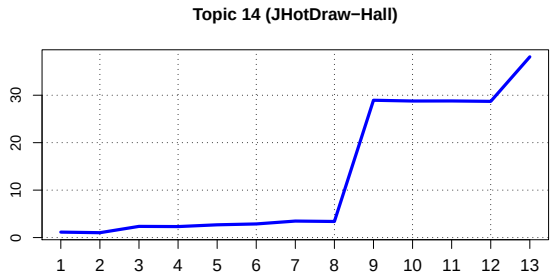
"map put", {*attribut map kei put set object hash entri basic valu link*}

Best matching topic evolution (Topic distance = 0.449, Evolution distance = 0.0169):



V	θ	Size	File	Package
11	0.59	919	SVGConstants.java	org.jhotdraw.samples.svg
11	0.51	614	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
11	0.50	572	AbstractAttributedFigure.java	org.jhotdraw.draw
11	0.43	135	PickAttributesAction.java	org.jhotdraw.draw.action
6	0.64	701	SVGConstants.java	org.jhotdraw.samples.svg
6	0.57	156	AttributeKey.java	org.jhotdraw.draw
6	0.55	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.52	644	AbstractAttributedFigure.java	org.jhotdraw.draw
1	0.20	162	ColorMap.java	CH.ifa.draw.util
1	0.19	72	ChangeAttributeCommand.java	CH.ifa.draw.standard
1	0.12	252	FigureAttributes.java	CH.ifa.draw.figures
1	0.06	229	Iconkit.java	CH.ifa.draw.util

"map put", {*attribut map kei put set object hash entri basic valu link*}



V	θ	Size	File	Package
13	1.00	38	AbstractHarmonicRule.java	org.jhotdraw.color
13	1.00	32	HarmonicRule.java	org.jhotdraw.color
13	0.95	129	PaletteColorSliderModel.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	210	HSLPhysiologicColorSpace.java	org.jhotdraw.color
6	0.88	32	Colors.java	org.jhotdraw.draw.action
6	0.48	120	ColorIcon.java	org.jhotdraw.draw.action
6	0.40	67	StrokeIcon.java	org.jhotdraw.draw.action
6	0.39	176	ColorChooserAction.java	org.jhotdraw.draw.action
2	0.60	189	ColorMap.java	CH.ifa.draw.util
2	0.10	69	PolyLineLocator.java	CH.ifa.draw.figures
2	0.07	296	FigureAttributes.java	CH.ifa.draw.figures
2	0.07	191	BorderDecorator.java	CH.ifa.draw.figures

"color chooser", {*color compon slider index icon model space system rgb chooser track*}

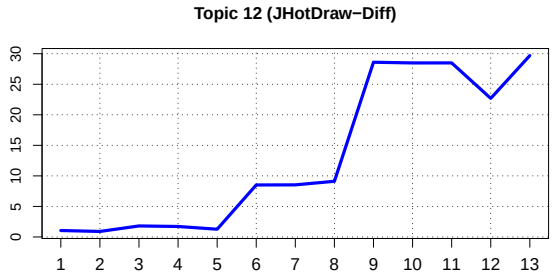
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
12	1.0934	0.6536
4	3.0025	0.3328
16	3.1428	6.9779

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
4	3.0025	0.3328
12	1.0934	0.6536
6	3.5752	1.0016

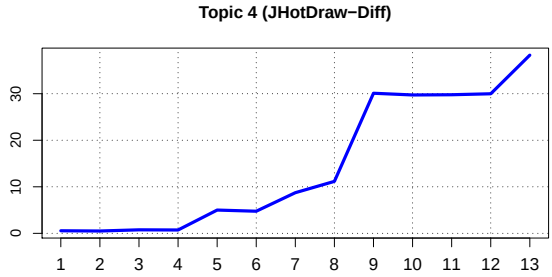
Best matching topic (Topic distance = 1.093, Evolution distance = 0.6536):



V	θ	Size	File	Package
13	1.00	296	QuantizingColorWheelImageProducer.java	org.jhotdraw.color
13	0.99	298	ColorSquareImageProducer.java	org.jhotdraw.color
13	0.99	294	PolarColorWheelImageProducer.java	org.jhotdraw.color
13	0.97	222	HSLHarmonicColorWheelImageProducer.java	org.jhotdraw.color
6	0.95	910	LinearGradientPaintContext.java	org.apache.batik.ext.awt
6	0.94	2031	MultipleGradientPaintContext.java	org.apache.batik.ext.awt
6	0.84	32	Colors.java	org.jhotdraw.draw.action
6	0.83	1167	RadialGradientPaintContext.java	org.apache.batik.ext.awt
2	0.53	189	ColorMap.java	CH.ifa.draw.util
2	0.12	209	StorableOutput.java	CH.ifa.draw.util
2	0.11	62	Filler.java	CH.ifa.draw.util
2	0.09	68	Animator.java	CH.ifa.draw.samples.javadraw

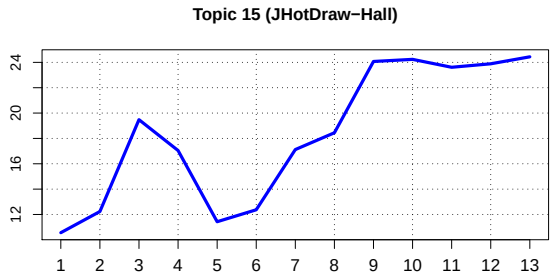
"color color", {*color gradient space index compon rgb model system min pixel red*}

Best matching topic evolution (Topic distance = 3.003, Evolution distance = 0.3328):



V	θ	Size	File	Package
13	0.95	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	1860	PaletteCMYKChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.94	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.89	3017	JMixer.java	org.jhotdraw.samples.color
5	0.42	707	NetProject.java	org.jhotdraw.samples.net
5	0.40	678	PertProject.java	org.jhotdraw.samples.pert
5	0.40	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.36	600	DrawProject.java	org.jhotdraw.samples.draw
2	0.25	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.24	68	GridConstrainer.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"javax swing", {*set grid field bag constraint swing javax label panel awt slider*}



V	θ	Size	File	Package
13	0.67	94	DrawingAttributeEditorHandler.java	org.jhotdraw.draw.event
13	0.66	64	SelectSameAction.java	org.jhotdraw.draw.action
13	0.57	226	SelectionComponentRepainter.java	org.jhotdraw.draw.event
13	0.56	142	FigureAttributeEditorHandler.java	org.jhotdraw.draw.event
7	0.64	45	FigureSelectionEvent.java	org.jhotdraw.draw
7	0.58	116	ZoomEditorAction.java	org.jhotdraw.draw.action
7	0.58	118	ToggleGridAction.java	org.jhotdraw.draw.action
7	0.48	71	SelectSameAction.java	org.jhotdraw.draw.action
1	0.39	80	GroupCommand.java	CH.ifa.draw.figures
1	0.39	80	DrawingEditor.java	CH.ifa.draw.framework
1	0.38	81	UngroupCommand.java	CH.ifa.draw.figures
1	0.38	97	FigureTransferCommand.java	CH.ifa.draw.standard

"draw view", {*view draw editor select constrain figur activ set add creat scale*}

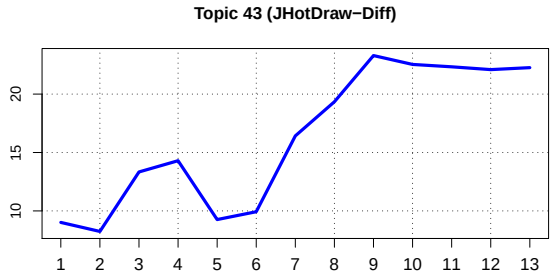
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
43	0.2178	0.0957
9	2.4163	1.0002
44	2.7148	0.3031

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
25	4.6817	0.0638
32	4.6687	0.0855
43	0.2178	0.0957

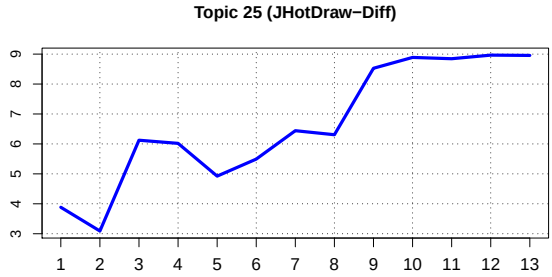
Best matching topic (Topic distance = 0.218, Evolution distance = 0.0957):



V	θ	Size	File	Package
9	0.53	88	DrawingAttributeEditorHandler.java	org.jhotdraw.gui
9	0.49	188	DrawingComponentRepainter.java	org.jhotdraw.samples.svg.gui
9	0.49	217	SelectionComponentRepainter.java	org.jhotdraw.draw.action
9	0.48	210	AbstractDrawingViewAction.java	org.jhotdraw.draw.action
4	0.73	116	DesktopEvent.java	org.jhotdraw.contrib
4	0.56	62	ViewChangeListener.java	org.jhotdraw.framework
4	0.46	24	FigureSelectionListener.java	org.jhotdraw.framework
4	0.42	73	Helper.java	org.jhotdraw.contrib
2	0.53	77	ViewChangeListener.java	CH.ifa.draw.framework
2	0.46	26	FigureSelectionListener.java	CH.ifa.draw.framework
2	0.35	122	DrawingEditor.java	CH.ifa.draw.framework
2	0.30	61	CopyCommand.java	CH.ifa.draw.standard

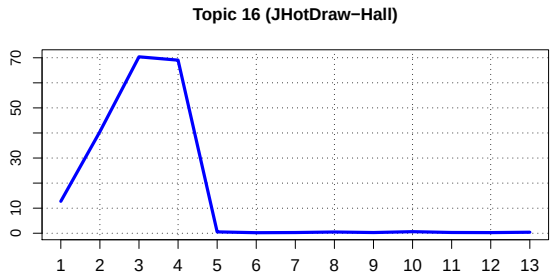
"draw view", {*view draw editor select activ set add creat updat manag interact*}

Best matching topic evolution (Topic distance = 4.682, Evolution distance = 0.0638):



V	θ	Size	File	Package
12	0.68	416	TextAreaEditingTool.java	org.jhotdraw.draw.tool
12	0.61	436	FloatingTextArea.java	org.jhotdraw.draw.text
12	0.59	397	TextEditingTool.java	org.jhotdraw.draw.tool
12	0.52	659	TextAreaCreationTool.java	org.jhotdraw.draw.tool
3	0.62	104	TextHolder.java	CH.ifa.draw.standard
3	0.57	187	FloatingTextField.java	CH.ifa.draw.util
3	0.51	966	TextAreaTool.java	CH.ifa.draw.contrib
3	0.51	724	TextTool.java	CH.ifa.draw.figures
2	0.62	73	TextHolder.java	CH.ifa.draw.standard
2	0.58	184	FloatingTextField.java	CH.ifa.draw.util
2	0.52	627	TextTool.java	CH.ifa.draw.figures
2	0.41	222	URLTool.java	CH.ifa.draw.samples.javadraw

"text area", {*text figur holder area edit set field type creat overlai target*}



V	θ	Size	File	Package
3	1.00	222	UndoRedoActivity.java	CH.ifa.draw.util
3	1.00	71	Undoable.java	CH.ifa.draw.util
3	0.96	412	UndoManager.java	CH.ifa.draw.util
3	0.93	42	IteratorWrapper.java	CH.ifa.draw.util.collections.jdk11
13	0.18	77	StyleManager.java	org.jhotdraw.xml.css
13	0.08	115	DrawingComponent.java	org.jhotdraw.samples.svg.gui
13	0.04	25	URIUtil.java	org.jhotdraw.net
13	0.03	239	PaletteListCellRenderer.java	org.jhotdraw.gui.plaf.palette
6	0.13	47	EditableComponent.java	org.jhotdraw.app
6	0.05	347	ConnectionHandle.java	org.jhotdraw.draw
6	0.03	32	ReversedList.java	org.jhotdraw.util
6	NA	NA	NA	NA

"undo activ", {*public command return undo activ figur set undoabl protect draw enumer*}

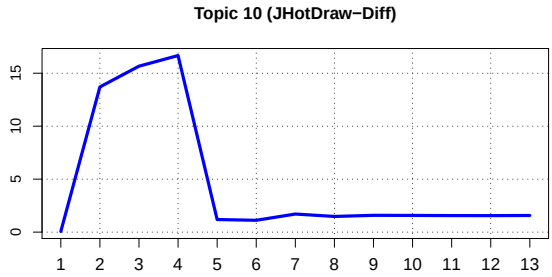
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
10	0.7430	2.3746
2	0.8753	0.4136
17	2.3178	2.0104

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
2	0.8753	0.4136
17	2.3178	2.0104
10	0.7430	2.3746

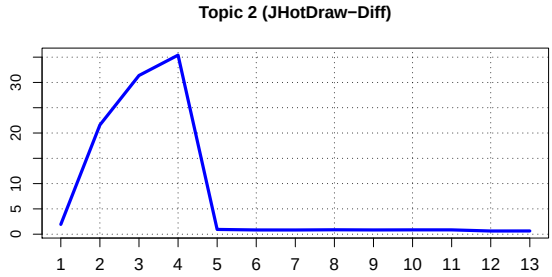
Best matching topic (Topic distance = 0.743, Evolution distance = 2.3746):



V	θ	Size	File	Package
4	0.86	218	UndoRedoActivity.java	org.jhotdraw.util
4	0.64	120	UndoCommand.java	org.jhotdraw.util
4	0.61	408	UndoManager.java	org.jhotdraw.util
4	0.60	100	RedoCommand.java	org.jhotdraw.util
11	0.22	590	UndoRedoManager.java	org.jhotdraw.undo
11	0.12	186	RedoAction.java	org.jhotdraw.app.action
11	0.11	187	UndoAction.java	org.jhotdraw.app.action
11	0.09	21	NonUndoableEdit.java	org.jhotdraw.undo
1	0.04	52	Command.java	CH.ifa.draw.util
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

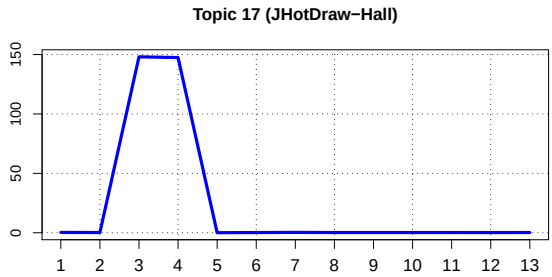
"undo activ", {*undo activ undoabl view set redo affect draw get util enumer*}

Best matching topic evolution (Topic distance = 0.875, Evolution distance = 0.4136):



V	θ	Size	File	Package
4	0.44	89	SetWrapper.java	org.jhotdraw.util.collections.jdk11
4	0.38	26	FigureVisitor.java	org.jhotdraw.framework
4	0.38	94	MapWrapper.java	org.jhotdraw.util.collections.jdk11
4	0.36	67	HandleAndEnumerator.java	org.jhotdraw.standard
11	0.09	42	EditableComponent.java	org.jhotdraw.app
11	0.09	45	DOMFactory.java	org.jhotdraw.xml
11	0.07	566	DoubleStroke.java	org.jhotdraw.geom
11	0.07	90	PerpendicularBar.java	org.jhotdraw.draw
12	0.09	45	DOMFactory.java	org.jhotdraw.xml
12	0.07	554	DoubleStroke.java	org.jhotdraw.geom
12	0.06	65	Main.java	org.jhotdraw.samples.teddy
12	0.06	157	SheetEvent.java	org.jhotdraw.gui.event

"return public", {*public return privat current protect els super standard set framework int*}



V	θ	Size	File	Package
3	1.00	314	SimpleUpdateStrategyTest.java	CH.ifa.draw.test.standard
3	0.95	422	BouncingDrawingTest.java	CH.ifa.draw.test.samples.javadra
3	0.95	274	NothingAppTest.java	CH.ifa.draw.test.samples.nothing
3	0.95	318	StandardVersionControlStrategyTest.java	CH.ifa.draw.test.util
11	0.15	1497	BezierPathTest.java	org.jhotdraw.geom
11	0.03	101	ClipboardUtil.java	org.jhotdraw.gui.datatransfer
11	NA	NA	NA	NA
11	NA	NA	NA	NA
5	0.02	46	ListFigure.java	org.jhotdraw.draw
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

"junit doclet begin", {*test junit method doclet begin end javadoc except testcas instanc draw*}

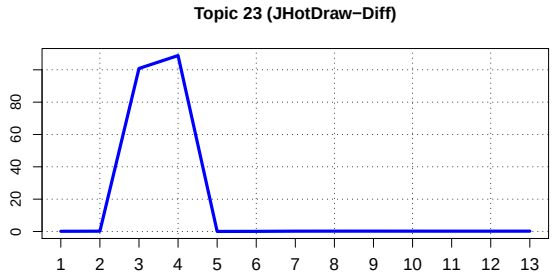
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
23	0.0685	0.0796
7	0.1575	0.0131
15	2.6617	26.1244

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
7	0.1575	0.0131
23	0.0685	0.0796
42	2.7415	0.3354

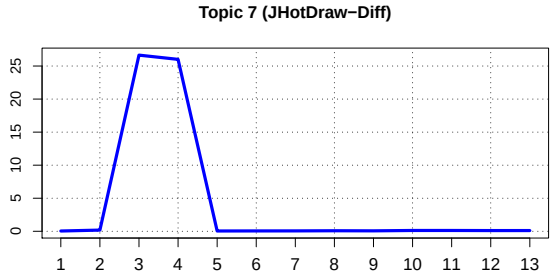
Best matching topic (Topic distance = 0.069, Evolution distance = 0.0796):



V	θ	Size	File	Package
4	0.95	260	NothingAppTest.java	org.jhotdraw.test.samples.nothing
4	0.93	233	NothingAppletTest.java	org.jhotdraw.test.samples.nothing
4	0.93	280	HelperTest.java	org.jhotdraw.test.contrib
4	0.91	269	PeripheralLocatorTest.java	org.jhotdraw.test.standard
7	0.04	50	FigureAdapter.java	org.jhotdraw.draw
7	0.04	56	Shapes.java	org.jhotdraw.geom
7	0.03	1496	BezierPathTest.java	org.jhotdraw.geom
7	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA

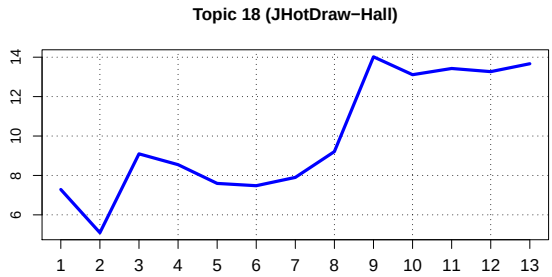
"method test", {*junit doclet method test end begin javadoc testcas instanc except vault*}

Best matching topic evolution (Topic distance = 0.157, Evolution distance = 0.0131):



V	θ	Size	File	Package
3	0.72	1520	BoundsTest.java	CH.ifa.draw.test.util
3	0.65	1482	PolygonFigureTest.java	CH.ifa.draw.test.contrib
3	0.64	1485	LineConnectionTest.java	CH.ifa.draw.test.figures
3	0.62	1171	GeomTest.java	CH.ifa.draw.test.util
8	0.02	44	XMLParseException.java	net.n3.nanoxml
8	0.02	198	JIntegerTextField.java	org.jhotdraw.gui
8	NA	NA	NA	NA
8	NA	NA	NA	NA
1	0.03	33	Clipboard.java	CH.ifa.draw.util
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"method test", {*method doclet junit test end begin javadoc except public set util*}



V	θ	Size	File	Package
9	1.00	13	DragTracker.java	org.jhotdraw.draw
9	1.00	11	SelectAreaTracker.java	org.jhotdraw.draw
9	0.95	19	HandleTracker.java	org.jhotdraw.draw
9	0.94	503	DefaultHandleTracker.java	org.jhotdraw.draw
4	0.59	328	SelectionTool.java	org.jhotdraw.standard
4	0.57	132	ZoomTool.java	org.jhotdraw.contrib.zoom
4	0.55	89	HandleTracker.java	org.jhotdraw.standard
4	0.54	366	DragTracker.java	org.jhotdraw.standard
2	0.66	90	HandleTracker.java	CH.ifa.draw.standard
2	0.57	287	SelectionTool.java	CH.ifa.draw.standard
2	0.56	52	PopupMenuFigureSelection.java	CH.ifa.draw.contrib
2	0.50	143	SelectAreaTracker.java	CH.ifa.draw.standard

"mous motion", {*handl select figur mous view draw event evt tool area tracker*}

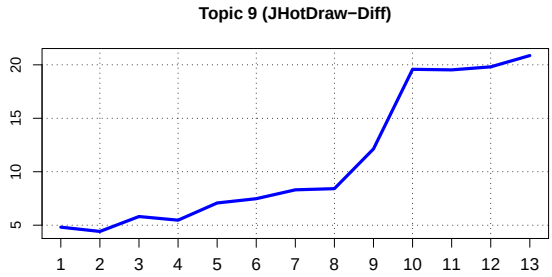
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
9	0.6951	0.8223
39	1.3442	2.1429
43	1.7192	0.1293

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
25	4.1126	0.0478
11	2.6424	0.0616
32	4.1469	0.0744

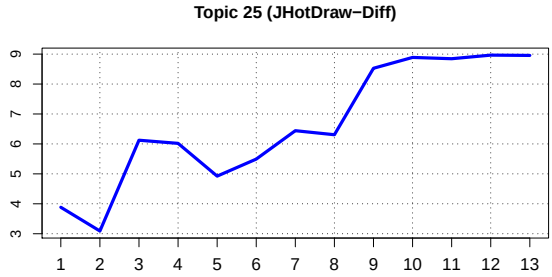
Best matching topic (Topic distance = 0.695, Evolution distance = 0.8223):



V	θ	Size	File	Package
13	1.00	56	HandleTracker.java	org.jhotdraw.draw.tool
13	1.00	46	SelectAreaTracker.java	org.jhotdraw.draw.tool
13	0.78	83	DragTracker.java	org.jhotdraw.draw.tool
13	0.65	80	HandleListener.java	org.jhotdraw.draw.event
6	0.59	39	HandleListener.java	org.jhotdraw.draw
6	0.57	21	FigureSelectionListener.java	org.jhotdraw.draw
6	0.57	144	SelectAreaTracker.java	org.jhotdraw.draw
6	0.48	357	SelectionTool.java	org.jhotdraw.draw
2	0.41	54	PointConstrainer.java	CH.ifa.draw.framework
2	0.37	567	DrawingView.java	CH.ifa.draw.framework
2	0.34	669	NullDrawingView.java	CH.ifa.draw.standard
2	0.33	1697	StandardDrawingView.java	CH.ifa.draw.standard

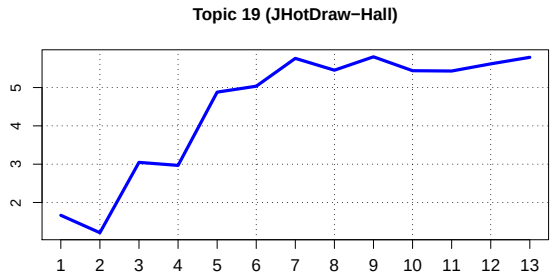
"handl handl", {*select handl draw link constrain area view tracker kei evt point*}

Best matching topic evolution (Topic distance = 4.113, Evolution distance = 0.0478):



V	θ	Size	File	Package
12	0.68	416	TextAreaEditingTool.java	org.jhotdraw.draw.tool
12	0.61	436	FloatingTextArea.java	org.jhotdraw.draw.text
12	0.59	397	TextEditingTool.java	org.jhotdraw.draw.tool
12	0.52	659	TextAreaCreationTool.java	org.jhotdraw.draw.tool
3	0.62	104	TextHolder.java	CH.ifa.draw.standard
3	0.57	187	FloatingTextField.java	CH.ifa.draw.util
3	0.51	966	TextAreaTool.java	CH.ifa.draw.contrib
3	0.51	724	TextTool.java	CH.ifa.draw.figures
2	0.62	73	TextHolder.java	CH.ifa.draw.standard
2	0.58	184	FloatingTextField.java	CH.ifa.draw.util
2	0.52	627	TextTool.java	CH.ifa.draw.figures
2	0.41	222	URLTool.java	CH.ifa.draw.samples.javadraw

"text area", {*text figur holder area edit set field type creat overlai target*}



V	θ	Size	File	Package
9	1.00	648	IXMLElement.java	net.n3.nanoxml
9	1.00	1293	XMLElement.java	net.n3.nanoxml
9	0.99	67	XMLAttribute.java	net.n3.nanoxml
9	0.55	441	StdXMLBuilder.java	net.n3.nanoxml
6	1.00	648	IXMLElement.java	net.n3.nanoxml
6	1.00	67	XMLAttribute.java	net.n3.nanoxml
6	1.00	1290	XMLElement.java	net.n3.nanoxml
6	0.56	438	StdXMLBuilder.java	net.n3.nanoxml
2	0.34	47	ReverseVectorEnumerator.java	CH.ifa.draw.util
2	0.18	89	ReverseFigureEnumerator.java	CH.ifa.draw.standard
2	0.14	183	StandardFigureSelection.java	CH.ifa.draw.standard
2	0.12	312	VersionManagement.java	CH.ifa.draw.util

"elem elem", {*attribut elem param child full attr return type ixmlel children iter*}

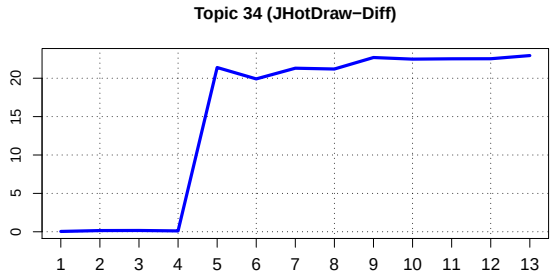
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
34	1.4476	0.9115
19	1.9806	0.6037
20	2.1651	0.8215

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
36	5.3379	0.1893
21	4.3535	0.2594
14	4.8016	0.3480

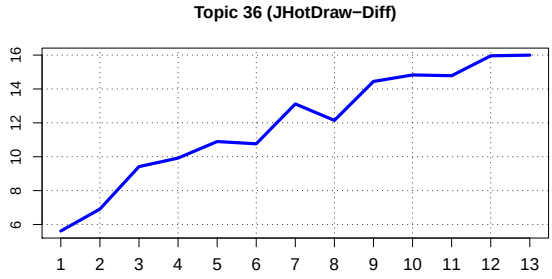
Best matching topic (Topic distance = 1.448, Evolution distance = 0.9115):



V	θ	Size	File	Package
13	1.00	128	IXMLParser.java	net.n3.nanoxml
13	1.00	1013	XMLUtil.java	net.n3.nanoxml
13	1.00	223	IXMLValidator.java	net.n3.nanoxml
13	1.00	842	NonValidator.java	net.n3.nanoxml
8	1.00	128	IXMLParser.java	net.n3.nanoxml
8	1.00	1013	XMLUtil.java	net.n3.nanoxml
8	1.00	839	NonValidator.java	net.n3.nanoxml
8	1.00	223	IXMLValidator.java	net.n3.nanoxml
1	0.04	75	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

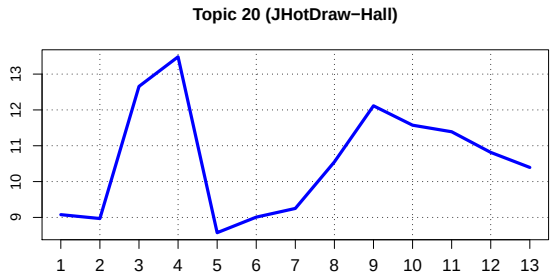
"reader reader", {*code reader param elem attribut line except system read entiti xml*}

Best matching topic evolution (Topic distance = 5.338, Evolution distance = 0.1893):



V	θ	Size	File	Package
13	0.60	68	AbstractColorSlidersModel.java	org.jhotdraw.color
13	0.55	132	AbstractConstrainer.java	org.jhotdraw.draw
13	0.52	313	AbstractBean.java	org.jhotdraw.beans
13	0.46	143	WeakPropertyChangeListener.java	org.jhotdraw.beans
5	0.47	80	DrawingEvent.java	org.jhotdraw.draw
5	0.46	59	FigureListener.java	org.jhotdraw.draw
5	0.45	152	AbstractBean.java	org.jhotdraw.beans
5	0.42	36	AbstractFigureListener.java	org.jhotdraw.draw
1	0.68	203	FigureChangeEventMulticaster.java	CH.ifa.draw.standard
1	0.63	30	DrawingChangeListener.java	CH.ifa.draw.framework
1	0.63	54	FigureChangeListener.java	CH.ifa.draw.framework
1	0.48	44	FigureChangeAdapter.java	CH.ifa.draw.standard

"chang listen", {*listen chang event remov add invalid request updat fire area object*}



V	θ	Size	File	Package
4	0.92	431	Geom.java	org.jhotdraw.util
4	0.68	254	ArrowTip.java	org.jhotdraw.figures
4	0.66	119	ChopDiamondConnector.java	org.jhotdraw.contrib
4	0.60	106	PolyLineConnector.java	org.jhotdraw.figures
13	0.82	827	Geom.java	org.jhotdraw.geom
13	0.71	187	ChopDiamondConnector.java	org.jhotdraw.draw.connector
13	0.57	555	DoubleStroke.java	org.jhotdraw.geom
13	0.56	511	BezierLabelLocator.java	org.jhotdraw.draw.locator
5	0.82	827	Geom.java	org.jhotdraw.geom
5	0.75	182	ChopDiamondConnector.java	org.jhotdraw.draw
5	0.63	508	BezierLabelLocator.java	org.jhotdraw.draw
5	0.58	194	ArrowTip.java	org.jhotdraw.draw

"poli line", {*point line angl width rectangl pointd height corner math polygon radiu*}

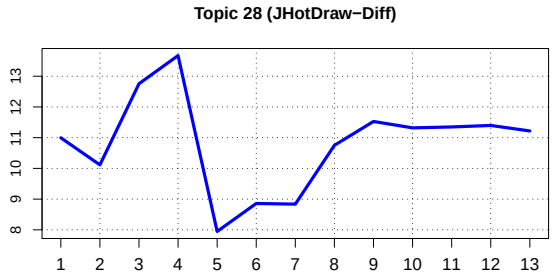
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
28	0.6071	0.0333
31	2.4234	3.2998
18	2.8578	1.8053

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
28	0.6071	0.0333
44	4.7760	0.0741
45	4.3072	0.1305

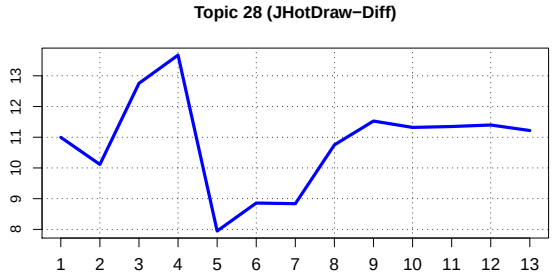
Best matching topic (Topic distance = 0.607, Evolution distance = 0.0333):



V	θ	Size	File	Package
4	0.79	254	ArrowTip.java	org.jhotdraw.figures
4	0.72	431	Geom.java	org.jhotdraw.util
4	0.70	741	PolygonFigure.java	org.jhotdraw.contrib
4	0.64	106	PolyLineConnector.java	org.jhotdraw.figures
1	0.86	207	Geom.java	CH.ifa.draw.util
1	0.83	242	ArrowTip.java	CH.ifa.draw.figures
1	0.75	550	PolygonFigure.java	CH.ifa.draw.contrib
1	0.62	103	PolyLineConnector.java	CH.ifa.draw.figures
5	0.61	194	ArrowTip.java	org.jhotdraw.draw
5	0.54	61	LineDecoration.java	org.jhotdraw.draw
5	0.50	827	Geom.java	org.jhotdraw.geom
5	0.40	182	ChopDiamondConnector.java	org.jhotdraw.draw

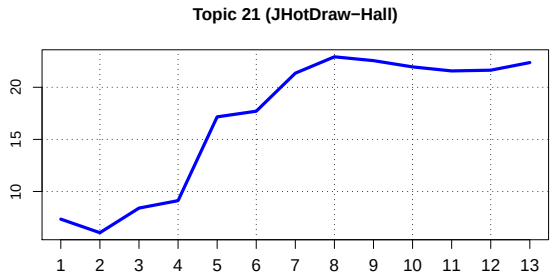
"poli line", {*point line polygon decor angl poli geom radiu corner center chop*}

Best matching topic evolution (Topic distance = 0.607, Evolution distance = 0.0333):



V	θ	Size	File	Package
4	0.79	254	ArrowTip.java	org.jhotdraw.figures
4	0.72	431	Geom.java	org.jhotdraw.util
4	0.70	741	PolygonFigure.java	org.jhotdraw.contrib
4	0.64	106	PolyLineConnector.java	org.jhotdraw.figures
1	0.86	207	Geom.java	CH.ifa.draw.util
1	0.83	242	ArrowTip.java	CH.ifa.draw.figures
1	0.75	550	PolygonFigure.java	CH.ifa.draw.contrib
1	0.62	103	PolyLineConnector.java	CH.ifa.draw.figures
5	0.61	194	ArrowTip.java	org.jhotdraw.draw
5	0.54	61	LineDecoration.java	org.jhotdraw.draw
5	0.50	827	Geom.java	org.jhotdraw.geom
5	0.40	182	ChopDiamondConnector.java	org.jhotdraw.draw

"poli line", {*point line polygon decor angl poli geom radiu corner center chop*}



V	θ	Size	File	Package
8	1.00	697	TransformHandleKit.java	org.jhotdraw.draw
8	0.97	693	ResizeHandleKit.java	org.jhotdraw.draw
8	0.95	278	MoveHandle.java	org.jhotdraw.draw
8	0.90	61	LocatorHandle.java	org.jhotdraw.draw
6	0.98	617	BoxHandleKit.java	org.jhotdraw.draw
6	0.94	248	MoveHandle.java	org.jhotdraw.draw
6	0.91	141	RelativeDecoratorLocator.java	org.jhotdraw.draw
6	0.90	61	LocatorHandle.java	org.jhotdraw.draw
2	0.66	162	RelativeLocator.java	CH.ifa.draw.standard
2	0.56	59	LocatorHandle.java	CH.ifa.draw.standard
2	0.51	673	BoxHandleKit.java	CH.ifa.draw.standard
2	0.32	268	AbstractHandle.java	CH.ifa.draw.standard

"locat locat", {*handl locat owner bound transform pointd figur point rel rectangl anchor*}

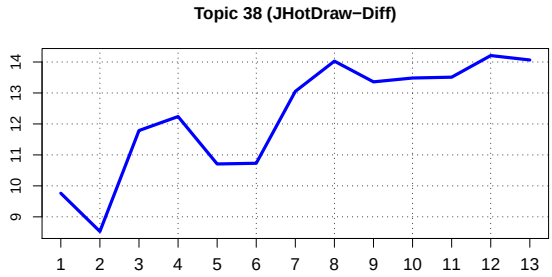
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
38	0.6477	0.5775
31	1.1002	0.5541
33	2.0379	0.7455

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
21	4.7109	0.2162
36	4.3998	0.2445
41	4.4127	0.3398

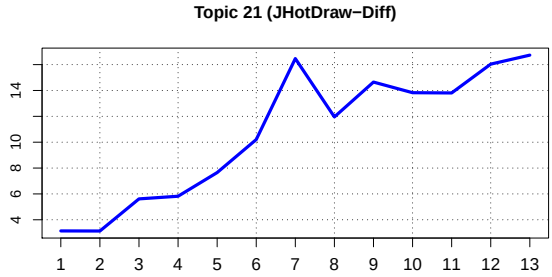
Best matching topic (Topic distance = 0.648, Evolution distance = 0.5775):



V	θ	Size	File	Package
12	0.74	126	NullHandle.java	org.jhotdraw.draw.handle
12	0.71	65	LocatorHandle.java	org.jhotdraw.draw.handle
12	0.60	379	MoveHandle.java	org.jhotdraw.draw.handle
12	0.58	175	RelativeDecoratorLocator.java	org.jhotdraw.draw.locator
4	0.84	153	LocatorHandle.java	org.jhotdraw.standard
4	0.66	156	RelativeLocator.java	org.jhotdraw.standard
4	0.58	248	Handle.java	org.jhotdraw.framework
4	0.56	484	UndoableHandle.java	org.jhotdraw.util
2	0.73	59	LocatorHandle.java	CH.ifa.draw.standard
2	0.65	162	RelativeLocator.java	CH.ifa.draw.standard
2	0.64	232	Handle.java	CH.ifa.draw.framework
2	0.62	268	AbstractHandle.java	CH.ifa.draw.standard

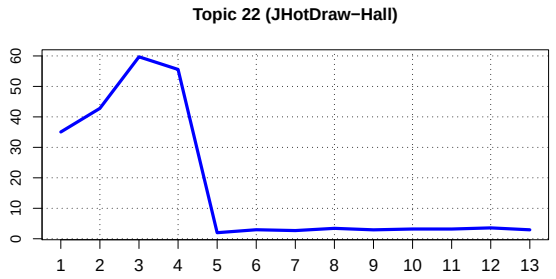
"handl handl", {*handl locat owner rel figur north south anchor east invok west*}

Best matching topic evolution (Topic distance = 4.711, Evolution distance = 0.2162):



V	θ	Size	File	Package
13	0.75	126	ExtensionFileFilter.java	org.jhotdraw.gui.filechooser
13	0.71	156	SheetEvent.java	org.jhotdraw.gui.event
13	0.68	46	JFileURIChooser.java	org.jhotdraw.gui
13	0.62	25	URIUtil.java	org.jhotdraw.net
6	0.73	130	ExtensionFileFilter.java	org.jhotdraw.io
6	0.70	129	SheetEvent.java	org.jhotdraw.gui.event
6	0.63	682	ExitAction.java	org.jhotdraw.app.action
6	0.60	339	AbstractSaveBeforeAction.java	org.jhotdraw.app.action
2	0.83	353	StorageFormatManager.java	CH.ifa.draw.util
2	0.76	110	StorageFormat.java	CH.ifa.draw.util
2	0.70	506	StandardStorageFormat.java	CH.ifa.draw.util
2	0.53	196	SerializationStorageFormat.java	CH.ifa.draw.util

"storag format", {*file format chooser storag filter save set extens pane option dialog*}



V	θ	Size	File	Package
3	1.00	132	AnimationDecorator.java	CH.ifa.draw.samples.javadraw
3	1.00	108	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
3	1.00	12	Animatable.java	CH.ifa.draw.util
3	0.99	174	RectangleFigure.java	CH.ifa.draw.figures
11	0.74	61	DecoratedFigure.java	org.jhotdraw.draw
11	0.59	184	AbstractAttributedDecoratedFigure.java	org.jhotdraw.draw
11	0.46	210	CompositeLineDecoration.java	org.jhotdraw.draw
11	0.24	90	PerpendicularBar.java	org.jhotdraw.draw
5	0.30	61	LineDecoration.java	org.jhotdraw.draw
5	0.22	45	Locator.java	org.jhotdraw.draw
5	0.21	75	GeneralPathTip.java	org.jhotdraw.draw
5	0.21	117	LocatorConnector.java	org.jhotdraw.draw

"displai box", {*figur public box displai draw decor return read storabl ifa point*}

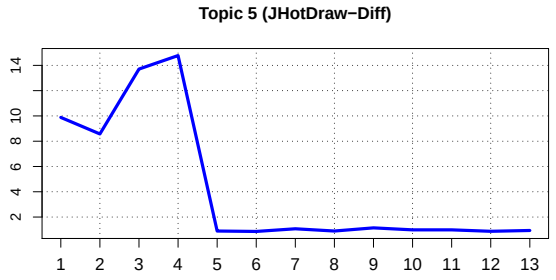
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
5	0.8446	0.2947
44	1.3138	12.2051
2	1.3413	3.5128

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
5	0.8446	0.2947
17	4.7810	0.6406
3	2.1179	2.4322

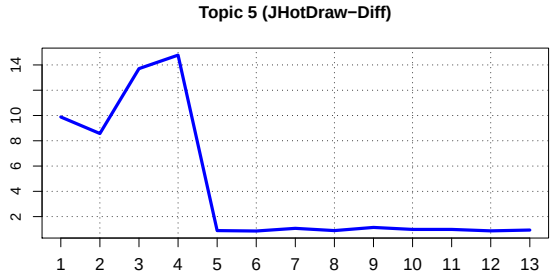
Best matching topic (Topic distance = 0.845, Evolution distance = 0.2947):



V	θ	Size	File	Package
4	0.85	276	RoundRectangleFigure.java	org.jhotdraw.figures
4	0.83	166	RectangleFigure.java	org.jhotdraw.figures
4	0.80	124	AnimationDecorator.java	org.jhotdraw.samples.javadraw
4	0.80	197	EllipseFigure.java	org.jhotdraw.figures
11	0.10	177	AnimationSample.java	org.jhotdraw.samples.mini
11	0.07	501	TextFigure.java	org.jhotdraw.draw
11	0.06	131	StickyRectangleConnector.java	org.jhotdraw.draw
11	0.05	112	LocatorConnector.java	org.jhotdraw.draw
6	0.08	448	TextFigure.java	org.jhotdraw.draw
6	0.07	151	ChopRoundRectangleConnector.java	org.jhotdraw.draw
6	0.06	128	StickyRectangleConnector.java	org.jhotdraw.draw
6	0.05	117	LocatorConnector.java	org.jhotdraw.draw

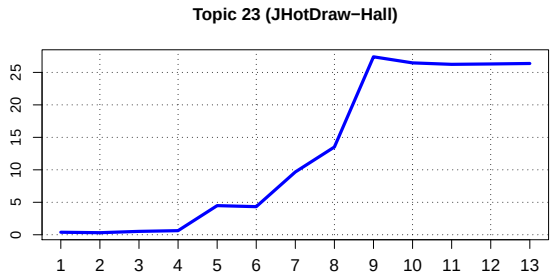
"displai box", {*box displai figur handl rectangl read basic point write width height*}

Best matching topic evolution (Topic distance = 0.845, Evolution distance = 0.2947):



V	θ	Size	File	Package
4	0.85	276	RoundRectangleFigure.java	org.jhotdraw.figures
4	0.83	166	RectangleFigure.java	org.jhotdraw.figures
4	0.80	124	AnimationDecorator.java	org.jhotdraw.samples.javadraw
4	0.80	197	EllipseFigure.java	org.jhotdraw.figures
11	0.10	177	AnimationSample.java	org.jhotdraw.samples.mini
11	0.07	501	TextFigure.java	org.jhotdraw.draw
11	0.06	131	StickyRectangleConnector.java	org.jhotdraw.draw
11	0.05	112	LocatorConnector.java	org.jhotdraw.draw
6	0.08	448	TextFigure.java	org.jhotdraw.draw
6	0.07	151	ChopRoundRectangleConnector.java	org.jhotdraw.draw
6	0.06	128	StickyRectangleConnector.java	org.jhotdraw.draw
6	0.05	117	LocatorConnector.java	org.jhotdraw.draw

"displai box", {*box displai figur handl rectangl read basic point write width height*}



V	θ	Size	File	Package
9	1.00	473	JAttributeTextAreaBeanInfo.java	org.jhotdraw.gui
9	1.00	468	JDisclosureToolBarBeanInfo.java	org.jhotdraw.gui
9	1.00	471	JLifeFormattedTexAreaBeanInfo.java	org.jhotdraw.gui
9	1.00	473	JLifeFormattedTextFieldBeanInfo.java	org.jhotdraw.gui
5	1.00	463	DrawingPanelBeanInfo.java	org.jhotdraw.samples.draw
5	1.00	459	SVGPanelBeanInfo.java	org.jhotdraw.samples.svg
5	1.00	463	JPopupButtonBeanInfo.java	org.jhotdraw.draw.action
5	0.98	467	DefaultDrawingViewBeanInfo.java	org.jhotdraw.draw
2	0.15	269	ToolButton.java	CH.ifa.draw.standard
2	0.06	47	SimpleUpdateStrategy.java	CH.ifa.draw.standard
2	0.04	312	VersionManagement.java	CH.ifa.draw.util
2	0.03	60	PaletteIcon.java	CH.ifa.draw.util

"icon icon", {*icon descriptor bean properti event gen method color set mono code*}

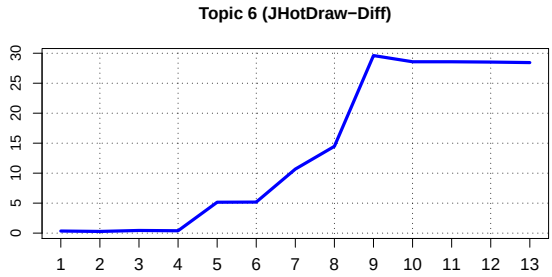
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
6	0.0150	0.0017
19	2.5862	1.3812
12	3.1675	0.2930

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
6	0.0150	0.0017
4	3.2219	0.2557
12	3.1675	0.2930

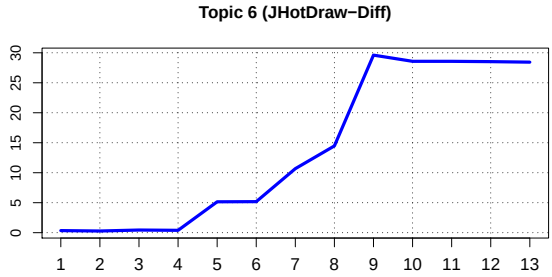
Best matching topic (Topic distance = 0.015, Evolution distance = 0.0017):



V	θ	Size	File	Package
9	1.00	470	JAttributeSliderBeanInfo.java	org.jhotdraw.gui
9	1.00	465	ODGPropertiesPanelBeanInfo.java	org.jhotdraw.samples.odg
9	1.00	472	AbstractToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
9	1.00	475	AlignToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
6	1.00	459	SVGPanelBeanInfo.java	org.jhotdraw.samples.svg
6	0.99	463	DrawingPanelBeanInfo.java	org.jhotdraw.samples.draw
6	0.98	463	JPopupButtonBeanInfo.java	org.jhotdraw.draw.action
6	0.98	467	DefaultDrawingViewBeanInfo.java	org.jhotdraw.draw
2	0.15	269	ToolButton.java	CH.ifa.draw.standard
2	0.10	60	PaletteIcon.java	CH.ifa.draw.util
2	0.02	165	StandardVersionControlStrategy.java	CH.ifa.draw.util
2	NA	NA	NA	NA

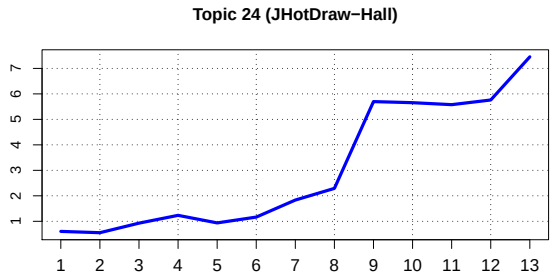
"icon icon", {*icon descriptor bean properti event gen method color set imag mono*}

Best matching topic evolution (Topic distance = 0.015, Evolution distance = 0.0017):



V	θ	Size	File	Package
9	1.00	470	JAttributeSliderBeanInfo.java	org.jhotdraw.gui
9	1.00	465	ODGPropertiesPanelBeanInfo.java	org.jhotdraw.samples.odg
9	1.00	472	AbstractToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
9	1.00	475	AlignToolBarBeanInfo.java	org.jhotdraw.samples.svg.gui
6	1.00	459	SVGPanelBeanInfo.java	org.jhotdraw.samples.svg
6	0.99	463	DrawingPanelBeanInfo.java	org.jhotdraw.samples.draw
6	0.98	463	JPopupButtonBeanInfo.java	org.jhotdraw.draw.action
6	0.98	467	DefaultDrawingViewBeanInfo.java	org.jhotdraw.draw
2	0.15	269	ToolButton.java	CH.ifa.draw.standard
2	0.10	60	PaletteIcon.java	CH.ifa.draw.util
2	0.02	165	StandardVersionControlStrategy.java	CH.ifa.draw.util
2	NA	NA	NA	NA

"icon icon", {*icon descriptor bean properti event gen method color set imag mono*}



V	θ	Size	File	Package
13	0.97	3017	JMixer.java	org.jhotdraw.samples.color
13	0.74	1529	BezierDemo.java	org.jhotdraw.samples.mini
13	0.62	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.60	379	ProgressIndicator.java	org.jhotdraw.samples.svg.gui
4	0.29	72	ToggleGridCommand.java	org.jhotdraw.standard
4	0.26	62	GridConstrainer.java	org.jhotdraw.standard
4	0.25	57	ZoomAreaTracker.java	org.jhotdraw.contrib.zoom
4	0.10	77	CommandChoice.java	org.jhotdraw.util
2	0.24	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.22	68	GridConstrainer.java	CH.ifa.draw.standard
2	0.08	62	Filler.java	CH.ifa.draw.util
2	NA	NA	NA	NA

"zoom factor", {*grid bag constraint awt swing javax set add event label panel*}

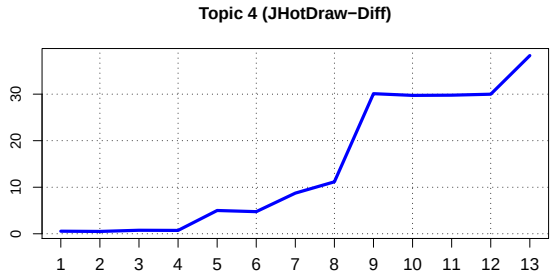
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
4	0.7442	0.2446
16	2.3923	4.3539
24	2.8286	2.5656

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
4	0.7442	0.2446
12	2.9971	0.3670
8	4.2547	0.4291

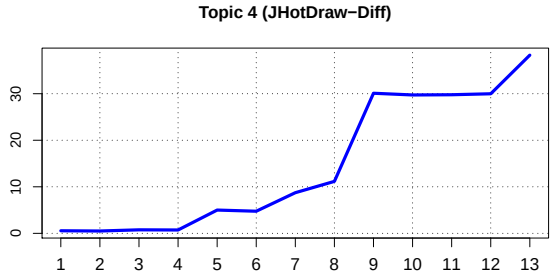
Best matching topic (Topic distance = 0.744, Evolution distance = 0.2446):



V	θ	Size	File	Package
13	0.95	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	1860	PaletteCMYKChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.94	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.89	3017	JMixer.java	org.jhotdraw.samples.color
5	0.42	707	NetProject.java	org.jhotdraw.samples.net
5	0.40	678	PertProject.java	org.jhotdraw.samples.pert
5	0.40	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.36	600	DrawProject.java	org.jhotdraw.samples.draw
2	0.25	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.24	68	GridConstrainer.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

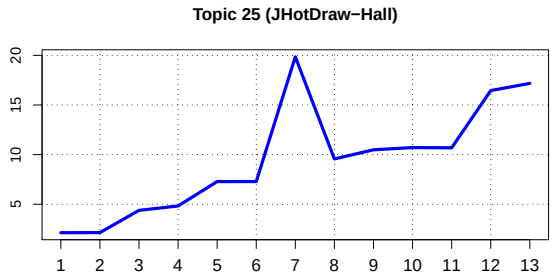
"javax swing", {*set grid field bag constraint swing javax label panel awt slider*}

Best matching topic evolution (Topic distance = 0.744, Evolution distance = 0.2446):



V	θ	Size	File	Package
13	0.95	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	1860	PaletteCMYKChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.94	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.89	3017	JMixer.java	org.jhotdraw.samples.color
5	0.42	707	NetProject.java	org.jhotdraw.samples.net
5	0.40	678	PertProject.java	org.jhotdraw.samples.pert
5	0.40	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.36	600	DrawProject.java	org.jhotdraw.samples.draw
2	0.25	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.24	68	GridConstrainer.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"javax swing", {*set grid field bag constraint swing javax label panel awt slider*}



V	θ	Size	File	Package
7	1.00	1290	DefaultOSXApplication.java	org.jhotdraw.app
7	1.00	987	DefaultSDIApplication.java	org.jhotdraw.app
7	0.99	1188	AbstractOSXApplication.java	org.jhotdraw.application
7	0.99	750	AbstractSDIApplication.java	org.jhotdraw.application
5	1.00	1378	DefaultOSXApplication.java	org.jhotdraw.app
5	1.00	1107	DefaultSDIApplication.java	org.jhotdraw.app
5	0.92	131	OSXTogglePaletteAction.java	org.jhotdraw.app.action
5	0.89	236	OSXPaletteHandler.java	org.jhotdraw.app
1	0.49	166	CommandMenu.java	CH.ifa.draw.util
1	0.37	2060	DrawApplication.java	CH.ifa.draw.application
1	0.32	462	JavaDrawApp.java	CH.ifa.draw.samples.javadraw
1	0.31	70	CommandChoice.java	CH.ifa.draw.util

"menu item", {*action menu add window view item set jmenu applic palett bar*}

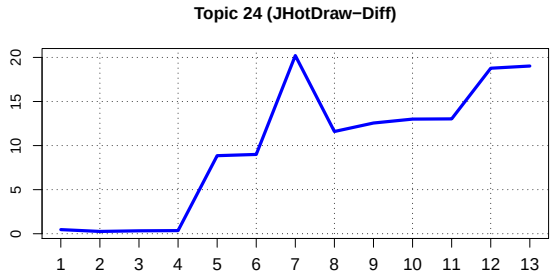
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
24	0.0486	0.4167
37	1.1874	0.9161
11	2.3368	1.6066

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
21	3.0752	0.3641
24	0.0486	0.4167
37	1.1874	0.9161

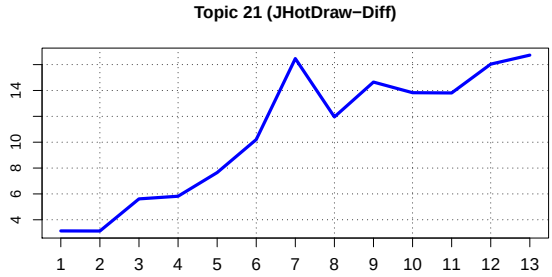
Best matching topic (Topic distance = 0.049, Evolution distance = 0.4167):



V	θ	Size	File	Package
7	0.92	1290	DefaultOSXApplication.java	org.jhotdraw.app
7	0.92	750	AbstractSDIApplication.java	org.jhotdraw.application
7	0.91	1188	AbstractOSXApplication.java	org.jhotdraw.application
7	0.89	987	DefaultSDIApplication.java	org.jhotdraw.app
6	0.93	1357	DefaultOSXApplication.java	org.jhotdraw.app
6	0.91	1046	DefaultSDIApplication.java	org.jhotdraw.app
6	0.78	1199	DefaultMDIApplication.java	org.jhotdraw.app
6	0.65	236	OSXPaletteHandler.java	org.jhotdraw.app
2	0.19	2632	DrawApplication.java	CH.ifa.draw.application
2	0.06	514	JavaDrawApp.java	CH.ifa.draw.samples.javadraw
2	NA	NA	NA	NA
2	NA	NA	NA	NA

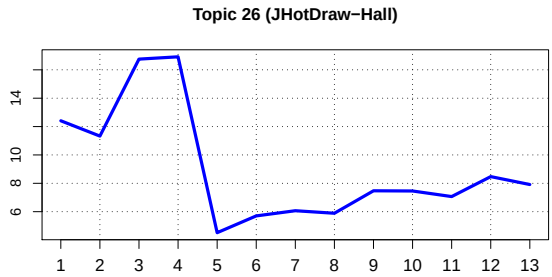
"window menu", {*action menu window add view set jmenu file recent open bar*}

Best matching topic evolution (Topic distance = 3.075, Evolution distance = 0.3641):



V	θ	Size	File	Package
13	0.75	126	ExtensionFileFilter.java	org.jhotdraw.gui.filechooser
13	0.71	156	SheetEvent.java	org.jhotdraw.gui.event
13	0.68	46	JFileURIChooser.java	org.jhotdraw.gui
13	0.62	25	URIUtil.java	org.jhotdraw.net
6	0.73	130	ExtensionFileFilter.java	org.jhotdraw.io
6	0.70	129	SheetEvent.java	org.jhotdraw.gui.event
6	0.63	682	ExitAction.java	org.jhotdraw.app.action
6	0.60	339	AbstractSaveBeforeAction.java	org.jhotdraw.app.action
2	0.83	353	StorageFormatManager.java	CH.ifa.draw.util
2	0.76	110	StorageFormat.java	CH.ifa.draw.util
2	0.70	506	StandardStorageFormat.java	CH.ifa.draw.util
2	0.53	196	SerializationStorageFormat.java	CH.ifa.draw.util

"storag format", {*file format chooser storag filter save set extens pane option dialog*}



V	θ	Size	File	Package
4	0.97	144	NothingApplet.java	org.jhotdraw.samples.nothing
4	0.80	337	JavaDrawApplet.java	org.jhotdraw.samples.javadraw
4	0.80	88	PertApplet.java	org.jhotdraw.samples.pert
4	0.72	183	NothingApp.java	org.jhotdraw.samples.nothing
10	0.66	735	CreationTool.java	org.jhotdraw.draw
10	0.60	847	BezierTool.java	org.jhotdraw.draw
10	0.58	178	PathTool.java	org.jhotdraw.samples.svg
10	0.57	173	PathTool.java	org.jhotdraw.samples.odg
5	0.64	579	BezierTool.java	org.jhotdraw.draw
5	0.59	392	CreationTool.java	org.jhotdraw.draw
5	0.50	125	PathTool.java	org.jhotdraw.samples.svg
5	0.42	52	ToolListener.java	org.jhotdraw.draw

"creation tool", {*tool figur creat mous draw creation view prototyp event editor add*}

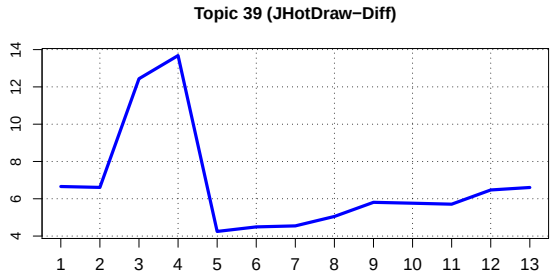
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
39	0.8005	0.1722
44	1.7112	1.2656
43	1.8428	3.0178

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
39	0.8005	0.1722
28	3.1840	0.8787
3	4.0719	0.9508

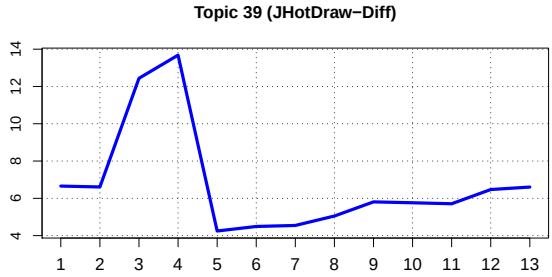
Best matching topic (Topic distance = 0.801, Evolution distance = 0.1722):



V	θ	Size	File	Package
4	0.60	450	UndoableTool.java	org.jhotdraw.util
4	0.59	49	ToolListener.java	org.jhotdraw.framework
4	0.54	41	NullTool.java	org.jhotdraw.standard
4	0.49	252	Tool.java	org.jhotdraw.framework
10	0.36	735	CreationTool.java	org.jhotdraw.draw
10	0.32	82	ToolListener.java	org.jhotdraw.draw
10	0.31	847	BezierTool.java	org.jhotdraw.draw
10	0.29	297	DnDTracker.java	org.jhotdraw.draw
5	0.44	336	SelectionTool.java	org.jhotdraw.draw
5	0.39	181	HandleTracker.java	org.jhotdraw.draw
5	0.37	52	ToolListener.java	org.jhotdraw.draw
5	0.35	392	CreationTool.java	org.jhotdraw.draw

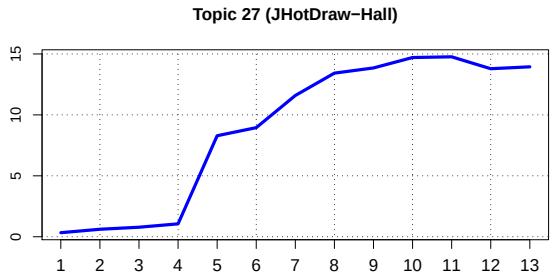
"mous event", {*tool mous event creat drag activ creation deactiv editor point awt*}

Best matching topic evolution (Topic distance = 0.801, Evolution distance = 0.1722):



V	θ	Size	File	Package
4	0.60	450	UndoableTool.java	org.jhotdraw.util
4	0.59	49	ToolListener.java	org.jhotdraw.framework
4	0.54	41	NullTool.java	org.jhotdraw.standard
4	0.49	252	Tool.java	org.jhotdraw.framework
10	0.36	735	CreationTool.java	org.jhotdraw.draw
10	0.32	82	ToolListener.java	org.jhotdraw.draw
10	0.31	847	BezierTool.java	org.jhotdraw.draw
10	0.29	297	DnDTracker.java	org.jhotdraw.draw
5	0.44	336	SelectionTool.java	org.jhotdraw.draw
5	0.39	181	HandleTracker.java	org.jhotdraw.draw
5	0.37	52	ToolListener.java	org.jhotdraw.draw
5	0.35	392	CreationTool.java	org.jhotdraw.draw

"mous event", {*tool mous event creat drag activ creation deactiv editor point awt*}



V	θ	Size	File	Package
11	1.00	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.95	56	Shapes.java	org.jhotdraw.geom
11	0.86	1692	BezierPath.java	org.jhotdraw.geom
11	0.85	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.85	1434	BezierPath.java	org.jhotdraw.geom
6	0.83	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.66	177	GrowStroke.java	org.jhotdraw.geom
6	0.59	1579	BezierFigure.java	org.jhotdraw.draw
1	0.14	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.11	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.03	550	PolygonFigure.java	CH.ifa.draw.contrib
1	0.03	462	JavaDrawApp.java	CH.ifa.draw.samples.javadraw

"bezier path", {*path bezier node index coord mask point geom current size segment*}

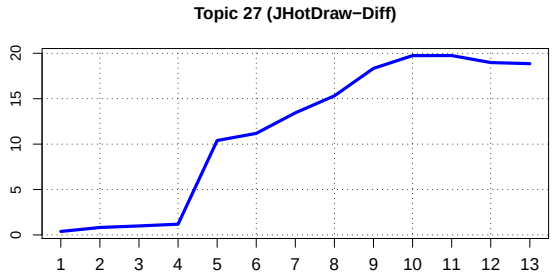
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
27	0.3111	0.0453
19	2.5665	0.1514
28	2.6309	3.6978

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
31	2.8118	0.0235
27	0.3111	0.0453
20	3.0612	0.0694

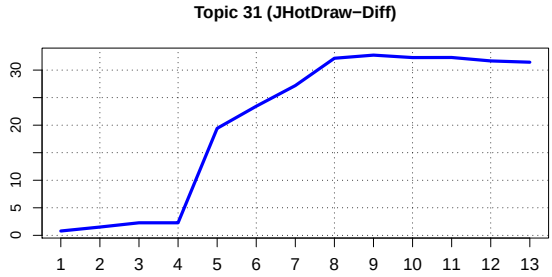
Best matching topic (Topic distance = 0.311, Evolution distance = 0.0453):



V	θ	Size	File	Package
11	0.97	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.76	1692	BezierPath.java	org.jhotdraw.geom
11	0.73	332	CurvedLiner.java	org.jhotdraw.draw
11	0.72	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.81	1159	Bezier.java	org.jhotdraw.geom
6	0.74	1434	BezierPath.java	org.jhotdraw.geom
6	0.72	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.71	177	GrowStroke.java	org.jhotdraw.geom
1	0.13	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.12	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.04	233	ConnectionFigure.java	CH.ifa.draw.framework
1	0.03	95	NetApp.java	CH.ifa.draw.samples.net

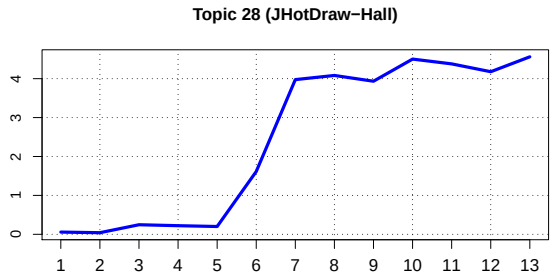
"path path", {*path node bezier index pointd point mask geom coord gener curv*}

Best matching topic evolution (Topic distance = 2.812, Evolution distance = 0.0235):



V	θ	Size	File	Package
9	0.84	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
9	0.83	231	RectangleFigure.java	org.jhotdraw.draw
9	0.80	549	ODGRectFigure.java	org.jhotdraw.samples.odg.figures
9	0.77	498	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.80	243	RectangleFigure.java	org.jhotdraw.draw
6	0.78	398	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.76	275	EllipseFigure.java	org.jhotdraw.draw
6	0.74	495	SVGRectFigure.java	org.jhotdraw.samples.svg.figures
1	0.26	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.25	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.10	50	GroupHandle.java	CH.ifa.draw.figures
1	0.09	201	URLTool.java	CH.ifa.draw.samples.javadraw

"pointd pointd", {*bound transform pointd rectangl width height set draw math kei geom*}



V	θ	Size	File	Package
13	0.92	7688	SVGInputFormat.java	org.jhotdraw.samples.svg.io
13	0.83	3947	ODGInputFormat.java	org.jhotdraw.samples.odg.io
13	0.81	1723	ODGStylesReader.java	org.jhotdraw.samples.odg.io
13	0.61	77	StyleManager.java	org.jhotdraw.xml.css
6	0.92	6344	SVGInputFormat.java	org.jhotdraw.samples.svg.io
6	0.62	61	StyleManager.java	org.jhotdraw.xml.css
6	0.07	29	DOMStorable.java	org.jhotdraw.xml
6	NA	NA	NA	NA
2	0.04	263	Iconkit.java	CH.ifa.draw.util
2	NA	NA	NA	NA
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"attribut kei object", {*elem attribut read str style inherit ioexcept number position object stream*}

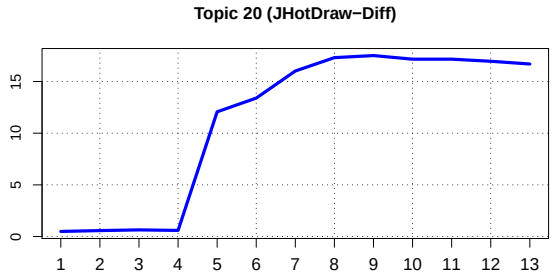
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
20	0.4583	0.9817
34	1.9890	1.5996
30	2.3145	4.1028

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
27	2.4884	0.6802
8	2.7177	0.7564
31	2.6034	0.7876

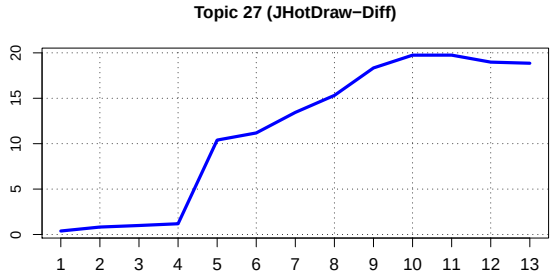
Best matching topic (Topic distance = 0.458, Evolution distance = 0.9817):



V	θ	Size	File	Package
9	0.94	191	DOMOutput.java	org.jhotdraw.xml
9	0.85	142	ODGDrawing.java	org.jhotdraw.samples.odg
9	0.85	479	NanoXMLDOMInput.java	org.jhotdraw.xml
9	0.85	156	DOMInput.java	org.jhotdraw.xml
6	0.98	181	DOMOutput.java	org.jhotdraw.xml
6	0.92	61	StyleManager.java	org.jhotdraw.xml.css
6	0.90	146	DOMInput.java	org.jhotdraw.xml
6	0.87	469	NanoXMLDOMInput.java	org.jhotdraw.xml
1	0.20	177	StorableInput.java	CH.ifa.draw.util
1	0.20	66	NumberTextFigure.java	CH.ifa.draw.figures
1	0.04	550	PolyLineFigure.java	CH.ifa.draw.figures
1	0.02	573	PertFigure.java	CH.ifa.draw.samples.pert

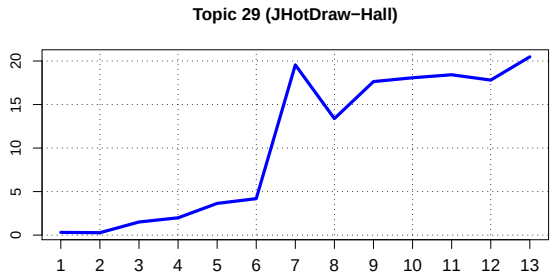
"open elem", {*elem attribut number read ioexcept str style current object text buf*}

Best matching topic evolution (Topic distance = 2.488, Evolution distance = 0.6802):



V	θ	Size	File	Package
11	0.97	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.76	1692	BezierPath.java	org.jhotdraw.geom
11	0.73	332	CurvedLiner.java	org.jhotdraw.draw
11	0.72	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.81	1159	Bezier.java	org.jhotdraw.geom
6	0.74	1434	BezierPath.java	org.jhotdraw.geom
6	0.72	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.71	177	GrowStroke.java	org.jhotdraw.geom
1	0.13	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.12	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.04	233	ConnectionFigure.java	CH.ifa.draw.framework
1	0.03	95	NetApp.java	CH.ifa.draw.samples.net

"path path", {*path node bezier index pointd point mask geom coord gener curv*}



V	θ	Size	File	Package
13	0.95	681	`CharacterSetAccessory.java`	`org.jhotdraw.samples.teddy`
13	0.87	110	`FontChooserMain.java`	`org.jhotdraw.samples.font`
13	0.74	53	`NumberedEditorKit.java`	`org.jhotdraw.samples.teddy.text`
13	0.71	1333	`TeddyView.java`	`org.jhotdraw.samples.teddy`
6	0.52	790	`NetProject.java`	`org.jhotdraw.samples.net`
6	0.51	751	`PertProject.java`	`org.jhotdraw.samples.pert`
6	0.49	684	`DrawProject.java`	`org.jhotdraw.samples.draw`
6	0.41	908	`SVGProject.java`	`org.jhotdraw.samples.svg`
2	0.08	1395	`DrawApplet.java`	`CH.ifa.draw.applet`
2	0.07	58	`OrderedFigureElement.java`	`CH.ifa.draw.standard`
2	0.06	68	`Animator.java`	`CH.ifa.draw.samples.javadraw`
2	0.05	2632	`DrawApplication.java`	`CH.ifa.draw.application`

"scroll pane", {*set layout add pane swing editor line javax scroll panel button*}

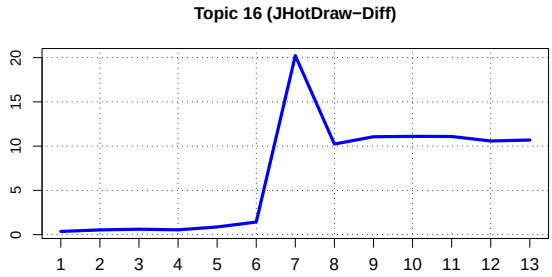
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
16	0.7069	0.9135
4	1.4429	1.6536
11	2.3714	2.3819

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
35	4.1969	0.6374
24	2.8543	0.7065
27	3.9955	0.7240

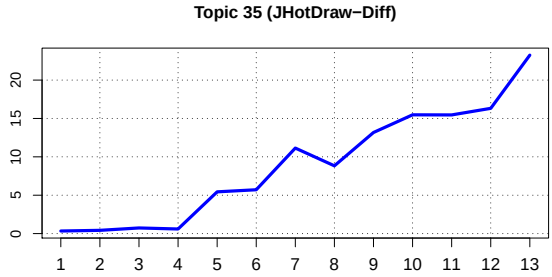
Best matching topic (Topic distance = 0.707, Evolution distance = 0.9135):



V	θ	Size	File	Package
7	0.99	549	`Matcher.java`	`org.jhotdraw.samples.teddyapplication.regex`
7	0.97	550	`Matcher.java`	`org.jhotdraw.samples.teddy.regex`
7	0.93	29	`MatchType.java`	`org.jhotdraw.samples.teddy.regex`
7	0.93	28	`MatchType.java`	`org.jhotdraw.samples.teddyapplication.regex`
6	0.18	59	`SeparatorLineFigure.java`	`org.jhotdraw.samples.pert.figures`
6	0.18	137	`DeleteAction.java`	`org.jhotdraw.app.action`
6	0.15	164	`CSSRule.java`	`org.jhotdraw.xml.css`
6	0.13	161	`EditorSample.java`	`org.jhotdraw.samples.mini`
1	0.11	141	`JavaDrawViewer.java`	`CH.ifa.draw.samples.javadraw`
1	0.10	91	`FollowURLTool.java`	`CH.ifa.draw.samples.javadraw`
1	0.08	1189	`DrawApplet.java`	`CH.ifa.draw.applet`
1	0.06	2060	`DrawApplication.java`	`CH.ifa.draw.application`

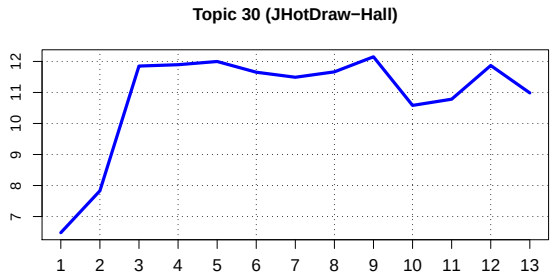
"prefer size", {*line set editor find docum index start match text replac swing*}

Best matching topic evolution (Topic distance = 4.197, Evolution distance = 0.6374):



V	θ	Size	File	Package
13	0.56	208	`ViewPropertyAction.java`	`org.jhotdraw.app.action.view`
13	0.55	256	`ToggleViewPropertyAction.java`	`org.jhotdraw.app.action.view`
13	0.45	102	`DisclosureIcon.java`	`org.jhotdraw.gui`
13	0.42	290	`PropertyChangeEdit.java`	`org.jhotdraw.beans`
6	0.62	223	`ToggleProjectPropertyAction.java`	`org.jhotdraw.app.action`
6	0.59	184	`ProjectPropertyAction.java`	`org.jhotdraw.app.action`
6	0.46	71	`ToggleVisibleAction.java`	`org.jhotdraw.app.action`
6	0.38	152	`AbstractBean.java`	`org.jhotdraw.beans`
1	0.11	410	`DecoratorFigure.java`	`CH.ifa.draw.standard`
1	0.07	270	`SplitPaneDrawApplication.java`	`CH.ifa.draw.contrib`
1	0.05	188	`CustomToolBar.java`	`CH.ifa.draw.contrib`
1	0.05	44	`SimpleUpdateStrategy.java`	`CH.ifa.draw.standard`

"properti chang", {*properti overrid handler compon select updat evt enabl state chang visibl*}



V	θ	Size	File	Package
9	0.87	45	HandleEvent.java	org.jhotdraw.draw
9	0.79	1094	AbstractFigure.java	org.jhotdraw.draw
9	0.73	92	FigureEvent.java	org.jhotdraw.draw
9	0.61	66	AbstractColorSlidersModel.java	org.jhotdraw.color
7	1.00	45	HandleEvent.java	org.jhotdraw.draw
7	0.79	1001	AbstractFigure.java	org.jhotdraw.draw
7	0.77	31	DrawingListener.java	org.jhotdraw.draw
7	0.75	85	FigureListener.java	org.jhotdraw.draw
1	0.97	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.93	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.92	203	FigureChangeEventMulticaster.java	CH.ifa.draw.standard
1	0.81	54	FigureChangeListener.java	CH.ifa.draw.framework

"chang listen", {*listen event figur chang remov draw list invalid area notifi fire*}

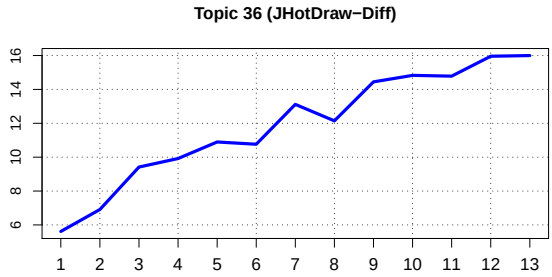
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
36	0.4228	0.3428
44	2.0597	0.1852
33	2.3747	2.8459

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
45	4.3322	0.0560
14	4.9246	0.1124
38	3.9007	0.1275

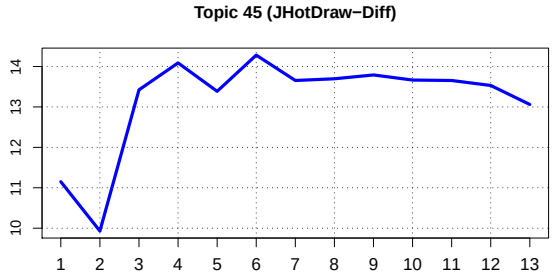
Best matching topic (Topic distance = 0.423, Evolution distance = 0.3428):



V	θ	Size	File	Package
13	0.60	68	AbstractColorSlidersModel.java	org.jhotdraw.color
13	0.55	132	AbstractConstrainer.java	org.jhotdraw.draw
13	0.52	313	AbstractBean.java	org.jhotdraw.beans
13	0.46	143	WeakPropertyChangeListener.java	org.jhotdraw.beans
5	0.47	80	DrawingEvent.java	org.jhotdraw.draw
5	0.46	59	FigureListener.java	org.jhotdraw.draw
5	0.45	152	AbstractBean.java	org.jhotdraw.beans
5	0.42	36	AbstractFigureListener.java	org.jhotdraw.draw
1	0.68	203	FigureChangeEventMulticaster.java	CH.ifa.draw.standard
1	0.63	30	DrawingChangeListener.java	CH.ifa.draw.framework
1	0.63	54	FigureChangeListener.java	CH.ifa.draw.framework
1	0.48	44	FigureChangeAdapter.java	CH.ifa.draw.standard

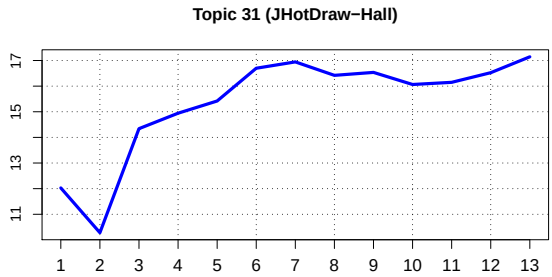
"chang listen", {*listen chang event remov add invalid request updat fire area object*}

Best matching topic evolution (Topic distance = 4.332, Evolution distance = 0.0560):



V	θ	Size	File	Package
6	0.91	97	ChangeConnectionStartHandle.java	org.jhotdraw.draw
6	0.84	413	AbstractChangeConnectionHandle.java	org.jhotdraw.draw
6	0.81	101	ChangeConnectionEndHandle.java	org.jhotdraw.draw
6	0.71	126	Connector.java	org.jhotdraw.draw
12	0.93	102	ConnectionStartHandle.java	org.jhotdraw.draw.handle
12	0.88	104	ConnectionEndHandle.java	org.jhotdraw.draw.handle
12	0.64	190	Connector.java	org.jhotdraw.draw.connector
12	0.63	1172	LineConnectionFigure.java	org.jhotdraw.draw
2	0.64	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	261	ConnectionFigure.java	CH.ifa.draw.framework
2	0.61	150	ChangeConnectionStartHandle.java	CH.ifa.draw.standard
2	0.61	152	ChangeConnectionEndHandle.java	CH.ifa.draw.standard

"connect figur", {*connect connector figur start end target point set find handl draw*}



V	θ	Size	File	Package
13	1.00	109	ConnectionStartHandle.java	org.jhotdraw.draw.handle
13	0.98	111	ConnectionEndHandle.java	org.jhotdraw.draw.handle
13	0.76	58	ChopBezierConnector.java	org.jhotdraw.draw.connector
13	0.75	1186	LineConnectionFigure.java	org.jhotdraw.draw
10	1.00	100	ConnectionEndHandle.java	org.jhotdraw.draw
10	0.98	96	ConnectionStartHandle.java	org.jhotdraw.draw
10	0.77	1134	LineConnectionFigure.java	org.jhotdraw.draw
10	0.75	279	AbstractConnector.java	org.jhotdraw.draw
2	0.66	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	646	LineConnection.java	CH.ifa.draw.figures
2	0.61	805	ConnectionTool.java	CH.ifa.draw.standard
2	0.61	488	ChangeConnectionHandle.java	CH.ifa.draw.standard

"connect figur", {*connect figur connector start end target point draw set handl owner*}

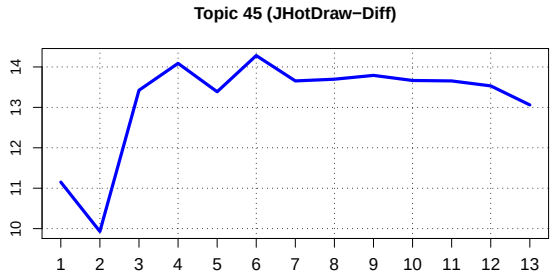
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
45	0.1051	0.0310
44	1.5576	0.2512
38	2.4402	0.0502

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
45	0.1051	0.0310
38	2.4402	0.0502
14	3.9592	0.0655

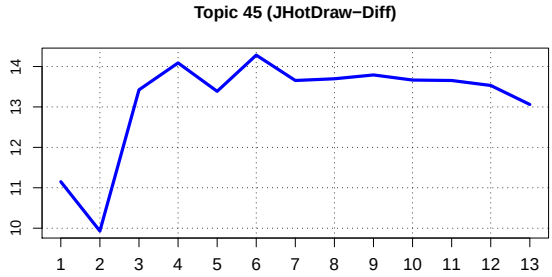
Best matching topic (Topic distance = 0.105, Evolution distance = 0.0310):



V	θ	Size	File	Package
6	0.91	97	ChangeConnectionStartHandle.java	org.jhotdraw.draw
6	0.84	413	AbstractChangeConnectionHandle.java	org.jhotdraw.draw
6	0.81	101	ChangeConnectionEndHandle.java	org.jhotdraw.draw
6	0.71	126	Connector.java	org.jhotdraw.draw
12	0.93	102	ConnectionStartHandle.java	org.jhotdraw.draw.handle
12	0.88	104	ConnectionEndHandle.java	org.jhotdraw.draw.handle
12	0.64	190	Connector.java	org.jhotdraw.draw.connector
12	0.63	1172	LineConnectionFigure.java	org.jhotdraw.draw
2	0.64	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	261	ConnectionFigure.java	CH.ifa.draw.framework
2	0.61	150	ChangeConnectionStartHandle.java	CH.ifa.draw.standard
2	0.61	152	ChangeConnectionEndHandle.java	CH.ifa.draw.standard

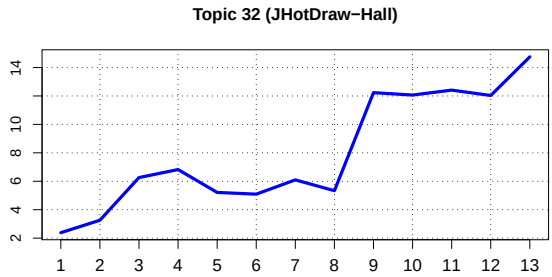
"connect figur", {*connect connector figur start end target point set find handl draw*}

Best matching topic evolution (Topic distance = 0.105, Evolution distance = 0.0310):



V	θ	Size	File	Package
6	0.91	97	ChangeConnectionStartHandle.java	org.jhotdraw.draw
6	0.84	413	AbstractChangeConnectionHandle.java	org.jhotdraw.draw
6	0.81	101	ChangeConnectionEndHandle.java	org.jhotdraw.draw
6	0.71	126	Connector.java	org.jhotdraw.draw
12	0.93	102	ConnectionStartHandle.java	org.jhotdraw.draw.handle
12	0.88	104	ConnectionEndHandle.java	org.jhotdraw.draw.handle
12	0.64	190	Connector.java	org.jhotdraw.draw.connector
12	0.63	1172	LineConnectionFigure.java	org.jhotdraw.draw
2	0.64	334	ConnectionHandle.java	CH.ifa.draw.standard
2	0.62	261	ConnectionFigure.java	CH.ifa.draw.framework
2	0.61	150	ChangeConnectionStartHandle.java	CH.ifa.draw.standard
2	0.61	152	ChangeConnectionEndHandle.java	CH.ifa.draw.standard

"connect figur", {*connect connector figur start end target point set find handl draw*}



V	θ	Size	File	Package
13	1.00	111	BackdropBorder.java	org.jhotdraw.gui.plaf.palette
13	1.00	12	PaletteBorders.java	org.jhotdraw.gui.plaf.palette
13	1.00	384	ToolBarPrefsHandler.java	org.jhotdraw.util.prefs
13	0.85	104	PaletteButtonUI.java	org.jhotdraw.gui.plaf.palette
7	0.99	383	ToolBarPrefsHandler.java	org.jhotdraw.util.prefs
7	0.81	737	MDIDesktopPane.java	org.jhotdraw.gui
7	0.62	81	PlacardScrollPaneLayout.java	org.jhotdraw.gui
7	0.54	84	ArrangeAction.java	org.jhotdraw.app.action
1	0.45	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.41	387	MDI_InternalFrame.java	CH.ifa.draw.contrib
1	0.35	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.29	171	BorderDecorator.java	CH.ifa.draw.figures

"intern frame", {*border frame bar pane desktop set compon window pref arrang tool*}

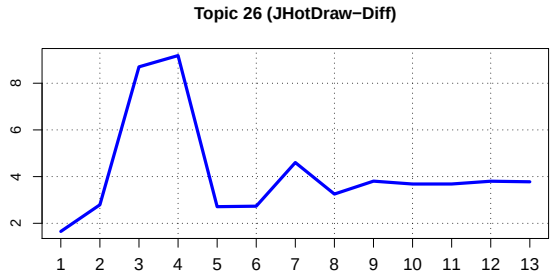
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
26	1.0390	3.6456
18	1.7587	0.1080
4	2.5103	1.9557

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
18	1.7587	0.1080
1	3.5181	0.3424
9	3.7866	0.3613

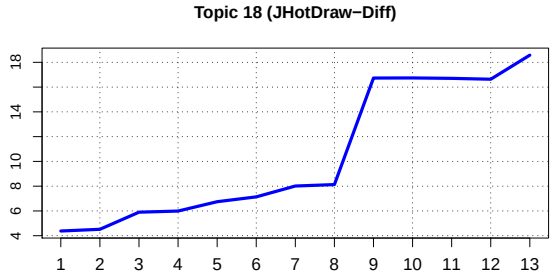
Best matching topic (Topic distance = 1.039, Evolution distance = 3.6456):



V	θ	Size	File	Package
4	0.70	1519	MDIDesktopPane.java	org.jhotdraw.contrib
4	0.69	271	JPanelDesktop.java	org.jhotdraw.contrib
4	0.65	200	JScrollPaneDesktop.java	org.jhotdraw.contrib
4	0.65	40	MiniMapApplication.java	org.jhotdraw.samples.minimap
10	0.72	739	MDIDesktopPane.java	org.jhotdraw.gui
10	0.44	88	ArrangeAction.java	org.jhotdraw.app.action
10	0.38	31	Arrangeable.java	org.jhotdraw.gui
10	0.28	265	FocusAction.java	org.jhotdraw.app.action
1	0.60	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.57	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.42	387	MDI_InternalFrame.java	CH.ifa.draw.contrib
1	0.03	434	CustomSelectionTool.java	CH.ifa.draw.contrib

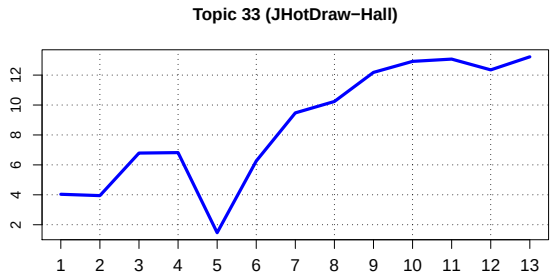
"scroll pane", {*frame desktop pane set compon applic titl event intern scroll arrang*}

Best matching topic evolution (Topic distance = 1.759, Evolution distance = 0.1080):



V	θ	Size	File	Package
13	0.95	111	BackdropBorder.java	org.jhotdraw.gui.plaf.palette
13	0.85	12	PaletteBorders.java	org.jhotdraw.gui.plaf.palette
13	0.65	135	PalettePanelUI.java	org.jhotdraw.gui.plaf.palette
13	0.64	427	Insets2D.java	org.jhotdraw.geom
6	0.67	412	Insets2D.java	org.jhotdraw.geom
6	0.60	654	ImageBevelBorder.java	org.jhotdraw.quaqua
6	0.51	613	PreferencesUtil.java	org.jhotdraw.util.prefs
6	0.51	300	Dimension2DDouble.java	org.jhotdraw.geom
1	0.80	46	Filler.java	CH.ifa.draw.util
1	0.55	161	PaletteLayout.java	CH.ifa.draw.util
1	0.47	53	PaletteIcon.java	CH.ifa.draw.util
1	0.42	171	BorderDecorator.java	CH.ifa.draw.figures

"width height", {*size width height inset border left top bottom rect dimens set*}



V	θ	Size	File	Package
13	1.00	73	SVGZInputFormat.java	org.jhotdraw.samples.svg.io
13	1.00	49	SVGZOutputFormat.java	org.jhotdraw.samples.svg.io
13	0.84	126	ExtensionFileFilter.java	org.jhotdraw.gui.filechooser
13	0.83	206	OutputFormat.java	org.jhotdraw.draw.io
4	0.86	188	SerializationStorageFormat.java	org.jhotdraw.util
4	0.83	515	StorageFormatManager.java	org.jhotdraw.util
4	0.79	146	StorageFormat.java	org.jhotdraw.util
4	0.79	526	StandardStorageFormat.java	org.jhotdraw.util
5	0.82	130	ExtensionFileFilter.java	org.jhotdraw.io
5	0.14	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.12	139	SVGDrawing.java	org.jhotdraw.samples.svg
5	0.12	600	DrawProject.java	org.jhotdraw.samples.draw

"storag format", {*format file draw input output filter extens storag stream imag descript*}

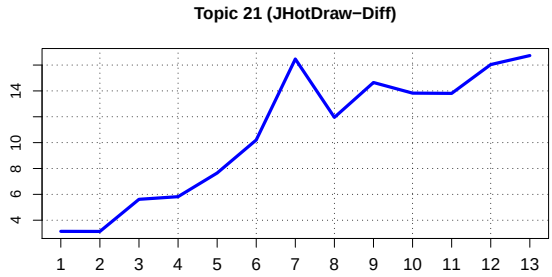
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
21	1.1213	0.4916
32	1.4485	0.1989
22	2.5844	0.1431

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
22	2.5844	0.1431
1	4.0796	0.1541
43	4.8836	0.1542

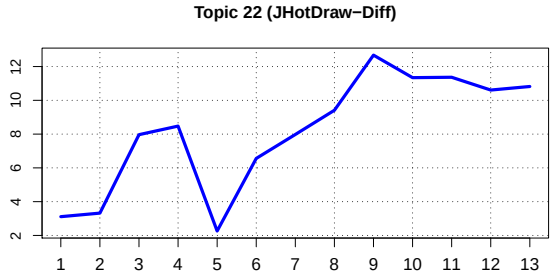
Best matching topic (Topic distance = 1.121, Evolution distance = 0.4916):



V	θ	Size	File	Package
13	0.75	126	ExtensionFileFilter.java	org.jhotdraw.gui.filechooser
13	0.71	156	SheetEvent.java	org.jhotdraw.gui.event
13	0.68	46	JFileURIChooser.java	org.jhotdraw.gui
13	0.62	25	URIUtil.java	org.jhotdraw.net
6	0.73	130	ExtensionFileFilter.java	org.jhotdraw.io
6	0.70	129	SheetEvent.java	org.jhotdraw.gui.event
6	0.63	682	ExitAction.java	org.jhotdraw.app.action
6	0.60	339	AbstractSaveBeforeAction.java	org.jhotdraw.app.action
2	0.83	353	StorageFormatManager.java	CH.ifa.draw.util
2	0.76	110	StorageFormat.java	CH.ifa.draw.util
2	0.70	506	StandardStorageFormat.java	CH.ifa.draw.util
2	0.53	196	SerializationStorageFormat.java	CH.ifa.draw.util

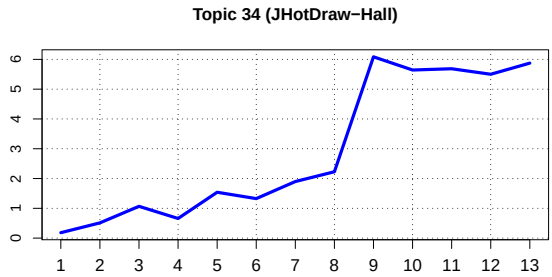
"storag format", {*file format chooser storag filter save set extens pane option dialog*}

Best matching topic evolution (Topic distance = 2.584, Evolution distance = 0.1431):



V	θ	Size	File	Package
9	0.80	414	Images.java	org.jhotdraw.gui.plaf.palette
9	0.73	304	Images.java	org.jhotdraw.util
9	0.71	350	DrawingPageable.java	org.jhotdraw.draw
9	0.56	108	ImageHolderFigure.java	org.jhotdraw.draw
7	0.71	350	DrawingPageable.java	org.jhotdraw.draw
7	0.55	682	ImageOutputFormat.java	org.jhotdraw.draw
7	0.47	62	ImageHolderFigure.java	org.jhotdraw.draw
7	0.42	19	Options.java	org.jhotdraw.draw
5	0.42	19	Options.java	org.jhotdraw.draw
5	0.36	654	ImageBevelBorder.java	org.jhotdraw.quaqua
5	0.27	116	ZoomEditorAction.java	org.jhotdraw.draw.action
5	0.26	89	ZoomAction.java	org.jhotdraw.draw.action

"buffer imag", {*imag draw scale buffer width height render graphic set hint zoom*}



V	θ	Size	File	Package
9	0.92	412	ConvexHull.java	org.jhotdraw.geom
9	0.84	452	JavaNumberFormatter.java	org.jhotdraw.text
9	0.75	1665	Bezier.java	org.jhotdraw.geom
9	0.74	1722	Polygon2D.java	org.jhotdraw.geom
5	0.80	1159	Bezier.java	org.jhotdraw.geom
5	0.27	300	Dimension2DDouble.java	org.jhotdraw.geom
5	0.19	230	Insets2DDouble.java	org.jhotdraw.geom
5	0.14	3535	XMLElement.java	nanoxml
1	0.18	66	NumberTextFigure.java	CH.ifa.draw.figures
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"code code", {*code point pointd param curv digit bound max arrai length error*}

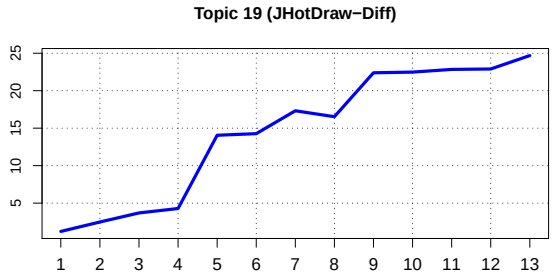
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
19	1.8164	0.9879
34	2.3512	2.2607
28	2.6028	4.5299

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
8	5.5260	0.2010
6	4.3248	0.2188
12	3.3375	0.3028

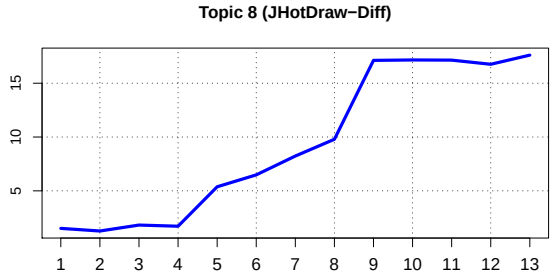
Best matching topic (Topic distance = 1.816, Evolution distance = 0.9879):



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.83	180	Worker.java	org.jhotdraw.gui
13	0.77	517	GenericListener.java	org.jhotdraw.gui.event
13	0.72	47	Nullable.java	org.jhotdraw.annotations
6	1.00	902	Methods.java	org.jhotdraw.util
6	0.91	107	Worker.java	org.jhotdraw.gui
6	0.77	510	GenericListener.java	org.jhotdraw.draw.action
6	0.67	30	LocaleUtil.java	org.jhotdraw.util
1	0.24	91	FollowURLTool.java	CH.ifa.draw.samples.javadraw
1	0.16	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.14	434	CustomSelectionTool.java	CH.ifa.draw.contrib
1	0.11	413	Figure.java	CH.ifa.draw.framework

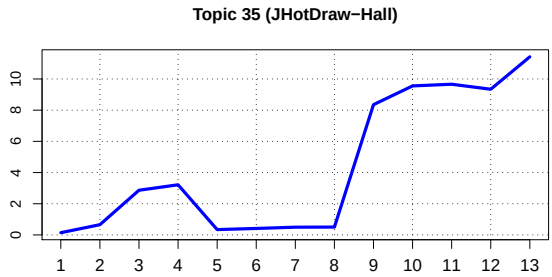
"code code", {*code method param except object return call applet invok result creat*}

Best matching topic evolution (Topic distance = 5.526, Evolution distance = 0.2010):



V	θ	Size	File	Package
13	0.99	2216	HandleAttributeKeys.java	org.jhotdraw.draw.handle
13	0.78	486	BoundsOutlineHandle.java	org.jhotdraw.draw.handle
13	0.72	351	SelectionOpacityIcon.java	org.jhotdraw.samples.svg.gui
13	0.72	327	DrawingOpacityIcon.java	org.jhotdraw.samples.svg.gui
6	0.55	278	SVGAttributeKeys.java	org.jhotdraw.samples.svg
6	0.49	1082	AttributeKeys.java	org.jhotdraw.draw
6	0.40	112	ColorAttributeIcon.java	org.jhotdraw.draw.action
6	0.37	271	AbstractLineDecoration.java	org.jhotdraw.draw
2	0.41	234	AbstractLineDecoration.java	CH.ifa.draw.figures
2	0.20	54	GroupHandle.java	CH.ifa.draw.figures
2	0.10	189	ColorMap.java	CH.ifa.draw.util
2	0.07	333	AttributeFigure.java	CH.ifa.draw.figures

"color color", {*color stroke attribut kei fill handl bound bezier transform disabl basic*}



V	θ	Size	File	Package
13	1.00	323	FontCollectionNode.java	org.jhotdraw.gui.fontchooser
13	1.00	313	FontFamilyNode.java	org.jhotdraw.gui.fontchooser
13	1.00	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.91	689	DefaultFontChooserModel.java	org.jhotdraw.gui.fontchooser
2	0.52	501	QuadTree.java	CH.ifa.draw.standard
2	0.05	210	CustomToolBar.java	CH.ifa.draw.contrib
2	0.03	1395	DrawApplet.java	CH.ifa.draw.applet
2	0.02	289	NodeFigure.java	CH.ifa.draw.samples.net
1	0.05	188	CustomToolBar.java	CH.ifa.draw.contrib
1	0.03	1189	DrawApplet.java	CH.ifa.draw.applet
1	0.03	260	NodeFigure.java	CH.ifa.draw.samples.net
1	0.02	2060	DrawApplication.java	CH.ifa.draw.application

"tree model", {*font list node famili collect select tree path model chooser face*}

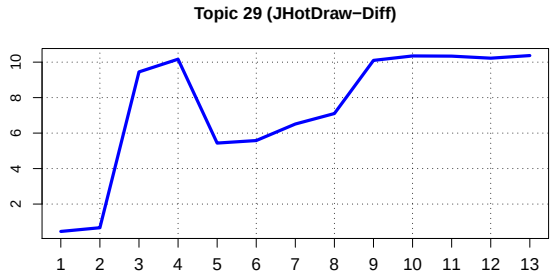
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
29	1.8479	3.8816
19	2.3123	3.6764
27	2.7735	3.8400

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
4	2.8573	1.0070
12	3.3839	1.1400
6	4.0255	1.6328

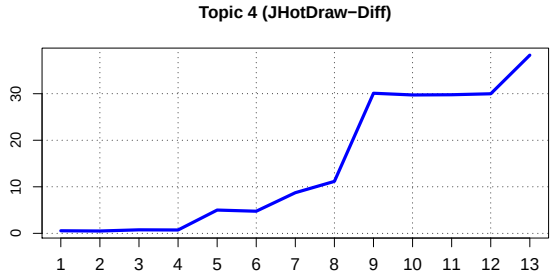
Best matching topic (Topic distance = 1.848, Evolution distance = 3.8816):



V	θ	Size	File	Package
13	0.50	34	ReversedList.java	org.jhotdraw.util
13	0.46	323	FontCollectionNode.java	org.jhotdraw.gui.fontchooser
13	0.36	313	FontFamilyNode.java	org.jhotdraw.gui.fontchooser
13	0.32	19	DefaultODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.53	32	ReversedList.java	org.jhotdraw.util
8	0.29	14	ODGFigureFactory.java	org.jhotdraw.samples.odg.io
8	0.27	512	QuadTreeDrawing.java	org.jhotdraw.draw
8	0.26	521	QuadTreeCompositeFigure.java	org.jhotdraw.draw
1	0.14	63	PolyLineLocator.java	CH.ifa.draw.figures
1	0.09	235	SelectionTool.java	CH.ifa.draw.standard
1	0.07	70	CommandChoice.java	CH.ifa.draw.util
1	0.06	352	StorageFormatManager.java	CH.ifa.draw.util

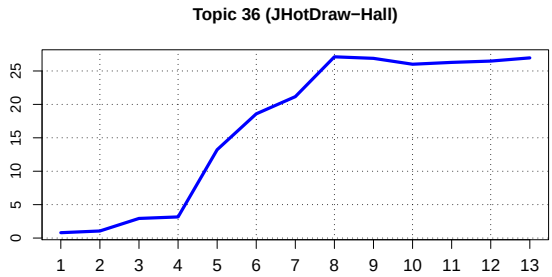
"collect factori", {*list collect iter util child factori creat add index remov jdk*}

Best matching topic evolution (Topic distance = 2.857, Evolution distance = 1.0070):



V	θ	Size	File	Package
13	0.95	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	1860	PaletteCMYKChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.94	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.89	3017	JMixer.java	org.jhotdraw.samples.color
5	0.42	707	NetProject.java	org.jhotdraw.samples.net
5	0.40	678	PertProject.java	org.jhotdraw.samples.pert
5	0.40	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.36	600	DrawProject.java	org.jhotdraw.samples.draw
2	0.25	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.24	68	GridConstrainer.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"javax swing", {*set grid field bag constraint swing javax label panel awt slider*}



V	θ	Size	File	Package
8	1.00	34	Gradient.java	org.jhotdraw.samples.odg
8	1.00	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
8	1.00	34	Gradient.java	org.jhotdraw.samples.svg
8	1.00	463	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	1.00	243	RectangleFigure.java	org.jhotdraw.draw
6	1.00	16	Gradient.java	org.jhotdraw.samples.svg
6	0.99	275	EllipseFigure.java	org.jhotdraw.draw
6	0.93	373	RoundRectangleFigure.java	org.jhotdraw.draw
1	0.45	232	RoundRectangleFigure.java	CH.ifa.draw.figures
1	0.18	158	EllipseFigure.java	CH.ifa.draw.figures
1	0.09	64	ChopEllipseConnector.java	CH.ifa.draw.figures
1	0.08	111	RadiusHandle.java	CH.ifa.draw.figures

"affin transform", {*transform rectangl figur width draw stroke handl clone bound grow shape*}

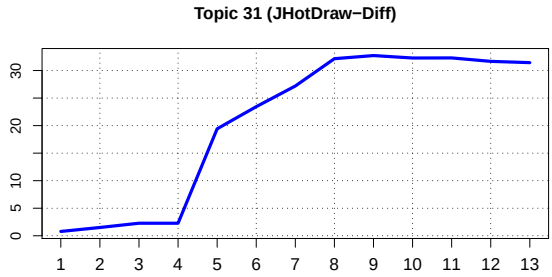
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
31	0.5573	0.0294
8	2.1588	0.6066
44	2.3354	2.8523

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
31	0.5573	0.0294
20	2.8975	0.1041
41	3.3921	0.1092

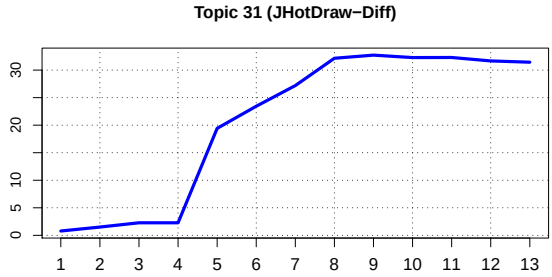
Best matching topic (Topic distance = 0.557, Evolution distance = 0.0294):



V	θ	Size	File	Package
9	0.84	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
9	0.83	231	RectangleFigure.java	org.jhotdraw.draw
9	0.80	549	ODGRectFigure.java	org.jhotdraw.samples.odg.figures
9	0.77	498	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.80	243	RectangleFigure.java	org.jhotdraw.draw
6	0.78	398	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.76	275	EllipseFigure.java	org.jhotdraw.draw
6	0.74	495	SVGRectFigure.java	org.jhotdraw.samples.svg.figures
1	0.26	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.25	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.10	50	GroupHandle.java	CH.ifa.draw.figures
1	0.09	201	URLTool.java	CH.ifa.draw.samples.javadraw

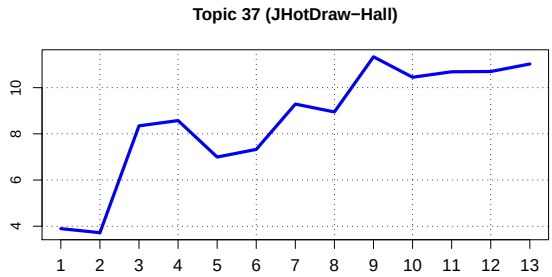
"pointd pointd", {*bound transform pointd rectangl width height set draw math kei geom*}

Best matching topic evolution (Topic distance = 0.557, Evolution distance = 0.0294):



V	θ	Size	File	Package
9	0.84	434	ODGEllipseFigure.java	org.jhotdraw.samples.odg.figures
9	0.83	231	RectangleFigure.java	org.jhotdraw.draw
9	0.80	549	ODGRectFigure.java	org.jhotdraw.samples.odg.figures
9	0.77	498	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.80	243	RectangleFigure.java	org.jhotdraw.draw
6	0.78	398	SVGEllipseFigure.java	org.jhotdraw.samples.svg.figures
6	0.76	275	EllipseFigure.java	org.jhotdraw.draw
6	0.74	495	SVGRectFigure.java	org.jhotdraw.samples.svg.figures
1	0.26	61	FigureChangeEvent.java	CH.ifa.draw.framework
1	0.25	44	DrawingChangeEvent.java	CH.ifa.draw.framework
1	0.10	50	GroupHandle.java	CH.ifa.draw.figures
1	0.09	201	URLTool.java	CH.ifa.draw.samples.javadraw

"pointd pointd", {*bound transform pointd rectangl width height set draw math kei geom*}



V	θ	Size	File	Package
9	0.82	161	TextHolderFigure.java	org.jhotdraw.draw
9	0.74	19	Options.java	org.jhotdraw.draw
9	0.66	1213	TextAreaFigure.java	org.jhotdraw.draw
9	0.60	368	FloatingTextArea.java	org.jhotdraw.draw
4	0.54	100	TextHolder.java	org.jhotdraw.standard
4	0.51	1970	TextAreaFigure.java	org.jhotdraw.contrib
4	0.51	712	TextTool.java	org.jhotdraw.figures
4	0.50	183	FloatingTextField.java	org.jhotdraw.util
2	0.52	73	TextHolder.java	CH.ifa.draw.standard
2	0.50	627	TextTool.java	CH.ifa.draw.figures
2	0.46	184	FloatingTextField.java	CH.ifa.draw.util
2	0.40	324	FontSizeHandle.java	CH.ifa.draw.figures

"text holder", {*text font figur holder edit area size tab set bound field*}

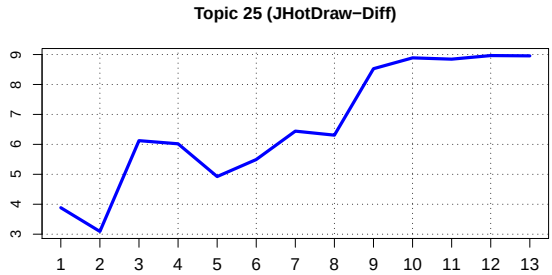
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
25	0.5131	0.0559
30	1.6406	0.7832
44	2.2894	0.2931

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
25	0.5131	0.0559
36	5.2220	0.0716
14	3.1940	0.0875

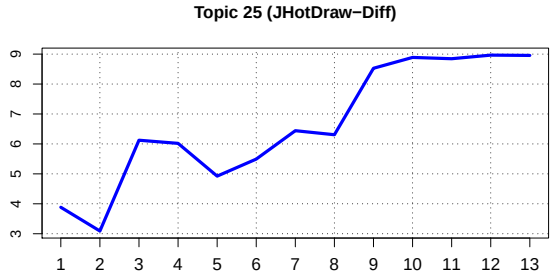
Best matching topic (Topic distance = 0.513, Evolution distance = 0.0559):



V	θ	Size	File	Package
12	0.68	416	TextAreaEditingTool.java	org.jhotdraw.draw.tool
12	0.61	436	FloatingTextArea.java	org.jhotdraw.draw.text
12	0.59	397	TextEditingTool.java	org.jhotdraw.draw.tool
12	0.52	659	TextAreaCreationTool.java	org.jhotdraw.draw.tool
3	0.62	104	TextHolder.java	CH.ifa.draw.standard
3	0.57	187	FloatingTextField.java	CH.ifa.draw.util
3	0.51	966	TextAreaTool.java	CH.ifa.draw.contrib
3	0.51	724	TextTool.java	CH.ifa.draw.figures
2	0.62	73	TextHolder.java	CH.ifa.draw.standard
2	0.58	184	FloatingTextField.java	CH.ifa.draw.util
2	0.52	627	TextTool.java	CH.ifa.draw.figures
2	0.41	222	URLTool.java	CH.ifa.draw.samples.javadraw

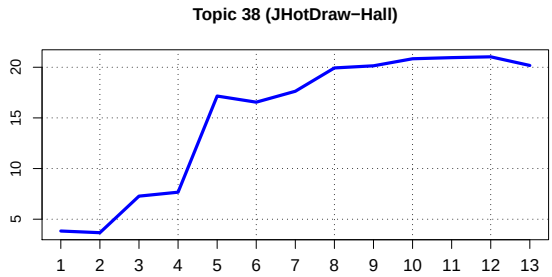
"text area", {*text figur holder area edit set field type creat overlai target*}

Best matching topic evolution (Topic distance = 0.513, Evolution distance = 0.0559):



V	θ	Size	File	Package
12	0.68	416	TextAreaEditingTool.java	org.jhotdraw.draw.tool
12	0.61	436	FloatingTextArea.java	org.jhotdraw.draw.text
12	0.59	397	TextEditingTool.java	org.jhotdraw.draw.tool
12	0.52	659	TextAreaCreationTool.java	org.jhotdraw.draw.tool
3	0.62	104	TextHolder.java	CH.ifa.draw.standard
3	0.57	187	FloatingTextField.java	CH.ifa.draw.util
3	0.51	966	TextAreaTool.java	CH.ifa.draw.contrib
3	0.51	724	TextTool.java	CH.ifa.draw.figures
2	0.62	73	TextHolder.java	CH.ifa.draw.standard
2	0.58	184	FloatingTextField.java	CH.ifa.draw.util
2	0.52	627	TextTool.java	CH.ifa.draw.figures
2	0.41	222	URLTool.java	CH.ifa.draw.samples.javadraw

"text area", {*text figur holder area edit set field type creat overlai target*}



V	θ	Size	File	Package
12	0.96	503	QuadTreeDrawing.java	org.jhotdraw.draw
12	0.93	535	QuadTreeCompositeFigure.java	org.jhotdraw.draw
12	0.92	349	DefaultDrawing.java	org.jhotdraw.draw
12	0.89	36	FigureLayerComparator.java	org.jhotdraw.draw
5	0.94	31	FigureLayerComparator.java	org.jhotdraw.draw
5	0.89	426	QuadTreeDrawing.java	org.jhotdraw.draw
5	0.83	398	DefaultDrawing.java	org.jhotdraw.draw
5	0.79	242	CompositeFigure.java	org.jhotdraw.draw
2	0.49	1296	CompositeFigure.java	CH.ifa.draw.standard
2	0.45	635	Drawing.java	CH.ifa.draw.framework
2	0.43	600	GraphicalCompositeFigure.java	CH.ifa.draw.contrib
2	0.33	58	OrderedFigureElement.java	CH.ifa.draw.standard

"figur figur", {*figur draw child composit children add list remov present group bound*}

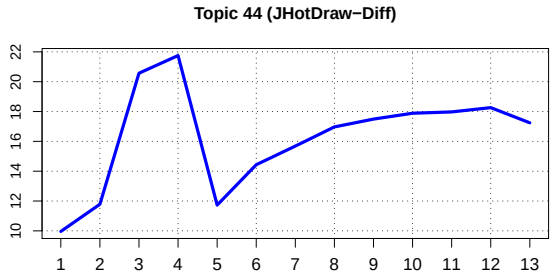
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
44	0.7694	1.3948
29	1.8796	1.1369
33	2.2284	0.5645

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
41	4.0918	0.1913
21	4.6298	0.2751
19	3.4083	0.2827

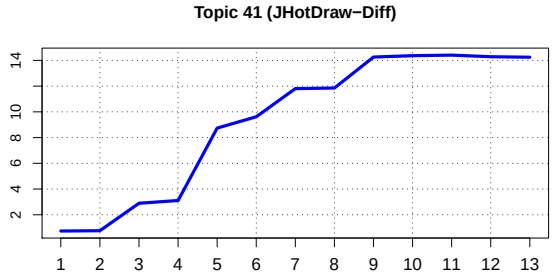
Best matching topic (Topic distance = 0.769, Evolution distance = 1.3948):



V	θ	Size	File	Package
4	0.57	100	BouncingDrawing.java	org.jhotdraw.samples.javadraw
4	0.49	141	NestedCreationTool.java	org.jhotdraw.contrib
4	0.47	152	CompositeFigureCreationTool.java	org.jhotdraw.contrib
4	0.44	641	DecoratorFigure.java	org.jhotdraw.standard
8	0.60	43	DecoratedFigure.java	org.jhotdraw.draw
8	0.44	48	FigureAdapter.java	org.jhotdraw.draw
8	0.38	34	CompositeFigureListener.java	org.jhotdraw.draw
8	0.34	85	FigureListener.java	org.jhotdraw.draw
1	0.52	671	CompositeFigure.java	CH.ifa.draw.standard
1	0.47	75	BouncingDrawing.java	CH.ifa.draw.samples.javadraw
1	0.38	410	DecoratorFigure.java	CH.ifa.draw.standard
1	0.38	343	Drawing.java	CH.ifa.draw.framework

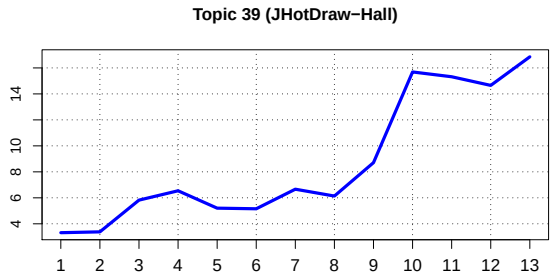
"figur figur", {*figur draw set composit add contain decor group clone insert creat*}

Best matching topic evolution (Topic distance = 4.092, Evolution distance = 0.1913):



V	θ	Size	File	Package
11	0.59	919	SVGConstants.java	org.jhotdraw.samples.svg
11	0.51	614	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
11	0.50	572	AbstractAttributedFigure.java	org.jhotdraw.draw
11	0.43	135	PickAttributesAction.java	org.jhotdraw.draw.action
6	0.64	701	SVGConstants.java	org.jhotdraw.samples.svg
6	0.57	156	AttributeKey.java	org.jhotdraw.draw
6	0.55	632	AbstractAttributedCompositeFigure.java	org.jhotdraw.draw
6	0.52	644	AbstractAttributedFigure.java	org.jhotdraw.draw
1	0.20	162	ColorMap.java	CH.ifa.draw.util
1	0.19	72	ChangeAttributeCommand.java	CH.ifa.draw.standard
1	0.12	252	FigureAttributes.java	CH.ifa.draw.figures
1	0.06	229	Iconkit.java	CH.ifa.draw.util

"map put", {*attribut map kei put set object hash entri basic valu link*}



V	θ	Size	File	Package
13	0.45	66	DOMStorable.java	org.jhotdraw.xml
13	0.43	61	Locator.java	org.jhotdraw.draw.locator
13	0.41	44	PrintableView.java	org.jhotdraw.app
13	0.38	399	Handle.java	org.jhotdraw.draw.handle
8	0.33	203	DependencyFigure.java	org.jhotdraw.samples.pert.figures
8	0.32	668	TaskFigure.java	org.jhotdraw.samples.pert.figures
8	0.30	54	Liner.java	org.jhotdraw.draw
8	0.29	109	Layouter.java	org.jhotdraw.draw
1	0.47	204	Handle.java	CH.ifa.draw.framework
1	0.41	233	AbstractHandle.java	CH.ifa.draw.standard
1	0.26	136	PertDependency.java	CH.ifa.draw.samples.pert
1	0.20	573	PertFigure.java	CH.ifa.draw.samples.pert

"start time", {*link code return param task target method figur handl pert start*}

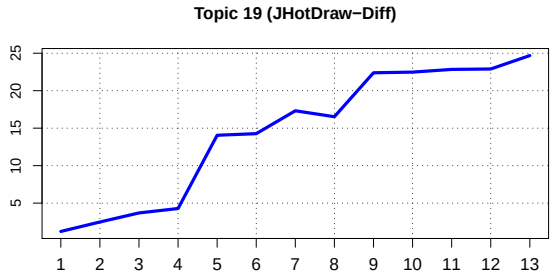
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
19	1.6680	0.9638
44	2.6526	1.8434
9	2.7946	0.0749

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
9	2.7946	0.0749
18	4.2880	0.3075
1	3.7095	0.4566

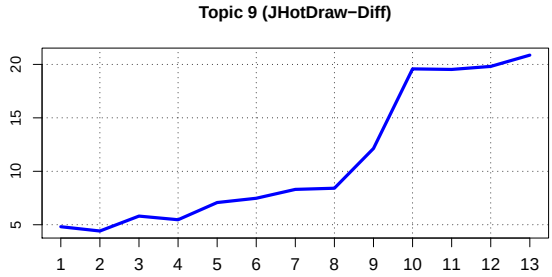
Best matching topic (Topic distance = 1.668, Evolution distance = 0.9638):



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.83	180	Worker.java	org.jhotdraw.gui
13	0.77	517	GenericListener.java	org.jhotdraw.gui.event
13	0.72	47	Nullable.java	org.jhotdraw.annotations
6	1.00	902	Methods.java	org.jhotdraw.util
6	0.91	107	Worker.java	org.jhotdraw.gui
6	0.77	510	GenericListener.java	org.jhotdraw.draw.action
6	0.67	30	LocaleUtil.java	org.jhotdraw.util
1	0.24	91	FollowURLTool.java	CH.ifa.draw.samples.javadraw
1	0.16	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.14	434	CustomSelectionTool.java	CH.ifa.draw.contrib
1	0.11	413	Figure.java	CH.ifa.draw.framework

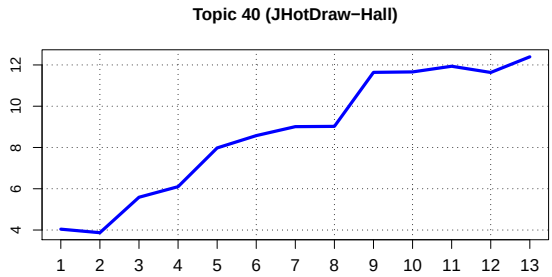
"code code", {*code method param except object return call applet invok result creat*}

Best matching topic evolution (Topic distance = 2.795, Evolution distance = 0.0749):



V	θ	Size	File	Package
13	1.00	56	HandleTracker.java	org.jhotdraw.draw.tool
13	1.00	46	SelectAreaTracker.java	org.jhotdraw.draw.tool
13	0.78	83	DragTracker.java	org.jhotdraw.draw.tool
13	0.65	80	HandleListener.java	org.jhotdraw.draw.event
6	0.59	39	HandleListener.java	org.jhotdraw.draw
6	0.57	21	FigureSelectionListener.java	org.jhotdraw.draw
6	0.57	144	SelectAreaTracker.java	org.jhotdraw.draw
6	0.48	357	SelectionTool.java	org.jhotdraw.draw
2	0.41	54	PointConstrainer.java	CH.ifa.draw.framework
2	0.37	567	DrawingView.java	CH.ifa.draw.framework
2	0.34	669	NullDrawingView.java	CH.ifa.draw.standard
2	0.33	1697	StandardDrawingView.java	CH.ifa.draw.standard

"handl handl", {*select handl draw link constrain area view tracker kei evt point*}



V	θ	Size	File	Package
13	1.00	623	`VerticalGridLayout.java`	`org.jhotdraw.gui`
13	1.00	427	`Insets2D.java`	`org.jhotdraw.geom`
13	0.95	227	`ToolBarLayout.java`	`org.jhotdraw.gui`
13	0.80	315	`VerticalLayouter.java`	`org.jhotdraw.draw.layouter`
6	1.00	412	`Insets2D.java`	`org.jhotdraw.geom`
6	1.00	616	`VerticalGridLayout.java`	`org.jhotdraw.draw.action`
6	0.81	204	`VerticalLayouter.java`	`org.jhotdraw.draw`
6	0.69	300	`Dimension2DDouble.java`	`org.jhotdraw.geom`
2	0.70	185	`PaletteLayout.java`	`CH.ifa.draw.util`
2	0.63	43	`Layoutable.java`	`CH.ifa.draw.contrib`
2	0.50	395	`StandardLayouter.java`	`CH.ifa.draw.contrib`
2	0.41	175	`AutoscrollHelper.java`	`CH.ifa.draw.contrib`

"inset inset", {*inset layout width height left bound size top bottom prefer compon*}

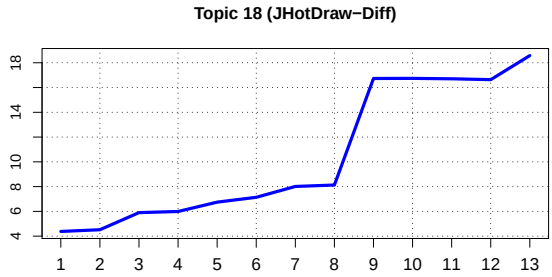
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
18	1.1711	0.4172
14	2.1514	0.2777
19	2.3270	0.4916

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
36	5.7127	0.0682
25	4.8348	0.1254
11	4.3496	0.1544

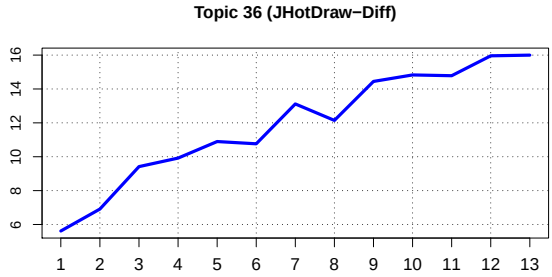
Best matching topic (Topic distance = 1.171, Evolution distance = 0.4172):



V	θ	Size	File	Package
13	0.95	111	`BackdropBorder.java`	`org.jhotdraw.gui.plaf.palette`
13	0.85	12	`PaletteBorders.java`	`org.jhotdraw.gui.plaf.palette`
13	0.65	135	`PalettePanelUI.java`	`org.jhotdraw.gui.plaf.palette`
13	0.64	427	`Insets2D.java`	`org.jhotdraw.geom`
6	0.67	412	`Insets2D.java`	`org.jhotdraw.geom`
6	0.60	654	`ImageBevelBorder.java`	`org.jhotdraw.quaqua`
6	0.51	613	`PreferencesUtil.java`	`org.jhotdraw.util.prefs`
6	0.51	300	`Dimension2DDouble.java`	`org.jhotdraw.geom`
1	0.80	46	`Filler.java`	`CH.ifa.draw.util`
1	0.55	161	`PaletteLayout.java`	`CH.ifa.draw.util`
1	0.47	53	`PaletteIcon.java`	`CH.ifa.draw.util`
1	0.42	171	`BorderDecorator.java`	`CH.ifa.draw.figures`

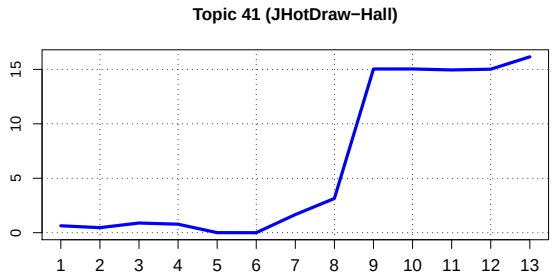
"width height", {*size width height inset border left top bottom rect dimens set*}

Best matching topic evolution (Topic distance = 5.713, Evolution distance = 0.0682):



V	θ	Size	File	Package
13	0.60	68	`AbstractColorSlidersModel.java`	`org.jhotdraw.color`
13	0.55	132	`AbstractConstrainer.java`	`org.jhotdraw.draw`
13	0.52	313	`AbstractBean.java`	`org.jhotdraw.beans`
13	0.46	143	`WeakPropertyChangeListener.java`	`org.jhotdraw.beans`
5	0.47	80	`DrawingEvent.java`	`org.jhotdraw.draw`
5	0.46	59	`FigureListener.java`	`org.jhotdraw.draw`
5	0.45	152	`AbstractBean.java`	`org.jhotdraw.beans`
5	0.42	36	`AbstractFigureListener.java`	`org.jhotdraw.draw`
1	0.68	203	`FigureChangeEventMulticaster.java`	`CH.ifa.draw.standard`
1	0.63	30	`DrawingChangeListener.java`	`CH.ifa.draw.framework`
1	0.63	54	`FigureChangeListener.java`	`CH.ifa.draw.framework`
1	0.48	44	`FigureChangeAdapter.java`	`CH.ifa.draw.standard`

"chang listen", {*listen chang event remov add invalid request updat fire area object*}



V	θ	Size	File	Package
13	1.00	1574	CanvasToolBar.java	org.jhotdraw.samples.svg.gui
13	0.99	587	FigureToolBar.java	org.jhotdraw.samples.svg.gui
13	0.95	375	AlignToolBar.java	org.jhotdraw.samples.svg.gui
13	0.93	1448	FontToolBar.java	org.jhotdraw.samples.svg.gui
3	0.37	38	PaletteListener.java	CH.ifa.draw.util
3	0.23	60	PaletteIcon.java	CH.ifa.draw.util
3	0.10	205	PaletteButton.java	CH.ifa.draw.util
3	0.09	308	ToolButton.java	CH.ifa.draw.standard
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA

"field set", {*field gbc set button grid label opac bag editor palett btn*}

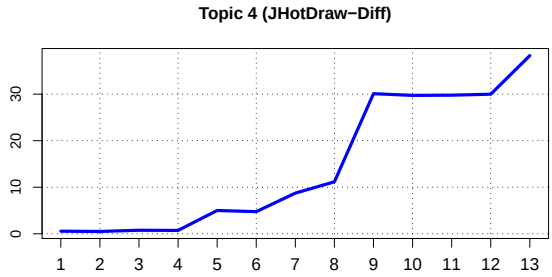
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
4	0.7383	0.4536
11	1.4193	5.3321
16	2.4241	6.7161

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
4	0.7383	0.4536
12	3.4115	0.6660
6	3.3096	0.7967

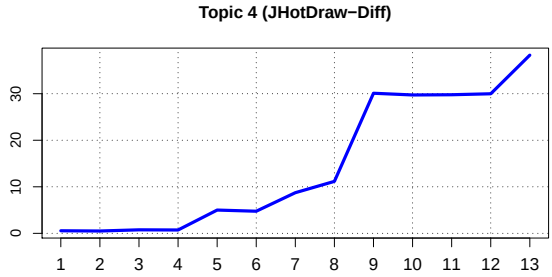
Best matching topic (Topic distance = 0.738, Evolution distance = 0.4536):



V	θ	Size	File	Package
13	0.95	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	1860	PaletteCMYKChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.94	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.89	3017	JMixer.java	org.jhotdraw.samples.color
5	0.42	707	NetProject.java	org.jhotdraw.samples.net
5	0.40	678	PertProject.java	org.jhotdraw.samples.pert
5	0.40	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.36	600	DrawProject.java	org.jhotdraw.samples.draw
2	0.25	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.24	68	GridConstrainer.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

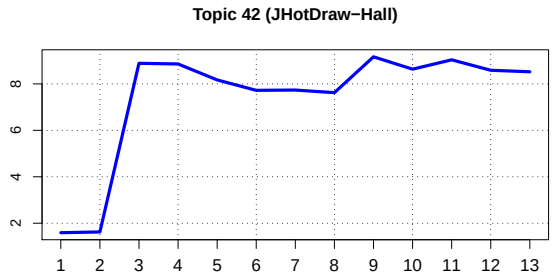
"javax swing", {*set grid field bag constraint swing javax label panel awt slider*}

Best matching topic evolution (Topic distance = 0.738, Evolution distance = 0.4536):



V	θ	Size	File	Package
13	0.95	1391	PaletteHSBChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.95	1860	PaletteCMYKChooser.java	org.jhotdraw.gui.plaf.palette.colorchooser
13	0.94	16	FontChooserUI.java	org.jhotdraw.gui.plaf
13	0.89	3017	JMixer.java	org.jhotdraw.samples.color
5	0.42	707	NetProject.java	org.jhotdraw.samples.net
5	0.40	678	PertProject.java	org.jhotdraw.samples.pert
5	0.40	577	SVGProject.java	org.jhotdraw.samples.svg
5	0.36	600	DrawProject.java	org.jhotdraw.samples.draw
2	0.25	80	ToggleGridCommand.java	CH.ifa.draw.standard
2	0.24	68	GridConstrainer.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"javax swing", {*set grid field bag constraint swing javax label panel awt slider*}



V	θ	Size	File	Package
9	1.00	481	DrawApplet.java	org.jhotdraw.samples.draw
9	1.00	484	NetApplet.java	org.jhotdraw.samples.net
9	1.00	464	PertApplet.java	org.jhotdraw.samples.pert
9	0.95	610	DrawLiveConnectApplet.java	org.jhotdraw.samples.draw
5	1.00	385	SVGApplet.java	org.jhotdraw.samples.svg
5	0.97	597	SVGLiveConnectApplet.java	org.jhotdraw.samples.svg
5	0.94	417	PertApplet.java	org.jhotdraw.samples.pert
5	0.93	424	DrawApplet.java	org.jhotdraw.samples.draw
1	0.47	141	JavaDrawViewer.java	CH.ifa.draw.samples.javadraw
1	0.38	91	FollowURLTool.java	CH.ifa.draw.samples.javadraw
1	0.26	229	Iconkit.java	CH.ifa.draw.util
1	0.15	1189	DrawApplet.java	CH.ifa.draw.applet

"content produc", {*draw set paramet applet content url input produc format text result*}

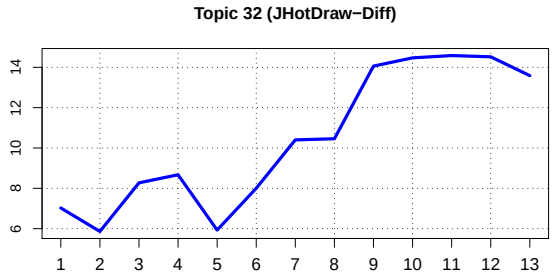
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
32	1.7222	0.6869
19	1.7317	1.5445
13	2.0394	14.3200

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
14	3.2122	0.2605
29	3.0896	0.3139
36	4.7390	0.3740

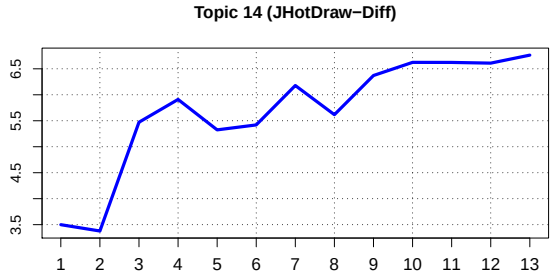
Best matching topic (Topic distance = 1.722, Evolution distance = 0.6869):



V	θ	Size	File	Package
11	0.92	114	QuickAndDirtyDOMStorableSample.java	org.jhotdraw.samples.mini
11	0.88	119	DefaultDOMStorableSample.java	org.jhotdraw.samples.mini
11	0.62	2103	Base64.java	org.jhotdraw.io
11	0.55	30	DOMStorable.java	org.jhotdraw.xml
4	0.86	37	Storable.java	org.jhotdraw.util
4	0.71	219	StorableOutput.java	org.jhotdraw.util
4	0.62	244	StorableInput.java	org.jhotdraw.util
4	0.58	101	OffsetLocator.java	org.jhotdraw.standard
2	0.87	39	Storable.java	CH.ifa.draw.util
2	0.67	209	StorableOutput.java	CH.ifa.draw.util
2	0.61	224	StorableInput.java	CH.ifa.draw.util
2	0.55	107	OffsetLocator.java	CH.ifa.draw.standard

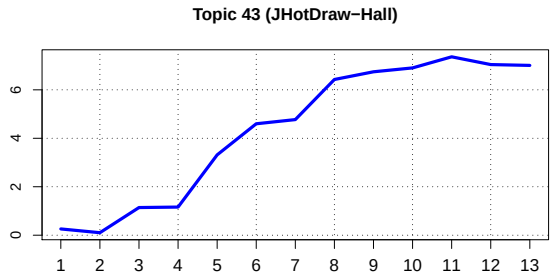
"input stream", {*input read output write stream storabl ioexcept format file object data*}

Best matching topic evolution (Topic distance = 3.212, Evolution distance = 0.2605):



V	θ	Size	File	Package
13	0.66	29	AbstractLayouter.java	org.jhotdraw.draw.layouter
13	0.65	98	Layouter.java	org.jhotdraw.draw.layouter
13	0.59	623	VerticalGridLayout.java	org.jhotdraw.gui
13	0.46	315	VerticalLayouter.java	org.jhotdraw.draw.layouter
8	0.59	616	VerticalGridLayout.java	org.jhotdraw.draw.action
8	0.59	109	Layouter.java	org.jhotdraw.draw
8	0.45	29	AbstractLayouter.java	org.jhotdraw.draw
8	0.44	203	VerticalLayouter.java	org.jhotdraw.draw
2	0.79	124	Layouter.java	CH.ifa.draw.contrib
2	0.58	43	Layoutable.java	CH.ifa.draw.contrib
2	0.47	395	StandardLayouter.java	CH.ifa.draw.contrib
2	0.44	600	GraphicalCompositeFigure.java	CH.ifa.draw.contrib

"layout layout", {*layout pert inset composit task present set compon contain point child*}



V	θ	Size	File	Package
11	1.00	99	ODGConstants.java	org.jhotdraw.samples.odg
11	1.00	919	SVGConstants.java	org.jhotdraw.samples.svg
11	0.74	483	SVGAttributeKeys.java	org.jhotdraw.samples.svg
11	0.69	428	ODGAttributeKeys.java	org.jhotdraw.samples.odg
6	1.00	701	SVGConstants.java	org.jhotdraw.samples.svg
6	0.72	1082	AttributeKeys.java	org.jhotdraw.draw
6	0.65	278	SVGAttributeKeys.java	org.jhotdraw.samples.svg
6	0.41	271	AbstractLineDecoration.java	org.jhotdraw.draw
2	0.06	263	Iconkit.java	CH.ifa.draw.util
2	0.04	224	StorableInput.java	CH.ifa.draw.util
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"stroke dash", {*stroke color map put fill width dash text font miter basic*}

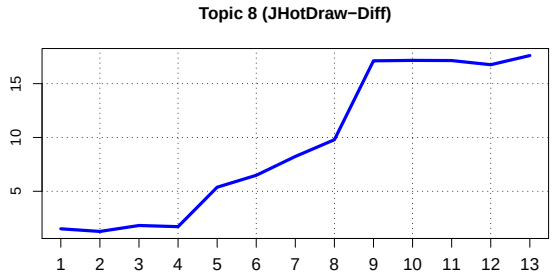
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
8	1.8695	0.4109
12	2.6932	1.6930
20	3.1860	0.2204

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
27	4.5667	0.0823
41	3.4562	0.0859
31	3.7201	0.1038

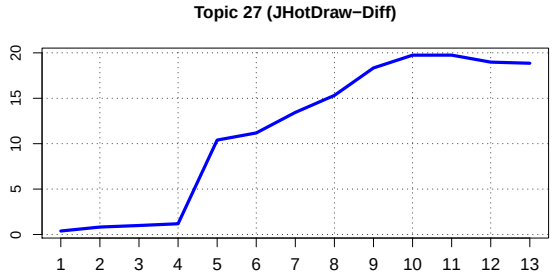
Best matching topic (Topic distance = 1.869, Evolution distance = 0.4109):



V	θ	Size	File	Package
13	0.99	2216	HandleAttributeKeys.java	org.jhotdraw.draw.handle
13	0.78	486	BoundsOutlineHandle.java	org.jhotdraw.draw.handle
13	0.72	351	SelectionOpacityIcon.java	org.jhotdraw.samples.svg.gui
13	0.72	327	DrawingOpacityIcon.java	org.jhotdraw.samples.svg.gui
6	0.55	278	SVGAttributeKeys.java	org.jhotdraw.samples.svg
6	0.49	1082	AttributeKeys.java	org.jhotdraw.draw
6	0.40	112	ColorAttributeIcon.java	org.jhotdraw.draw.action
6	0.37	271	AbstractLineDecoration.java	org.jhotdraw.draw
2	0.41	234	AbstractLineDecoration.java	CH.ifa.draw.figures
2	0.20	54	GroupHandle.java	CH.ifa.draw.figures
2	0.10	189	ColorMap.java	CH.ifa.draw.util
2	0.07	333	AttributeFigure.java	CH.ifa.draw.figures

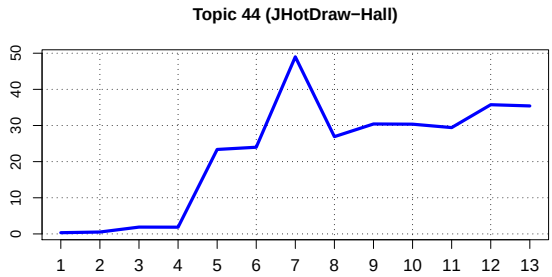
"color color", {*color stroke attribut kei fill handl bound bezier transform disabl basic*}

Best matching topic evolution (Topic distance = 4.567, Evolution distance = 0.0823):



V	θ	Size	File	Package
11	0.97	635	BezierPathIterator.java	org.jhotdraw.geom
11	0.76	1692	BezierPath.java	org.jhotdraw.geom
11	0.73	332	CurvedLiner.java	org.jhotdraw.draw
11	0.72	1497	BezierPathTest.java	org.jhotdraw.geom
6	0.81	1159	Bezier.java	org.jhotdraw.geom
6	0.74	1434	BezierPath.java	org.jhotdraw.geom
6	0.72	1496	BezierPathTest.java	org.jhotdraw.geom
6	0.71	177	GrowStroke.java	org.jhotdraw.geom
1	0.13	76	PolyLineHandle.java	CH.ifa.draw.figures
1	0.12	80	PolygonHandle.java	CH.ifa.draw.contrib
1	0.04	233	ConnectionFigure.java	CH.ifa.draw.framework
1	0.03	95	NetApp.java	CH.ifa.draw.samples.net

"path path", {*path node bezier index pointd point mask geom coord gener curv*}



V	θ	Size	File	Package
7	1.00	162	LoadAction.java	org.jhotdraw.app.action
7	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
7	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
7	1.00	86	NewAction.java	org.jhotdraw.app.action
6	1.00	162	LoadAction.java	org.jhotdraw.app.action
6	1.00	188	LoadRecentAction.java	org.jhotdraw.app.action
6	1.00	74	MaximizeAction.java	org.jhotdraw.app.action
6	1.00	72	MinimizeAction.java	org.jhotdraw.app.action
1	0.10	270	SplitPaneDrawApplication.java	CH.ifa.draw.contrib
1	0.07	672	MDI_DrawApplication.java	CH.ifa.draw.contrib
1	0.06	133	PertApplication.java	CH.ifa.draw.samples.pert
1	0.04	47	AbstractLocator.java	CH.ifa.draw.standard

"recent file", {*view file applic app action project set chooser open util save*}

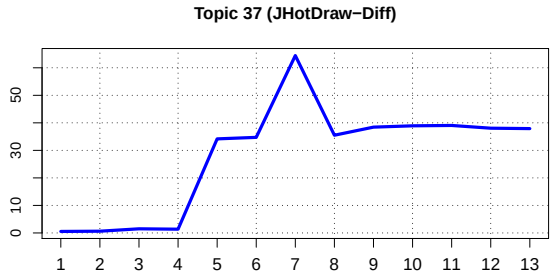
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
37	0.6675	0.1145
21	1.5383	0.6799
24	1.6720	0.1771

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
37	0.6675	0.1145
24	1.6720	0.1771
20	3.3551	0.5059

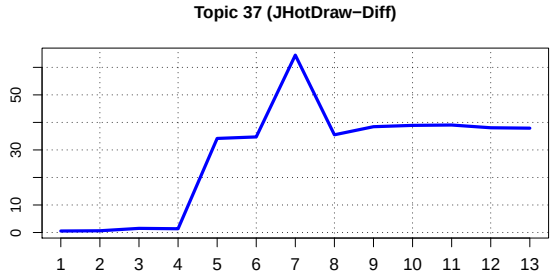
Best matching topic (Topic distance = 0.667, Evolution distance = 0.1145):



V	θ	Size	File	Package
7	1.00	50	ClearAction.java	org.jhotdraw.app.action
7	1.00	33	SaveAsAction.java	org.jhotdraw.application.action
7	0.99	75	DuplicateAction.java	org.jhotdraw.app.action
7	0.98	43	SaveAsAction.java	org.jhotdraw.app.action
6	1.00	50	ClearAction.java	org.jhotdraw.app.action
6	0.99	75	DuplicateAction.java	org.jhotdraw.app.action
6	0.98	43	SaveAsAction.java	org.jhotdraw.app.action
6	0.96	93	CopyAction.java	org.jhotdraw.app.action
1	0.21	58	ActionTool.java	CH.ifa.draw.standard
1	0.09	95	NetApp.java	CH.ifa.draw.samples.net
1	0.08	170	FloatingTextField.java	CH.ifa.draw.util
1	0.06	52	Command.java	CH.ifa.draw.util

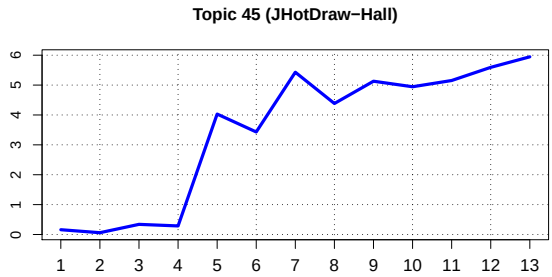
"app action", {*action project applic app docum enabl util event label focu creat*}

Best matching topic evolution (Topic distance = 0.667, Evolution distance = 0.1145):



V	θ	Size	File	Package
7	1.00	50	ClearAction.java	org.jhotdraw.app.action
7	1.00	33	SaveAsAction.java	org.jhotdraw.application.action
7	0.99	75	DuplicateAction.java	org.jhotdraw.app.action
7	0.98	43	SaveAsAction.java	org.jhotdraw.app.action
6	1.00	50	ClearAction.java	org.jhotdraw.app.action
6	0.99	75	DuplicateAction.java	org.jhotdraw.app.action
6	0.98	43	SaveAsAction.java	org.jhotdraw.app.action
6	0.96	93	CopyAction.java	org.jhotdraw.app.action
1	0.21	58	ActionTool.java	CH.ifa.draw.standard
1	0.09	95	NetApp.java	CH.ifa.draw.samples.net
1	0.08	170	FloatingTextField.java	CH.ifa.draw.util
1	0.06	52	Command.java	CH.ifa.draw.util

"app action", {*action project applic app docum enabl util event label focu creat*}



V	θ	Size	File	Package
13	1.00	3739	JSheet.java	org.jhotdraw.gui
13	0.93	30	SheetListener.java	org.jhotdraw.gui.event
13	0.91	156	SheetEvent.java	org.jhotdraw.gui.event
13	0.64	671	URIChooser.java	org.jhotdraw.gui
5	1.00	3108	JSheet.java	org.jhotdraw.gui
5	1.00	28	SheetListener.java	org.jhotdraw.gui.event
5	0.92	129	SheetEvent.java	org.jhotdraw.gui.event
5	0.23	680	ExitAction.java	org.jhotdraw.app.action
2	0.04	2632	DrawApplication.java	CH.ifa.draw.application
2	0.02	503	DecoratorFigure.java	CH.ifa.draw.standard
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"option pane", {*code sheet pane messag listen option dialog compon parent owner joption*}

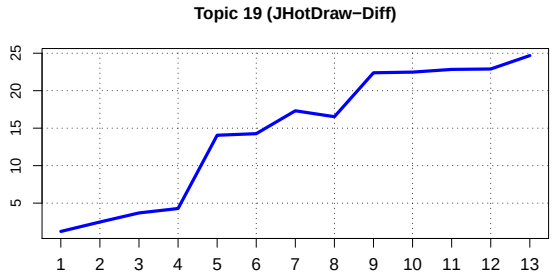
Top 3 matching topics in JHotDraw-Diff:

Topic	Dist.	EvoDist.
19	1.8636	0.1908
36	2.4271	1.3542
24	2.5555	0.3210

Top 3 matching topic evolutions in JHotDraw-Diff:

Topic	Dist.	EvoDist.
20	3.2340	0.1359
34	3.0810	0.1683
31	3.4818	0.1788

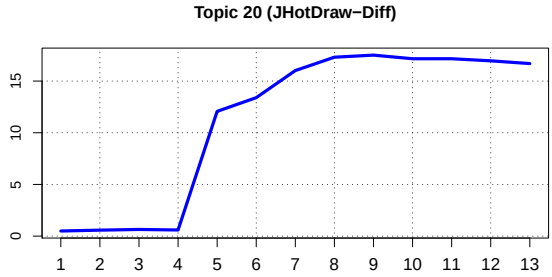
Best matching topic (Topic distance = 1.864, Evolution distance = 0.1908):



V	θ	Size	File	Package
13	1.00	902	Methods.java	org.jhotdraw.util
13	0.83	180	Worker.java	org.jhotdraw.gui
13	0.77	517	GenericListener.java	org.jhotdraw.gui.event
13	0.72	47	Nullable.java	org.jhotdraw.annotations
6	1.00	902	Methods.java	org.jhotdraw.util
6	0.91	107	Worker.java	org.jhotdraw.gui
6	0.77	510	GenericListener.java	org.jhotdraw.draw.action
6	0.67	30	LocaleUtil.java	org.jhotdraw.util
1	0.24	91	FollowURLTool.java	CH.ifa.draw.samples.javadraw
1	0.16	31	FigureEnumeration.java	CH.ifa.draw.framework
1	0.14	434	CustomSelectionTool.java	CH.ifa.draw.contrib
1	0.11	413	Figure.java	CH.ifa.draw.framework

"code code", {*code method param except object return call applet invok result creat*}

Best matching topic evolution (Topic distance = 3.234, Evolution distance = 0.1359):

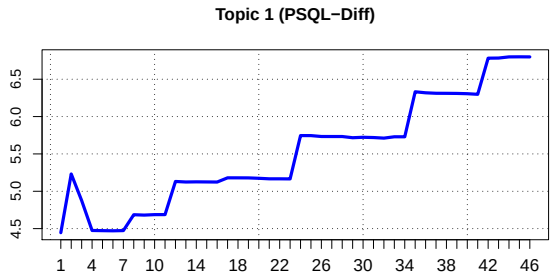


V	θ	Size	File	Package
9	0.94	191	DOMOutput.java	org.jhotdraw.xml
9	0.85	142	ODGDrawing.java	org.jhotdraw.samples.odg
9	0.85	479	NanoXMLDOMInput.java	org.jhotdraw.xml
9	0.85	156	DOMInput.java	org.jhotdraw.xml
6	0.98	181	DOMOutput.java	org.jhotdraw.xml
6	0.92	61	StyleManager.java	org.jhotdraw.xml.css
6	0.90	146	DOMInput.java	org.jhotdraw.xml
6	0.87	469	NanoXMLDOMInput.java	org.jhotdraw.xml
1	0.20	177	StorableInput.java	CH.ifa.draw.util
1	0.20	66	NumberTextFigure.java	CH.ifa.draw.figures
1	0.04	550	PolyLineFigure.java	CH.ifa.draw.figures
1	0.02	573	PertFigure.java	CH.ifa.draw.samples.pert

"open elem", {*elem attribut number read ioexcept str style current object text buf*}

2 PostgreSQL

2.1 Diff



V	θ	Size	File	Package
45	0.83	2370	list.c	src.backend.nodes
45	0.50	192	dllist.c	src.backend.lib
45	0.16	869	prepqual.c	src.backend.optimizer.prep
45	0.13	472	tlist.c	src.backend.optimizer.util
2	0.77	602	list.c	src.backend.nodes
2	0.48	213	dllist.c	src.backend.lib
2	0.43	87	lispsort.c	src.backend.lib
2	0.23	225	tuplelist.c	src.interfaces.odbc
1	0.77	602	list.c	src.backend.nodes
1	0.48	213	dllist.c	src.backend.lib
1	0.43	87	lispsort.c	src.backend.lib
1	0.16	370	temprel.c	src.backend.utils.cache

"list list", {*list cell lfirst nil head foreach oid length lappend member prev*}

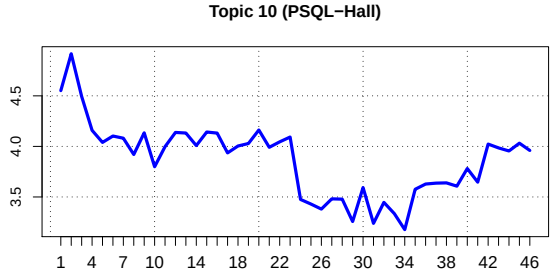
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
10	2.0334	0.0778
36	2.2763	0.0347
47	2.3319	0.0152

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
85	3.2140	0.0056
41	3.6429	0.0065
50	3.8944	0.0069

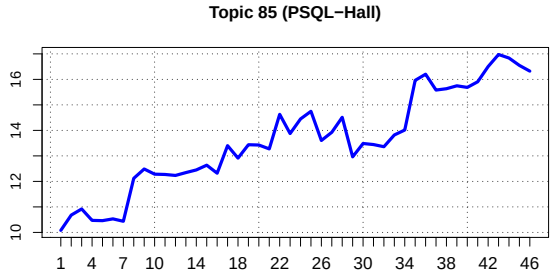
Best matching topic (Topic distance = 2.033, Evolution distance = 0.0778):



V	θ	Size	File	Package
2	0.94	602	list.c	src.backend.nodes
2	0.77	213	dllist.c	src.backend.lib
2	0.52	3531	createplan.c	src.backend.optimizer.plan
2	0.49	87	lispsort.c	src.backend.lib
46	0.99	2370	list.c	src.backend.nodes
46	0.80	192	dllist.c	src.backend.lib
46	0.45	8488	createplan.c	src.backend.optimizer.plan
46	0.41	3699	setrefs.c	src.backend.optimizer.plan
34	0.99	2370	list.c	src.backend.nodes
34	0.67	233	dllist.c	src.backend.lib
34	0.50	7152	createplan.c	src.backend.optimizer.plan
34	0.42	3422	setrefs.c	src.backend.optimizer.plan

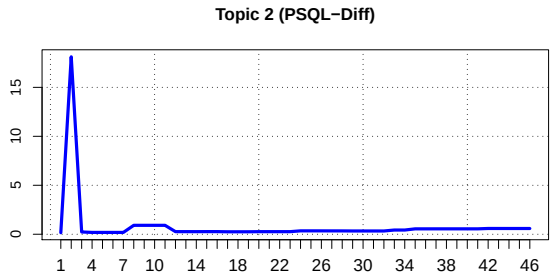
"plan plan", {*list plan scan node tlist cell join qual subplan lefttre index*}

Best matching topic evolution (Topic distance = 3.214, Evolution distance = 0.0056):



V	θ	Size	File	Package
43	1.00	575	like.c	src.backend.utils.adt
43	1.00	127	quote.c	src.backend.utils.adt
43	0.96	297	like_match.c	src.backend.utils.adt
43	0.85	27	version.c	src.backend.utils.adt
19	1.00	721	like.c	src.backend.utils.adt
19	1.00	279	like_match.c	src.backend.utils.adt
19	1.00	170	quote.c	src.backend.utils.adt
19	0.92	1071	oracle_compat.c	src.backend.utils.adt
1	0.89	1043	varlena.c	src.backend.utils.adt
1	0.88	249	like.c	src.backend.utils.adt
1	0.79	663	oracle_compat.c	src.backend.utils.adt
1	0.78	1038	varchar.c	src.backend.utils.adt

"free copi", {*text len result varhdrsz arg vardata varsiz bytea getarg str datum*}



V	θ	Size	File	Package
2	1.00	2051	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc2
2	1.00	2084	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc2
2	1.00	1458	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc1
2	0.99	670	CallableStatement.java	src.interfaces.jdbc.postgresql.jdbc2
28	0.08	1564	rowtypes.c	src.backend.utils.adt
28	0.04	235	noup.c	contrib.noupdate
28	0.03	956	help.c	src.bin.psql
28	NA	NA	NA	NA
1	0.05	241	noup.c	contrib.noupdate
1	0.03	534	geqo_params.c	src.backend.optimizer.geqo
1	0.02	2071	indexcmds.c	src.backend.commands
1	NA	NA	NA	NA

"column column", {*column paramet index sql set java param databas type except access*}

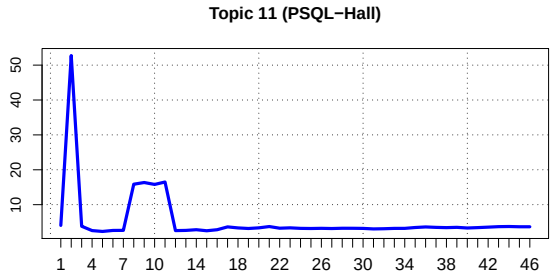
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
11	1.3851	8.7074
47	1.9244	22.9510
59	1.9786	22.0243

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
11	1.3851	8.7074
53	2.5044	19.5082
49	2.1015	19.6295

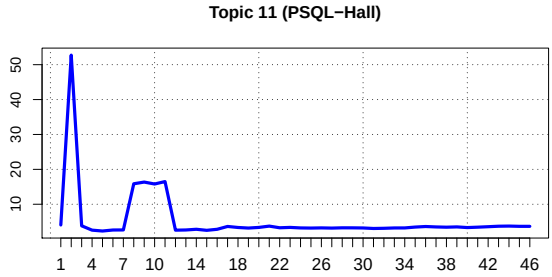
Best matching topic (Topic distance = 1.385, Evolution distance = 8.7074):



V	θ	Size	File	Package
2	0.83	2084	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc2
2	0.82	670	CallableStatement.java	src.interfaces.jdbc.postgresql.jdbc2
2	0.82	1458	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc1
2	0.82	2051	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc2
40	0.92	796	bitmapset.c	src.backend.nodes
40	0.62	1220	mbutils.c	src.backend.utils.mb
40	0.31	1096	postinit.c	src.backend.utils.init
40	0.27	190	pgevent.c	src.bin.pgevent
5	0.37	1143	dbcommands.c	src.backend.commands
5	0.34	70	excid.c	src.backend.utils.error
5	0.31	751	postinit.c	src.backend.utils.init
5	0.24	514	database.c	src.backend.utils.misc

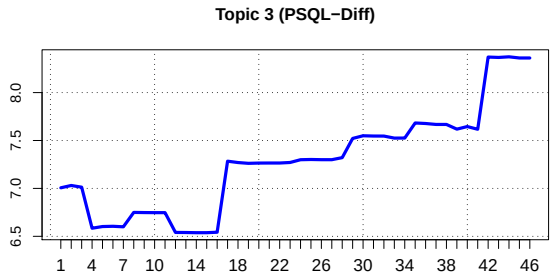
"encod encod", {*databas encod set result sql client column src error bitmapset except*}

Best matching topic evolution (Topic distance = 1.385, Evolution distance = 8.7074):



V	θ	Size	File	Package
2	0.83	2084	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc2
2	0.82	670	CallableStatement.java	src.interfaces.jdbc.postgresql.jdbc2
2	0.82	1458	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc1
2	0.82	2051	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc2
40	0.92	796	bitmapset.c	src.backend.nodes
40	0.62	1220	mbutils.c	src.backend.utils.mb
40	0.31	1096	postinit.c	src.backend.utils.init
40	0.27	190	pgevent.c	src.bin.pgevent
5	0.37	1143	dbcommands.c	src.backend.commands
5	0.34	70	excid.c	src.backend.utils.error
5	0.31	751	postinit.c	src.backend.utils.init
5	0.24	514	database.c	src.backend.utils.misc

"encod encod", {*databas encod set result sql client column src error bitmapset except*}



V	θ	Size	File	Package
44	0.84	177	joininfo.c	src.backend.optimizer.util
44	0.83	2246	joinrels.c	src.backend.optimizer.path
44	0.66	4182	equivclass.c	src.backend.optimizer.path
44	0.66	3119	initsplan.c	src.backend.optimizer.plan
17	0.87	380	joininfo.c	src.backend.optimizer.util
17	0.86	1296	joinrels.c	src.backend.optimizer.path
17	0.74	1393	relnode.c	src.backend.optimizer.util
17	0.59	2048	initsplan.c	src.backend.optimizer.plan
14	0.85	993	joinrels.c	src.backend.optimizer.path
14	0.83	133	joininfo.c	src.backend.optimizer.util
14	0.77	1588	relnode.c	src.backend.optimizer.util
14	0.59	1931	joinpath.c	src.backend.optimizer.path

"outer join", {*rel join relid root info outer list pathkei path claus member*}

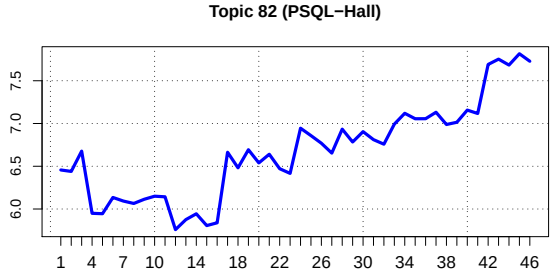
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
82	0.3217	0.0008
15	0.9235	0.0231
57	1.4822	0.0594

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
82	0.3217	0.0008
34	2.0186	0.0059
41	3.2875	0.0080

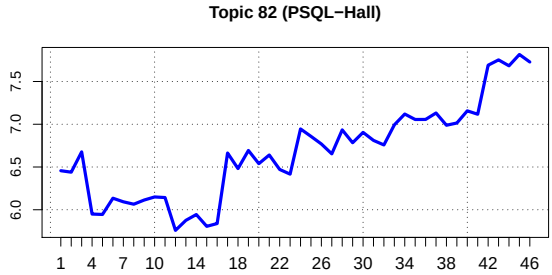
Best matching topic (Topic distance = 0.322, Evolution distance = 0.0008):



V	θ	Size	File	Package
45	1.00	177	joininfo.c	src.backend.optimizer.util
45	0.99	2246	joinrels.c	src.backend.optimizer.path
45	0.87	3122	initsplan.c	src.backend.optimizer.plan
45	0.87	1533	relnode.c	src.backend.optimizer.util
3	1.00	123	joininfo.c	src.backend.optimizer.util
3	1.00	796	joinrels.c	src.backend.optimizer.path
3	0.92	927	relnode.c	src.backend.optimizer.util
3	0.67	733	allpaths.c	src.backend.optimizer.path
12	0.99	993	joinrels.c	src.backend.optimizer.path
12	0.95	1588	relnode.c	src.backend.optimizer.util
12	0.92	133	joininfo.c	src.backend.optimizer.util
12	0.68	2103	initsplan.c	src.backend.optimizer.plan

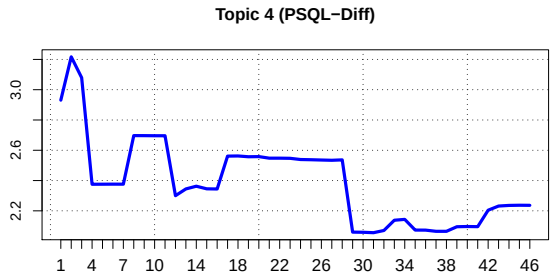
"outer join", {*rel join list root info relid joinrel claus outer opt relat*}

Best matching topic evolution (Topic distance = 0.322, Evolution distance = 0.0008):



V	θ	Size	File	Package
45	1.00	177	joininfo.c	src.backend.optimizer.util
45	0.99	2246	joinrels.c	src.backend.optimizer.path
45	0.87	3122	initsplan.c	src.backend.optimizer.plan
45	0.87	1533	relnode.c	src.backend.optimizer.util
3	1.00	123	joininfo.c	src.backend.optimizer.util
3	1.00	796	joinrels.c	src.backend.optimizer.path
3	0.92	927	relnode.c	src.backend.optimizer.util
3	0.67	733	allpaths.c	src.backend.optimizer.path
12	0.99	993	joinrels.c	src.backend.optimizer.path
12	0.95	1588	relnode.c	src.backend.optimizer.util
12	0.92	133	joininfo.c	src.backend.optimizer.util
12	0.68	2103	initsplan.c	src.backend.optimizer.plan

"outer join", {*rel join list root info relid joinrel claus outer opt relat*}



V	θ	Size	File	Package
2	0.47	2739	`user.c`	`src.backend.commands`
2	0.28	368	`temprel.c`	`src.backend.utils.cache`
2	0.16	789	`portalbuf.c`	`src.backend.libpq`
2	0.14	50	`misc.c`	`src.backend.utils.adt`
14	0.48	3418	`user.c`	`src.backend.commands`
14	0.14	156	`crypt-md5.c`	`contrib.pgcrypto`
14	0.14	126	`user_locks.c`	`contrib.userlock`
14	0.11	248	`crypt.c`	`src.backend.libpq`
31	0.17	3256	`user.c`	`src.backend.commands`
31	0.16	89	`user_locks.c`	`contrib.userlock`
31	0.13	167	`crypt-md5.c`	`contrib.pgcrypto`
31	0.11	418	`security.c`	`src.backend.port.win32`

"temp temp", {*temp group user shadow password new updat sysid record null els*}

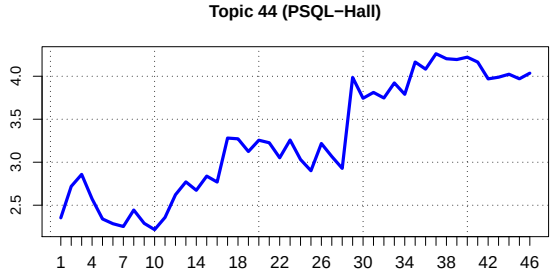
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
44	1.5208	0.1933
96	2.2150	0.0428
47	2.2196	0.1088

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
23	2.7164	0.0140
51	2.8394	0.0149
10	3.6614	0.0178

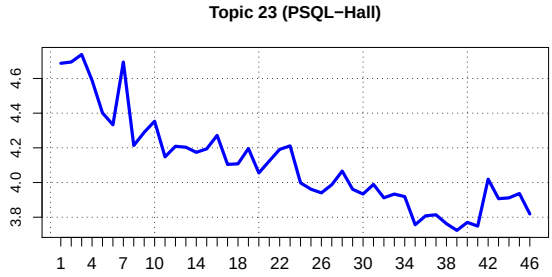
Best matching topic (Topic distance = 1.521, Evolution distance = 0.1933):



V	θ	Size	File	Package
37	1.00	3398	`user.c`	`src.backend.commands`
37	0.59	2138	`flatfiles.c`	`src.backend.utils.init`
37	0.50	155	`superuser.c`	`src.backend.utils.misc`
37	0.36	3124	`dbcommands.c`	`src.backend.commands`
26	0.98	4058	`user.c`	`src.backend.commands`
26	0.76	63	`superuser.c`	`src.backend.utils.misc`
26	0.28	1959	`miscinit.c`	`src.backend.utils.init`
26	0.21	3010	`dbcommands.c`	`src.backend.commands`
10	0.99	3142	`user.c`	`src.backend.commands`
10	0.23	1213	`dbcommands.c`	`src.backend.commands`
10	0.20	127	`superuser.c`	`src.backend.utils.misc`
10	0.17	1528	`miscinit.c`	`src.backend.utils.init`

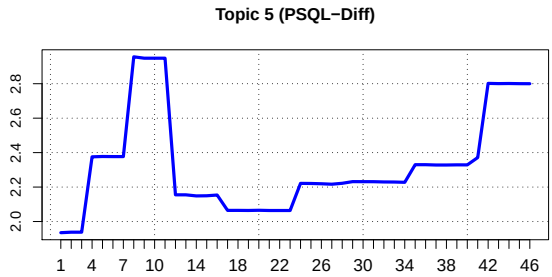
"session user", {*user role heap group tupl errcod datum record shadow lock error*}

Best matching topic evolution (Topic distance = 2.716, Evolution distance = 0.0140):



V	θ	Size	File	Package
3	0.99	1601	`logtape.c`	`src.backend.utils.sort`
3	0.86	59	`smgrtype.c`	`src.backend.storage.smgr`
3	0.86	682	`smgr.c`	`src.backend.storage.smgr`
3	0.72	1562	`md.c`	`src.backend.storage.smgr`
20	0.99	1606	`logtape.c`	`src.backend.utils.sort`
20	0.89	1012	`smgr.c`	`src.backend.storage.smgr`
20	0.85	1414	`md.c`	`src.backend.storage.smgr`
20	0.55	80	`smgrtype.c`	`src.backend.storage.smgr`
39	0.96	1776	`logtape.c`	`src.backend.utils.sort`
39	0.86	2483	`md.c`	`src.backend.storage.smgr`
39	0.82	2177	`smgr.c`	`src.backend.storage.smgr`
39	0.53	66	`smgrtype.c`	`src.backend.storage.smgr`

"block number", {*block relat smgr reln indirect number file rnode pend logic buffer*}



V	θ	Size	File	Package
8	0.67	7426	analyze.c	src.backend.parser
8	0.55	1757	creatinh.c	src.backend.commands
8	0.22	108	HBATableModel.java	contrib.retep.uk.org.retep.util.models
8	0.20	4171	command.c	src.backend.commands
32	0.58	7901	analyze.c	src.backend.parser
32	0.29	15475	tablecmds.c	src.backend.commands
32	0.19	1053	tupdesc.c	src.backend.access.common
32	0.12	1354	common.c	src.bin.pg_dump
1	0.72	4976	analyze.c	src.backend.parser
1	0.49	1218	creatinh.c	src.backend.commands
1	0.20	2559	command.c	src.backend.commands
1	0.17	1208	tupdesc.c	src.backend.access.common

"arg lappend", {*constraint stmt column list tabl attr index pstate type cxt def*}

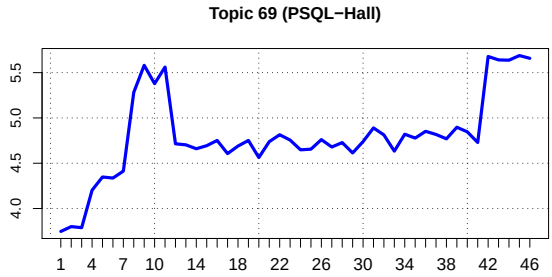
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
69	0.6412	0.0109
32	0.8998	0.0194
3	1.4871	0.0407

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
69	0.6412	0.0109
9	2.8353	0.0186
32	0.8998	0.0194

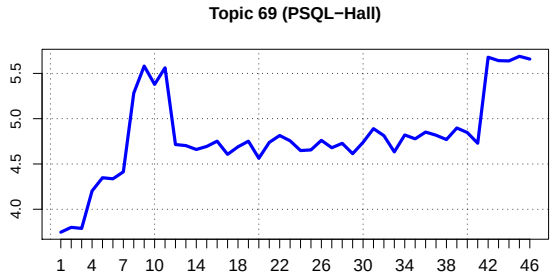
Best matching topic (Topic distance = 0.641, Evolution distance = 0.0109):



V	θ	Size	File	Package
45	0.93	4973	analyze.c	src.backend.parser
45	0.87	4392	parse_relation.c	src.backend.parser
45	0.76	4063	parse_clause.c	src.backend.parser
45	0.66	2817	parse_target.c	src.backend.parser
30	0.93	7901	analyze.c	src.backend.parser
30	0.85	3812	parse_relation.c	src.backend.parser
30	0.78	3765	parse_clause.c	src.backend.parser
30	0.66	2405	parse_target.c	src.backend.parser
1	0.77	4976	analyze.c	src.backend.parser
1	0.76	943	parse_target.c	src.backend.parser
1	0.75	999	parse_relation.c	src.backend.parser
1	0.59	2609	parse_clause.c	src.backend.parser

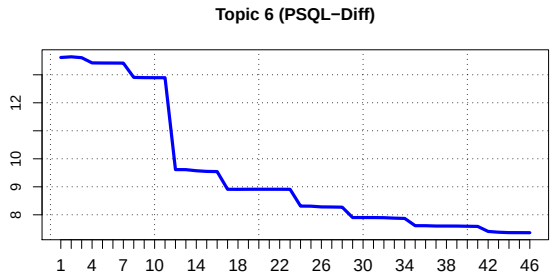
"state pstate", {*pstate list rte stmt transform column node target pars entri rang*}

Best matching topic evolution (Topic distance = 0.641, Evolution distance = 0.0109):



V	θ	Size	File	Package
45	0.93	4973	analyze.c	src.backend.parser
45	0.87	4392	parse_relation.c	src.backend.parser
45	0.76	4063	parse_clause.c	src.backend.parser
45	0.66	2817	parse_target.c	src.backend.parser
30	0.93	7901	analyze.c	src.backend.parser
30	0.85	3812	parse_relation.c	src.backend.parser
30	0.78	3765	parse_clause.c	src.backend.parser
30	0.66	2405	parse_target.c	src.backend.parser
1	0.77	4976	analyze.c	src.backend.parser
1	0.76	943	parse_target.c	src.backend.parser
1	0.75	999	parse_relation.c	src.backend.parser
1	0.59	2609	parse_clause.c	src.backend.parser

"state pstate", {*pstate list rte stmt transform column node target pars entri rang*}



V	θ	Size	File	Package
2	0.80	2215	indexing.c	src.backend.catalog
2	0.63	359	rewriteRemove.c	src.backend.rewrite
2	0.57	924	remove.c	src.backend.commands
2	0.53	545	regproc.c	src.backend.utils.adt
24	0.64	241	pg_largeobject.c	src.backend.catalog
24	0.48	111	pg_namespace.c	src.backend.catalog
24	0.38	176	not_in.c	src.backend.utils.adt
24	0.38	164	misc_utils.c	contrib.miscutil
46	0.62	234	pg_largeobject.c	src.backend.catalog
46	0.42	120	pg_namespace.c	src.backend.catalog
46	0.37	181	rewriteSupport.c	src.backend.rewrite
46	0.37	265	pg_enum.c	src.backend.catalog

"heap tupl", {*heap tupl scan relat datum indic lock kei desc catalog access*}

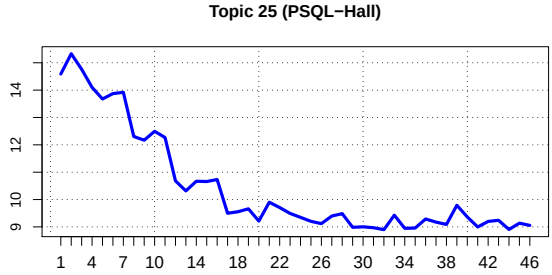
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
25	0.8199	0.0134
66	1.2218	0.2762
70	1.2322	0.0158

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
25	0.8199	0.0134
70	1.2322	0.0158
81	1.3790	0.0249

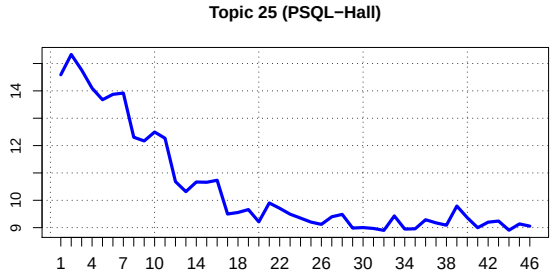
Best matching topic (Topic distance = 0.820, Evolution distance = 0.0134):



V	θ	Size	File	Package
2	0.75	4903	relcache.c	src.backend.utils.cache
2	0.73	5174	index.c	src.backend.catalog
2	0.67	810	cluster.c	src.backend.commands
2	0.58	359	rewriteRemove.c	src.backend.rewrite
28	1.00	183	rewriteSupport.c	src.backend.rewrite
28	0.78	352	indexing.c	src.backend.catalog
28	0.78	8124	relcache.c	src.backend.utils.cache
28	0.74	4121	index.c	src.backend.catalog
32	1.00	181	rewriteSupport.c	src.backend.rewrite
32	0.80	8096	relcache.c	src.backend.utils.cache
32	0.75	4211	index.c	src.backend.catalog
32	0.71	370	indexing.c	src.backend.catalog

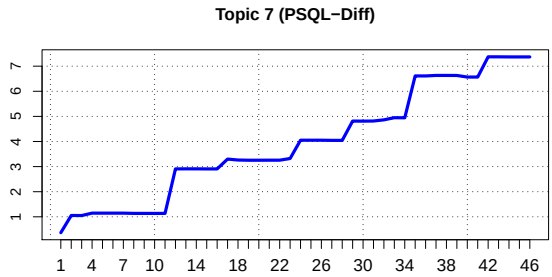
"relat relat", {*relat index rel heap tupl oid info scan lock attribut access*}

Best matching topic evolution (Topic distance = 0.820, Evolution distance = 0.0134):



V	θ	Size	File	Package
2	0.75	4903	relcache.c	src.backend.utils.cache
2	0.73	5174	index.c	src.backend.catalog
2	0.67	810	cluster.c	src.backend.commands
2	0.58	359	rewriteRemove.c	src.backend.rewrite
28	1.00	183	rewriteSupport.c	src.backend.rewrite
28	0.78	352	indexing.c	src.backend.catalog
28	0.78	8124	relcache.c	src.backend.utils.cache
28	0.74	4121	index.c	src.backend.catalog
32	1.00	181	rewriteSupport.c	src.backend.rewrite
32	0.80	8096	relcache.c	src.backend.utils.cache
32	0.75	4211	index.c	src.backend.catalog
32	0.71	370	indexing.c	src.backend.catalog

"relat relat", {*relat index rel heap tupl oid info scan lock attribut access*}



V	θ	Size	File	Package
42	0.58	3474	tablefunc.c	contrib.tablefunc
42	0.49	705	wparser.c	src.backend.tsearch
42	0.48	524	pg_buffercache_pages.c	contrib.pg_buffercache
42	0.47	897	pg_freespacemap.c	contrib.pg_freespacemap
23	0.59	3575	tablefunc.c	contrib.tablefunc
23	0.43	371	lockfuncs.c	src.backend.utils.adt
23	0.34	1086	wparser.c	contrib.tsearch2
23	0.23	470	pgstattuple.c	contrib.pgstattuple
1	0.17	1208	tupdesc.c	src.backend.access.common
1	0.08	2519	inv_api.c	src.backend.storage.large_object
1	0.04	696	be-fsstubs.c	src.backend.libpq
1	NA	NA	NA	NA

"tupl desc", {*desc tupl tupdesc valu funcctx call context fctx result srf memori*}

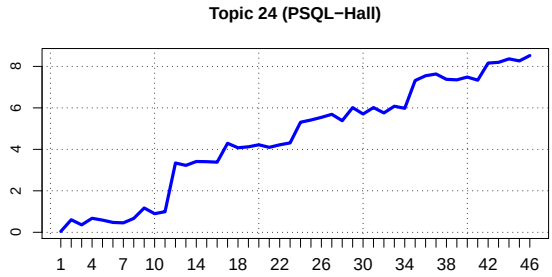
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
24	0.8048	0.0233
12	1.6491	0.6446
8	1.9566	0.5717

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
24	0.8048	0.0233
7	3.3048	0.0728
5	2.9276	0.1095

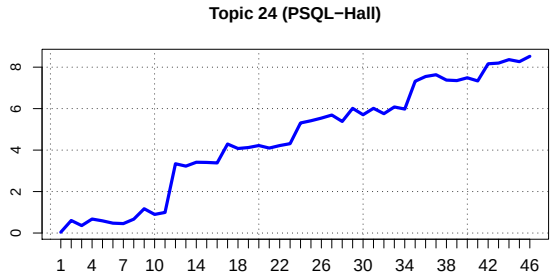
Best matching topic (Topic distance = 0.805, Evolution distance = 0.0233):



V	θ	Size	File	Package
46	1.00	3474	tablefunc.c	contrib.tablefunc
46	0.71	4222	dblink.c	contrib.dblink
46	0.61	1387	xpath.c	contrib.xml2
46	0.60	705	wparser.c	src.backend.tsearch
23	1.00	3575	tablefunc.c	contrib.tablefunc
23	0.74	3771	dblink.c	contrib.dblink
23	0.49	1086	wparser.c	contrib.tsearch2
23	0.45	371	lockfuncs.c	src.backend.utils.adt
1	0.02	1069	nodeTee.c	src.backend.executor._deadcode
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

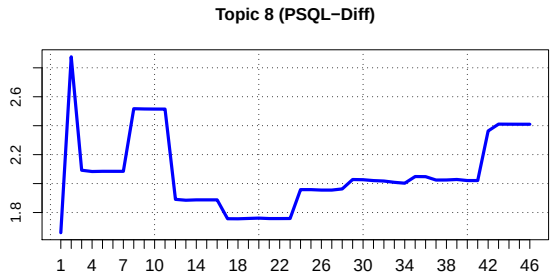
"srf funcctx", {*tupl tupdesc text funcctx call valu function error sql context datum*}

Best matching topic evolution (Topic distance = 0.805, Evolution distance = 0.0233):



V	θ	Size	File	Package
46	1.00	3474	tablefunc.c	contrib.tablefunc
46	0.71	4222	dblink.c	contrib.dblink
46	0.61	1387	xpath.c	contrib.xml2
46	0.60	705	wparser.c	src.backend.tsearch
23	1.00	3575	tablefunc.c	contrib.tablefunc
23	0.74	3771	dblink.c	contrib.dblink
23	0.49	1086	wparser.c	contrib.tsearch2
23	0.45	371	lockfuncs.c	src.backend.utils.adt
1	0.02	1069	nodeTee.c	src.backend.executor._deadcode
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"srf funcctx", {*tupl tupdesc text funcctx call valu function error sql context datum*}



V	θ	Size	File	Package
2	0.62	4034	readfuncs.c	src.backend.nodes
2	0.37	628	read.c	src.backend.nodes
2	0.21	227	PGtokenizer.java	src.interfaces.jdbc.org.postgresql.util
2	0.20	227	PGtokenizer.java	src.interfaces.jdbc.postgresql.util
41	0.37	2126	readfuncs.c	src.backend.nodes
41	0.35	773	read.c	src.backend.nodes
41	0.13	428	security.c	src.backend.port.win32
41	0.11	1117	datetime.c	src.interfaces.ecpg.pgtypeslib
1	0.62	4034	readfuncs.c	src.backend.nodes
1	0.37	628	read.c	src.backend.nodes
1	0.13	707	stats.c	src.backend.access.heap
1	0.10	172	pg_locale.c	src.backend.utils.adt

"token token", {*token length local read strtok node els eat char atoi strncmp*}

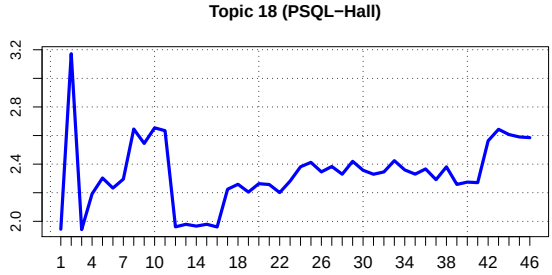
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
18	0.5257	0.0114
47	2.3103	0.0619
59	2.4910	0.0849

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
18	0.5257	0.0114
12	3.2519	0.0195
9	3.5611	0.0206

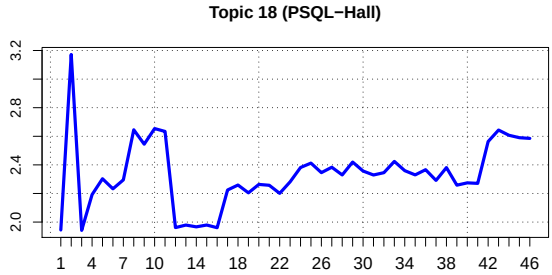
Best matching topic (Topic distance = 0.526, Evolution distance = 0.0114):



V	θ	Size	File	Package
2	0.89	4034	readfuncs.c	src.backend.nodes
2	0.73	628	read.c	src.backend.nodes
2	0.32	227	PGtokenizer.java	src.interfaces.jdbc.org.postgresql.util
2	0.29	227	PGtokenizer.java	src.interfaces.jdbc.postgresql.util
31	0.97	2106	readfuncs.c	src.backend.nodes
31	0.72	773	read.c	src.backend.nodes
31	0.21	132	parser.c	src.backend.parser
31	0.13	1106	datetime.c	src.interfaces.ecpg.pgtypeslib
3	0.90	4034	readfuncs.c	src.backend.nodes
3	0.71	628	read.c	src.backend.nodes
3	0.13	707	stats.c	src.backend.access.heap
3	0.08	534	geqo_params.c	src.backend.optimizer.geqo

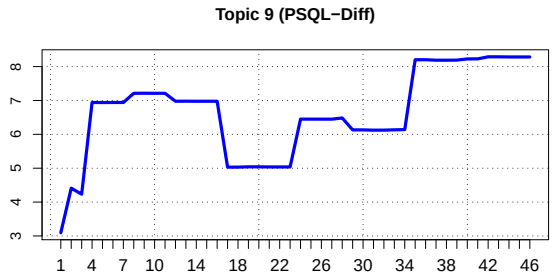
"token token", {*token read node length local strtok field els expr oid eat*}

Best matching topic evolution (Topic distance = 0.526, Evolution distance = 0.0114):



V	θ	Size	File	Package
2	0.89	4034	readfuncs.c	src.backend.nodes
2	0.73	628	read.c	src.backend.nodes
2	0.32	227	PGtokenizer.java	src.interfaces.jdbc.org.postgresql.util
2	0.29	227	PGtokenizer.java	src.interfaces.jdbc.postgresql.util
31	0.97	2106	readfuncs.c	src.backend.nodes
31	0.72	773	read.c	src.backend.nodes
31	0.21	132	parser.c	src.backend.parser
31	0.13	1106	datetime.c	src.interfaces.ecpg.pgtypeslib
3	0.90	4034	readfuncs.c	src.backend.nodes
3	0.71	628	read.c	src.backend.nodes
3	0.13	707	stats.c	src.backend.access.heap
3	0.08	534	geqo_params.c	src.backend.optimizer.geqo

"token token", {*token read node length local strtok field els expr oid eat*}



V	θ	Size	File	Package
42	0.99	2666	cubescan.c	contrib.cube
42	0.99	2695	segscan.c	contrib.seg
42	0.96	2755	bootscanner.c	src.backend.bootstrap
42	0.84	4755	pgc.c	src.interfaces.ecpg.preproc
7	0.98	2635	bootscanner.c	src.backend.bootstrap
7	0.98	116	buffer.c	contrib.cube
7	0.94	119	buffer.c	contrib.seg
7	0.94	3588	scan.c	src.backend.parser
1	0.99	2632	bootscanner.c	src.backend.bootstrap
1	0.95	3356	scan.c	src.backend.parser
1	0.66	4165	pl_scan.c	src.pl.plpgsql.src
1	0.16	295	entab.c	src.tools.entab

"current buffer", {*buffer state buf current defin rule size yytext endif scan line*}

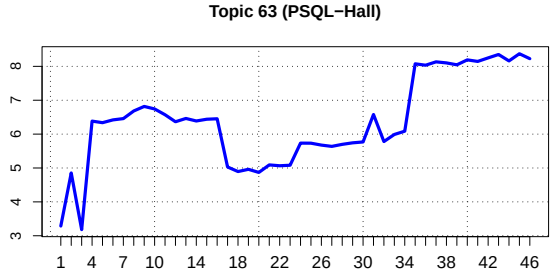
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
63	0.0370	0.0060
47	1.3482	0.0495
65	1.7304	0.1190

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
63	0.0370	0.0060
4	1.8624	0.0426
22	2.1659	0.0427

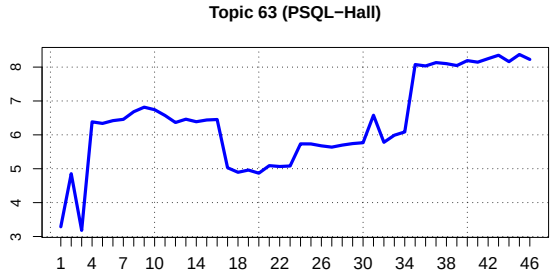
Best matching topic (Topic distance = 0.037, Evolution distance = 0.0060):



V	θ	Size	File	Package
45	1.00	2666	cubescan.c	contrib.cube
45	1.00	2755	bootscanner.c	src.backend.bootstrap
45	0.99	2695	segscan.c	contrib.seg
45	0.98	4051	scan.c	src.backend.parser
4	1.00	3588	scan.c	src.backend.parser
4	1.00	2635	bootscanner.c	src.backend.bootstrap
4	0.99	4001	pgc.c	src.interfaces.ecpg.preproc
4	0.79	116	buffer.c	contrib.cube
3	1.00	3367	scan.c	src.backend.parser
3	1.00	2633	bootscanner.c	src.backend.bootstrap
3	0.59	4166	pl_scan.c	src.pl.plpgsql.src
3	0.18	266	parser.c	src.backend.parser

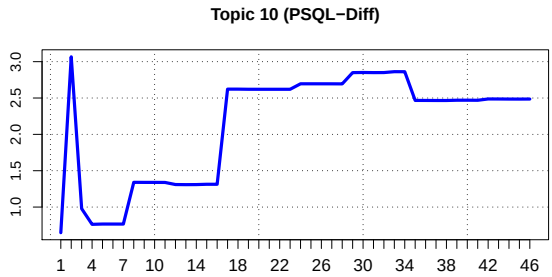
"current buffer", {*buffer state buf current defin size line endif rule yytext scan*}

Best matching topic evolution (Topic distance = 0.037, Evolution distance = 0.0060):



V	θ	Size	File	Package
45	1.00	2666	cubescan.c	contrib.cube
45	1.00	2755	bootscanner.c	src.backend.bootstrap
45	0.99	2695	segscan.c	contrib.seg
45	0.98	4051	scan.c	src.backend.parser
4	1.00	3588	scan.c	src.backend.parser
4	1.00	2635	bootscanner.c	src.backend.bootstrap
4	0.99	4001	pgc.c	src.interfaces.ecpg.preproc
4	0.79	116	buffer.c	contrib.cube
3	1.00	3367	scan.c	src.backend.parser
3	1.00	2633	bootscanner.c	src.backend.bootstrap
3	0.59	4166	pl_scan.c	src.pl.plpgsql.src
3	0.18	266	parser.c	src.backend.parser

"current buffer", {*buffer state buf current defin size line endif rule yytext scan*}



V	θ	Size	File	Package
2	0.26	69	tuple.c	src.interfaces.odbc
2	0.23	195	pgdatabase.cc	src.interfaces.libpq++
2	0.23	217	columninfo.c	src.interfaces.odbc
2	0.22	1032	fe-print.c	src.interfaces.libpq
45	0.43	5250	equalfuncs.c	src.backend.nodes
45	0.33	5649	outfuncs.c	src.backend.nodes
45	0.25	8075	copyfuncs.c	src.backend.nodes
45	0.24	2285	readfuncs.c	src.backend.nodes
1	0.10	415	mpgsql.c	contrib.mSQL-interface
1	0.10	1016	portal.c	src.backend.libpq
1	0.07	156	not_in.c	src.backend.utils.adt
1	0.07	87	lispsort.c	src.backend.lib

"write field", {*field compar write scalar copi expr row equal oid bitmapset node*}

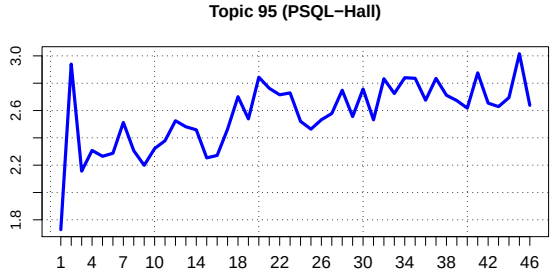
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
95	1.5584	0.1716
2	2.0473	0.2788
3	2.1128	0.3547

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
54	3.2556	0.0477
31	3.0791	0.0592
30	3.2379	0.0778

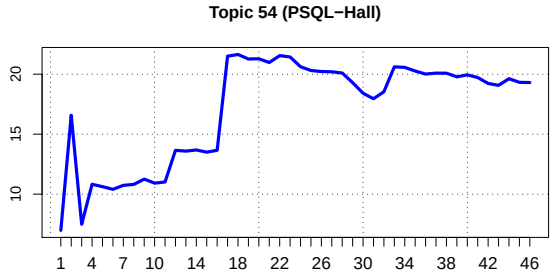
Best matching topic (Topic distance = 1.558, Evolution distance = 0.1716):



V	θ	Size	File	Package
45	1.00	5250	equalfuncs.c	src.backend.nodes
45	0.98	8075	copyfuncs.c	src.backend.nodes
45	0.29	5133	utility.c	src.backend.tcop
45	0.20	15	geqo_copy.c	src.backend.optimizer.geqo
27	0.99	4546	equalfuncs.c	src.backend.nodes
27	0.99	6803	copyfuncs.c	src.backend.nodes
27	0.30	3497	utility.c	src.backend.tcop
27	0.12	400	alter.c	src.backend.commands
1	0.77	3308	copyfuncs.c	src.backend.nodes
1	0.45	1191	equalfuncs.c	src.backend.nodes
1	0.27	1994	utility.c	src.backend.tcop
1	0.08	156	not_in.c	src.backend.utils.adt

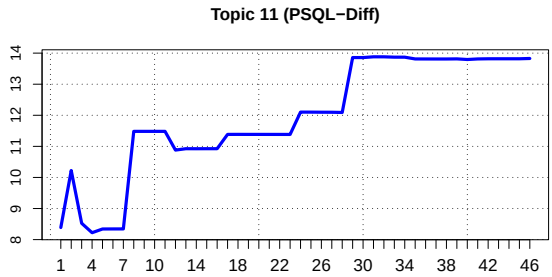
"stmt stmt", {*stmt copi field node newnod compar equal scalar case break retval*}

Best matching topic evolution (Topic distance = 3.256, Evolution distance = 0.0477):



V	θ	Size	File	Package
18	0.96	139	getopt_long.c	src.port
18	0.95	451	clusterdb.c	src.bin.scripts
18	0.94	523	vacuumdb.c	src.bin.scripts
18	0.94	265	dropdb.c	src.bin.scripts
46	0.95	442	clusterdb.c	src.bin.scripts
46	0.94	520	vacuumdb.c	src.bin.scripts
46	0.93	259	dropdb.c	src.bin.scripts
46	0.91	141	getopt_long.c	src.port
1	0.84	1204	pgbench.c	contrib.pgbench
1	0.70	44	alt.c	src.backend.utils.mb
1	0.62	119	getopt.c	src.utils
1	0.57	14	tstrint.c	src.backend.port.qnx4

"fprintf stderr", {*printf fprintf stderr exit prognam sql databas conn argv dbname command*}



V	θ	Size	File	Package
31	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
31	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
31	0.79	825	geqo_erx.c	src.backend.optimizer.geqo
31	0.75	103	geqo_px.c	src.backend.optimizer.geqo
9	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
9	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
9	0.80	836	geqo_erx.c	src.backend.optimizer.geqo
9	0.75	103	geqo_px.c	src.backend.optimizer.geqo
4	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
4	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
4	0.80	836	geqo_erx.c	src.backend.optimizer.geqo
4	0.75	103	geqo_px.c	src.backend.optimizer.geqo

"kei kei", {*kei tabl salt edg for crypt left gene encrypt orig set*}

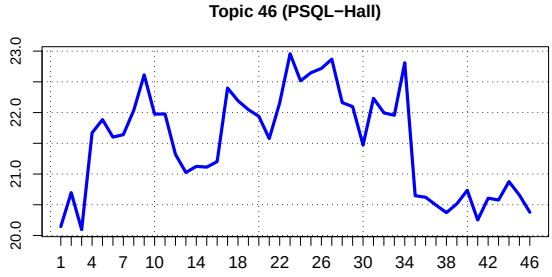
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
46	1.8322	0.0564
28	1.9890	0.1013
47	2.2978	0.0131

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
89	3.5328	0.0113
26	3.3367	0.0130
47	2.2978	0.0131

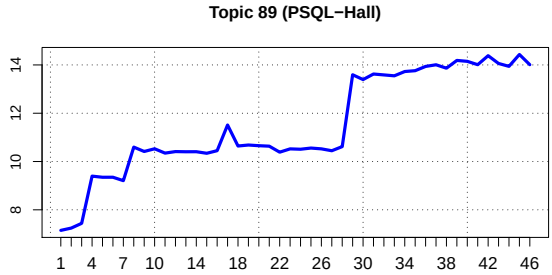
Best matching topic (Topic distance = 1.832, Evolution distance = 0.0564):



V	θ	Size	File	Package
23	1.00	131	geqo_cx.c	src.backend.optimizer.geqo
23	1.00	825	geqo_erx.c	src.backend.optimizer.geqo
23	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
23	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
6	1.00	15	geqo_copy.c	src.backend.optimizer.geqo
6	1.00	836	geqo_erx.c	src.backend.optimizer.geqo
6	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
6	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
3	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
3	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
3	1.00	125	geqo_ox2.c	src.backend.optimizer.geqo
3	1.00	188	geqo_pmx.c	src.backend.optimizer.geqo

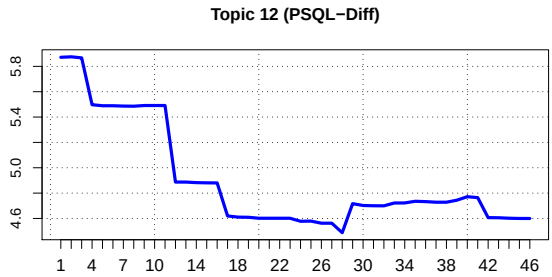
"strcpy errbuf", {*edg pool gene tabl tour constraint citi geqo num list order*}

Best matching topic evolution (Topic distance = 3.533, Evolution distance = 0.0113):



V	θ	Size	File	Package
45	1.00	332	nodeBitmapOr.c	src.backend.executor
45	0.99	302	nodeBitmapAnd.c	src.backend.executor
45	0.98	403	nodeSubqueryscan.c	src.backend.executor
45	0.92	776	nodeLimit.c	src.backend.executor
28	0.94	700	nodeLimit.c	src.backend.executor
28	0.85	1020	execAmi.c	src.backend.executor
28	0.85	1246	execProcnode.c	src.backend.executor
28	0.83	506	nodeMaterial.c	src.backend.executor
1	0.83	888	execProcnode.c	src.backend.executor
1	0.81	955	nodeSeqscan.c	src.backend.executor
1	0.79	1080	nodeTidscan.c	src.backend.executor
1	0.71	713	nodeMaterial.c	src.backend.executor

"node node", {*node scan exec state plan tupl slot estat result tid expr*}



V	θ	Size	File	Package
2	0.81	2257	costsize.c	src.backend.optimizer.path
2	0.73	1161	pathnode.c	src.backend.optimizer.util
2	0.54	2848	xfunc.c	src.backend.optimizer.path._deadcode
2	0.44	603	orindxpath.c	src.backend.optimizer.path
34	0.78	5034	costsize.c	src.backend.optimizer.path
34	0.65	2766	pathnode.c	src.backend.optimizer.util
34	0.30	1802	joinpath.c	src.backend.optimizer.path
34	0.30	391	orindxpath.c	src.backend.optimizer.path
28	0.78	4432	costsize.c	src.backend.optimizer.path
28	0.64	2400	pathnode.c	src.backend.optimizer.util
28	0.34	583	planmain.c	src.backend.optimizer.plan
28	0.34	1017	orindxpath.c	src.backend.optimizer.path

"total cost", {*path cost tupl rel select total root row startup estim claus*}

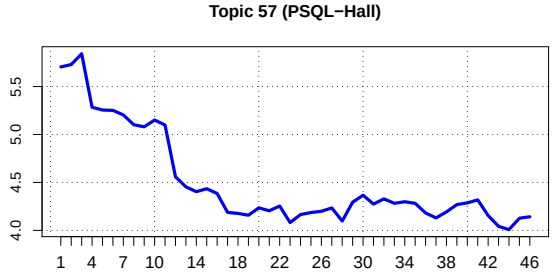
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
57	0.1953	0.0021
82	1.2192	0.0458
16	1.3560	0.1114

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
51	2.1693	0.0018
60	1.9462	0.0021
57	0.1953	0.0021

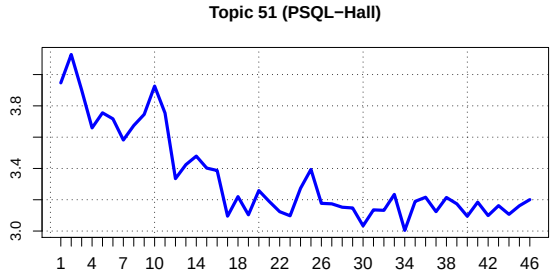
Best matching topic (Topic distance = 0.195, Evolution distance = 0.0021):



V	θ	Size	File	Package
3	0.99	1161	pathnode.c	src.backend.optimizer.util
3	0.97	2257	costsize.c	src.backend.optimizer.path
3	0.56	1575	joinpath.c	src.backend.optimizer.path
3	0.47	2848	xfunc.c	src.backend.optimizer.path._deadcode
35	0.99	5701	costsize.c	src.backend.optimizer.path
35	0.89	2820	pathnode.c	src.backend.optimizer.util
35	0.51	1994	joinpath.c	src.backend.optimizer.path
35	0.38	937	planmain.c	src.backend.optimizer.plan
44	0.93	6720	costsize.c	src.backend.optimizer.path
44	0.84	2963	pathnode.c	src.backend.optimizer.util
44	0.49	2149	joinpath.c	src.backend.optimizer.path
44	0.35	1090	planmain.c	src.backend.optimizer.plan

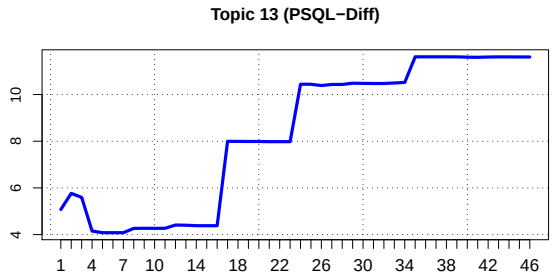
"total cost", {*path cost total startup tupl rel row info pathkei pathnod claus*}

Best matching topic evolution (Topic distance = 2.169, Evolution distance = 0.0018):



V	θ	Size	File	Package
2	0.73	3802	ruleutils.c	src.backend.utils.adt
2	0.60	766	rewriteDefine.c	src.backend.rewrite
2	0.51	596	view.c	src.backend.commands
2	0.47	567	print.c	src.backend.nodes
46	0.85	11414	ruleutils.c	src.backend.utils.adt
46	0.57	678	print.c	src.backend.nodes
46	0.54	4433	rewriteHandler.c	src.backend.rewrite
46	0.32	1768	rewriteDefine.c	src.backend.rewrite
34	0.86	10170	ruleutils.c	src.backend.utils.adt
34	0.52	3731	rewriteHandler.c	src.backend.rewrite
34	0.50	958	print.c	src.backend.nodes
34	0.32	1064	view.c	src.backend.commands

"append info", {*queri info rule context buf append expr node rte list action*}



V	θ	Size	File	Package
37	0.88	1124	interval.c	src.interfaces.ecpg.pgtypeslib
37	0.79	4809	dt_common.c	src.interfaces.ecpg.pgtypeslib
37	0.75	1532	timestamp.c	src.interfaces.ecpg.pgtypeslib
37	0.67	7853	timestamp.c	src.backend.utils.adt
17	0.89	1033	interval.c	src.interfaces.ecpg.pgtypeslib
17	0.79	4699	dt_common.c	src.interfaces.ecpg.pgtypeslib
17	0.75	5584	datetime.c	src.backend.utils.adt
17	0.72	1230	timestamp.c	src.interfaces.ecpg.pgtypeslib
6	0.84	3366	datetime.c	src.backend.utils.adt
6	0.65	2693	nabstime.c	src.backend.utils.adt
6	0.65	3504	timestamp.c	src.backend.utils.adt
6	0.59	2050	date.c	src.backend.utils.adt

"time zone", {*time timestamp interv date year dai sec month hour dtk fsec*}

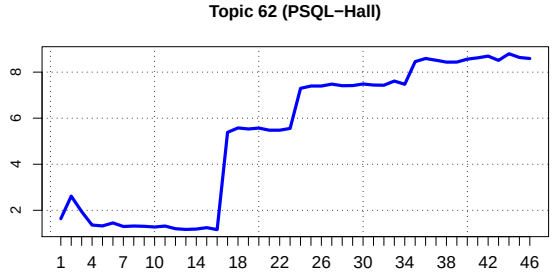
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
62	0.4328	0.0925
14	0.7629	0.0501
47	1.9160	0.1640

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
5	3.1229	0.0452
14	0.7629	0.0501
94	2.6164	0.0505

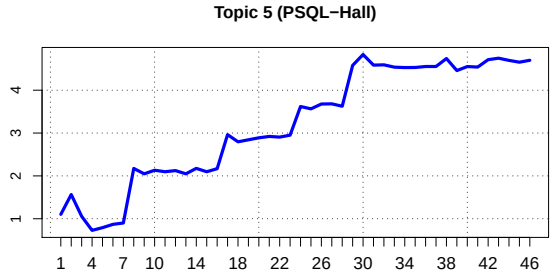
Best matching topic (Topic distance = 0.433, Evolution distance = 0.0925):



V	θ	Size	File	Package
44	1.00	4501	dt_common.c	src.interfaces.ecpg.pgtypeslib
44	0.92	6104	datetime.c	src.backend.utils.adt
44	0.83	1016	interval.c	src.interfaces.ecpg.pgtypeslib
44	0.82	1460	timestamp.c	src.interfaces.ecpg.pgtypeslib
18	1.00	5584	datetime.c	src.backend.utils.adt
18	1.00	4699	dt_common.c	src.interfaces.ecpg.pgtypeslib
18	0.86	1033	interval.c	src.interfaces.ecpg.pgtypeslib
18	0.79	1230	timestamp.c	src.interfaces.ecpg.pgtypeslib
16	1.00	5077	datetime.c	src.backend.utils.adt
16	0.09	643	dbf.c	contrib.dbase
16	0.07	103	globals.c	src.backend.utils.init
16	NA	NA	NA	NA

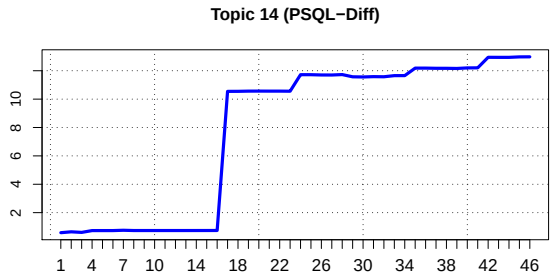
"time zone", {*time dtk date year str field val hour sec month type*}

Best matching topic evolution (Topic distance = 3.123, Evolution distance = 0.0452):



V	θ	Size	File	Package
30	1.00	898	clog.c	src.backend.access.transam
30	0.99	4643	multixact.c	src.backend.access.transam
30	0.86	1866	slru.c	src.backend.access.transam
30	0.76	726	subtrans.c	src.backend.access.transam
17	1.00	842	clog.c	src.backend.access.transam
17	0.92	2068	slru.c	src.backend.access.transam
17	0.59	426	varsup.c	src.backend.access.transam
17	0.21	105	rmgr.c	src.backend.access.transam
4	0.44	285	varsup.c	src.backend.access.transam
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.08	888	sinval.c	src.backend.storage.ipc
4	0.04	487	variable.c	src.interfaces.ecpg.preproc

"shmem variabl", {*page multi xact xid transact share offset clog ctl lock member*}



V	θ	Size	File	Package
46	0.27	187	dict_ispell.c	src.backend.tsearch
46	0.24	61	btree_gist.c	contrib.btree_gist
46	0.23	612	pseudotypes.c	src.backend.utils.adt
46	0.21	128	dict_simple.c	src.backend.tsearch
20	0.23	597	pseudotypes.c	src.backend.utils.adt
20	0.23	240	dict_ispell.c	contrib.tsearch2
20	0.23	244	prs_dcfg.c	contrib.tsearch2
20	0.19	62	copydir.c	src.port
1	0.13	102	linux.c	src.backend.port.dynloader
1	0.12	92	bsdi.c	src.backend.port.dynloader
1	0.11	27	qnx4.c	src.backend.port.dynloader
1	0.08	230	regerror.c	src.backend.regex

"errcod errcod", {*errcod ereport errmsg error invalid support syntax paramet undefin featur errdetail*}

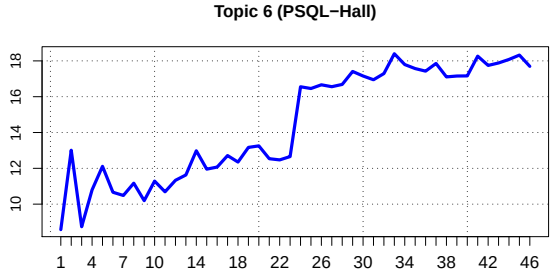
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
6	2.3473	0.5409
68	2.5310	0.2086
52	2.5687	0.5008

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
62	3.4082	0.0631
42	3.2204	0.0858
24	2.7932	0.1962

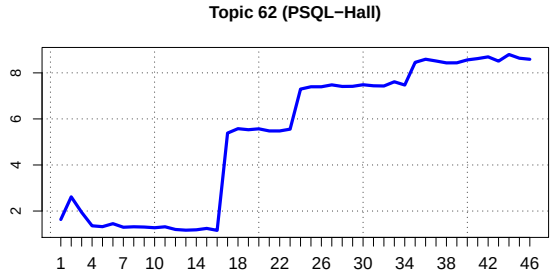
Best matching topic (Topic distance = 2.347, Evolution distance = 0.5409):



V	θ	Size	File	Package
33	1.00	5	gethostname.c	src.port
33	1.00	8	strerror.c	src.port
33	0.98	2135	pqcomm.c	src.backend.libpq
33	0.95	270	win32.c	src.interfaces.libpq
20	1.00	10	strerror.c	src.port
20	0.99	1653	pqcomm.c	src.backend.libpq
20	0.94	269	win32.c	src.interfaces.libpq
20	0.92	1204	be-secure.c	src.backend.libpq
1	1.00	10	strerror.c	src.backend.port
1	1.00	12	excabort.c	src.backend.utils.error
1	0.92	961	pqcomm.c	src.backend.libpq
1	0.73	85	nextstep.c	src.backend.port.dynloader

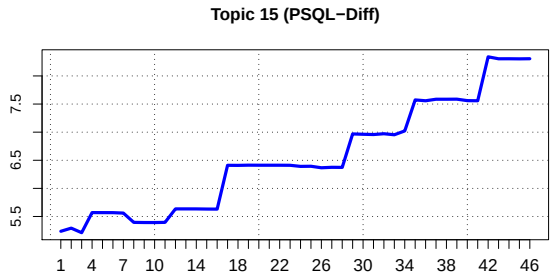
"error messag", {*error ssl messag port socket buf endif file log sock ifdef*}

Best matching topic evolution (Topic distance = 3.408, Evolution distance = 0.0631):



V	θ	Size	File	Package
44	1.00	4501	dt_common.c	src.interfaces.ecpg.pgtypeslib
44	0.92	6104	datetime.c	src.backend.utils.adt
44	0.83	1016	interval.c	src.interfaces.ecpg.pgtypeslib
44	0.82	1460	timestamp.c	src.interfaces.ecpg.pgtypeslib
18	1.00	5584	datetime.c	src.backend.utils.adt
18	1.00	4699	dt_common.c	src.interfaces.ecpg.pgtypeslib
18	0.86	1033	interval.c	src.interfaces.ecpg.pgtypeslib
18	0.79	1230	timestamp.c	src.interfaces.ecpg.pgtypeslib
16	1.00	5077	datetime.c	src.backend.utils.adt
16	0.09	643	dbf.c	contrib.dbase
16	0.07	103	globals.c	src.backend.utils.init
16	NA	NA	NA	NA

"time zone", {*time dtk date year str field val hour sec month type*}



V	θ	Size	File	Package
42	0.50	2996	dynahash.c	src.backend.utils.hash
42	0.43	132	hashfn.c	src.backend.utils.hash
42	0.37	543	ginbulk.c	src.backend.access.gin
42	0.35	331	buf_table.c	src.backend.storage.buffer
17	0.58	1636	dynahash.c	src.backend.utils.hash
17	0.42	43	hashfn.c	src.backend.utils.hash
17	0.38	1357	nodeHash.c	src.backend.executor
17	0.38	252	buf_table.c	src.backend.storage.buffer
3	0.60	52	hasht.c	src.backend.lib
3	0.54	1718	dynahash.c	src.backend.utils.hash
3	0.41	276	buf_table.c	src.backend.storage.buffer
3	0.36	1400	nodeHash.c	src.backend.executor

"hash tabl", {*hash entri bucket tabl hashtabl found search ctl seq uint memori*}

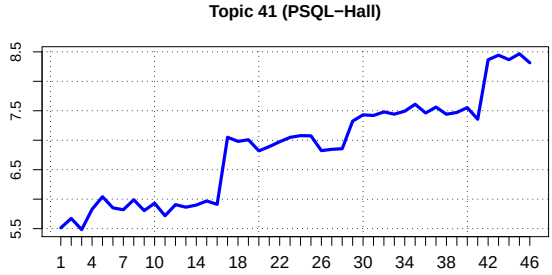
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
41	0.3143	0.0032
47	2.2363	0.0198
81	2.5003	0.2977

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
41	0.3143	0.0032
4	3.1962	0.0040
85	3.3725	0.0076

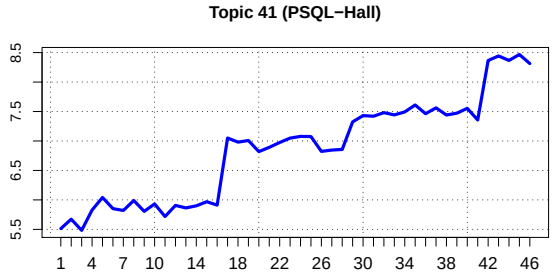
Best matching topic (Topic distance = 0.314, Evolution distance = 0.0032):



V	θ	Size	File	Package
45	0.80	2996	dynahash.c	src.backend.utils.hash
45	0.61	132	hashfn.c	src.backend.utils.hash
45	0.51	331	buf_table.c	src.backend.storage.buffer
45	0.41	1781	nodeHash.c	src.backend.executor
18	0.90	1636	dynahash.c	src.backend.utils.hash
18	0.81	43	hashfn.c	src.backend.utils.hash
18	0.41	1357	nodeHash.c	src.backend.executor
18	0.40	252	buf_table.c	src.backend.storage.buffer
3	0.75	1718	dynahash.c	src.backend.utils.hash
3	0.75	52	hasht.c	src.backend.lib
3	0.39	276	buf_table.c	src.backend.storage.buffer
3	0.38	1400	nodeHash.c	src.backend.executor

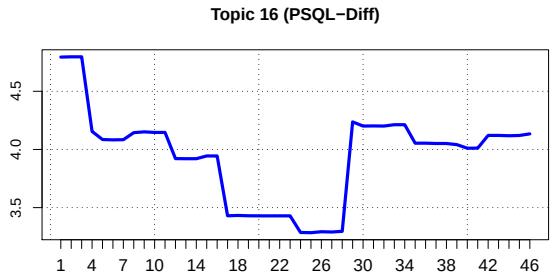
"hash tabl", {*hash bucket entri tabl hashtabl kei elem found uint overflow search*}

Best matching topic evolution (Topic distance = 0.314, Evolution distance = 0.0032):



V	θ	Size	File	Package
45	0.80	2996	dynahash.c	src.backend.utils.hash
45	0.61	132	hashfn.c	src.backend.utils.hash
45	0.51	331	buf_table.c	src.backend.storage.buffer
45	0.41	1781	nodeHash.c	src.backend.executor
18	0.90	1636	dynahash.c	src.backend.utils.hash
18	0.81	43	hashfn.c	src.backend.utils.hash
18	0.41	1357	nodeHash.c	src.backend.executor
18	0.40	252	buf_table.c	src.backend.storage.buffer
3	0.75	1718	dynahash.c	src.backend.utils.hash
3	0.75	52	hasht.c	src.backend.lib
3	0.39	276	buf_table.c	src.backend.storage.buffer
3	0.38	1400	nodeHash.c	src.backend.executor

"hash tabl", {*hash bucket entri tabl hashtabl kei elem found uint overflow search*}



V	θ	Size	File	Package
3	0.92	60	restrictinfo.c	src.backend.optimizer.util
3	0.73	1662	prepqual.c	src.backend.optimizer.prep
3	0.56	4318	indxpath.c	src.backend.optimizer.path
3	0.31	818	clausesel.c	src.backend.optimizer.path
35	0.60	2786	predtest.c	src.backend.optimizer.util
35	0.50	869	prepqual.c	src.backend.optimizer.prep
35	0.42	6383	indxpath.c	src.backend.optimizer.path
35	0.38	1367	restrictinfo.c	src.backend.optimizer.util
25	0.55	4961	indxpath.c	src.backend.optimizer.path
25	0.52	997	prepqual.c	src.backend.optimizer.prep
25	0.39	971	restrictinfo.c	src.backend.optimizer.util
25	0.28	994	orindxpath.c	src.backend.optimizer.path

"claus claus", {*claus list expr node qual match opclass predic restrict indexkei test*}

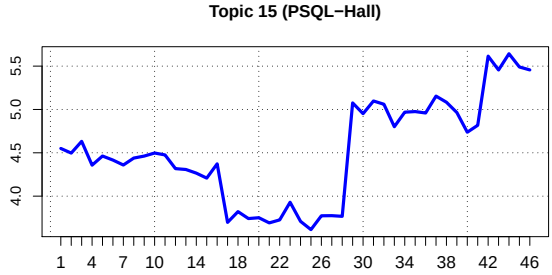
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
15	0.8421	0.0190
3	1.0392	0.0193
20	1.8249	0.0381

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
12	3.2278	0.0086
60	1.9037	0.0098
39	3.3489	0.0133

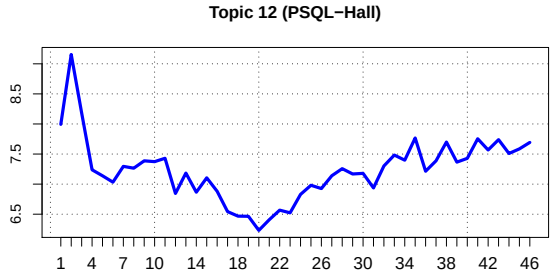
Best matching topic (Topic distance = 0.842, Evolution distance = 0.0190):



V	θ	Size	File	Package
44	0.90	6318	indxpath.c	src.backend.optimizer.path
44	0.79	3029	pathkeys.c	src.backend.optimizer.path
44	0.64	1100	restrictinfo.c	src.backend.optimizer.util
44	0.64	2925	predtest.c	src.backend.optimizer.util
5	1.00	103	restrictinfo.c	src.backend.optimizer.util
5	0.90	4435	indxpath.c	src.backend.optimizer.path
5	0.89	2150	pathkeys.c	src.backend.optimizer.path
5	0.48	593	orindxpath.c	src.backend.optimizer.path
25	0.93	4961	indxpath.c	src.backend.optimizer.path
25	0.87	2766	pathkeys.c	src.backend.optimizer.path
25	0.59	971	restrictinfo.c	src.backend.optimizer.util
25	0.53	994	orindxpath.c	src.backend.optimizer.path

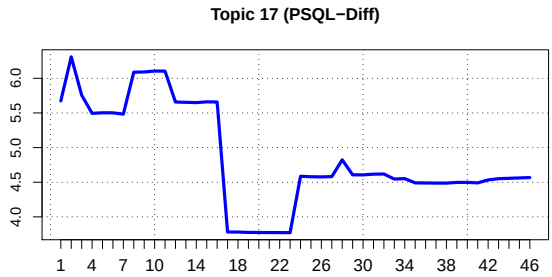
"oid text", {*claus list index info pathkei kei path match oid rel expr*}

Best matching topic evolution (Topic distance = 3.228, Evolution distance = 0.0086):



V	θ	Size	File	Package
2	0.90	1422	heaptuple.c	src.backend.access.common
2	0.81	624	indextuple.c	src.backend.access.common
2	0.78	1208	tupdesc.c	src.backend.access.common
2	0.56	36	tuptoaster.c	src.backend.access.heap
4	0.94	1334	heaptuple.c	src.backend.access.common
4	0.88	669	indextuple.c	src.backend.access.common
4	0.81	1888	tuptoaster.c	src.backend.access.heap
4	0.76	1248	tupdesc.c	src.backend.access.common
20	0.96	1369	heaptuple.c	src.backend.access.common
20	0.88	606	indextuple.c	src.backend.access.common
20	0.81	2232	tuptoaster.c	src.backend.access.heap
20	0.70	1442	tupdesc.c	src.backend.access.common

"tupl desc", {*tupl attr desc heap attribut datum data att toast valu attnum*}



V	θ	Size	File	Package
2	0.75	16	eloglvl.c	src.pl.plperl
2	0.28	85	nextstep.c	src.backend.port.dynloader
2	0.20	95	excid.c	src.backend.utils.error
2	0.20	110	PSQLException.java	src.interfaces.jdbc.org.postgresql.util
25	0.43	173	error.c	src.backend.port.win32
25	0.28	84	nextstep.c	src.backend.port.dynloader
25	0.14	69	beard.c	src.tutorial
25	0.12	145	darwin.c	src.backend.port.dynloader
23	0.28	84	nextstep.c	src.backend.port.dynloader
23	0.14	69	beard.c	src.tutorial
23	0.12	146	darwin.c	src.backend.port.dynloader
23	0.10	235	noup.c	contrib.noupdate

"elog error", {*elog error notic intconst fail unabl bad invalid els intern support*}

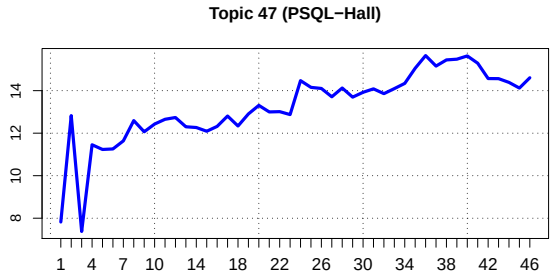
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
47	2.4633	0.1290
6	2.4983	0.2219
83	2.6827	0.5252

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
51	3.0475	0.0188
57	3.5848	0.0199
60	3.1515	0.0221

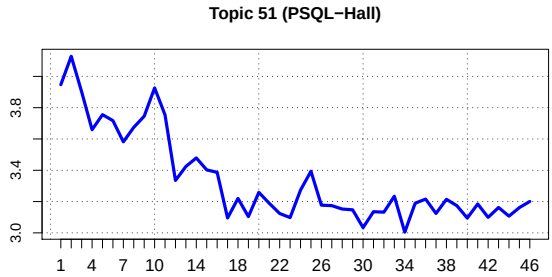
Best matching topic (Topic distance = 2.463, Evolution distance = 0.1290):



V	θ	Size	File	Package
36	1.00	77	c_keywords.c	src.interfaces.ecpg.preproc
36	1.00	77	strtoul.c	src.port
36	0.98	86	pgstrcasecmp.c	src.port
36	0.89	408	stringutils.c	src.bin.psql
20	0.99	77	c_keywords.c	src.interfaces.ecpg.preproc
20	0.97	79	strtoul.c	src.port
20	0.91	140	strtol.c	src.port
20	0.90	598	keywords.c	src.interfaces.ecpg.preproc
3	1.00	30	strcasecmp.c	src.backend.port
3	0.99	79	strtoul.c	src.backend.port
3	0.89	140	strtol.c	src.backend.port
3	0.81	836	pg_lzcompress.c	src.backend.utils.adt

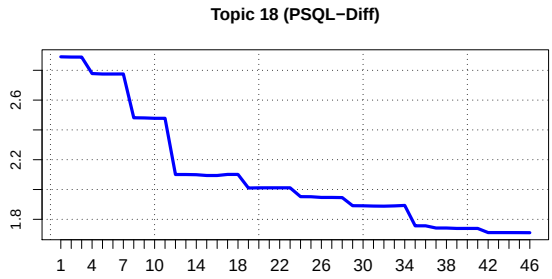
"action item action", {*keyword els max letter word charact base action defin match sql*}

Best matching topic evolution (Topic distance = 3.048, Evolution distance = 0.0188):



V	θ	Size	File	Package
2	0.73	3802	ruleutils.c	src.backend.utils.adt
2	0.60	766	rewriteDefine.c	src.backend.rewrite
2	0.51	596	view.c	src.backend.commands
2	0.47	567	print.c	src.backend.nodes
46	0.85	11414	ruleutils.c	src.backend.utils.adt
46	0.57	678	print.c	src.backend.nodes
46	0.54	4433	rewriteHandler.c	src.backend.rewrite
46	0.32	1768	rewriteDefine.c	src.backend.rewrite
34	0.86	10170	ruleutils.c	src.backend.utils.adt
34	0.52	3731	rewriteHandler.c	src.backend.rewrite
34	0.50	958	print.c	src.backend.nodes
34	0.32	1064	view.c	src.backend.commands

"append info", {*queri info rule context buf append expr node rte list action*}



V	θ	Size	File	Package
1	0.69	4151	pl_gram.c	src.pl.plpgsql.src
1	0.49	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.48	2343	pl_comp.c	src.pl.plpgsql.src
1	0.36	4814	pl_exec.c	src.pl.plpgsql.src
24	0.69	6044	pl_gram.c	src.pl.plpgsql.src
24	0.45	1612	pl_funcs.c	src.pl.plpgsql.src
24	0.34	3663	pl_comp.c	src.pl.plpgsql.src
24	0.22	8521	pl_exec.c	src.pl.plpgsql.src
46	0.54	5586	pl_gram.c	src.pl.plpgsql.src
46	0.44	1868	pl_funcs.c	src.pl.plpgsql.src
46	0.32	4157	pl_comp.c	src.pl.plpgsql.src
46	0.20	10388	pl_exec.c	src.pl.plpgsql.src

"plpgsql plpgsql", {*plpgsql sql stmt var row rec dtype expr new variabl lineno*}

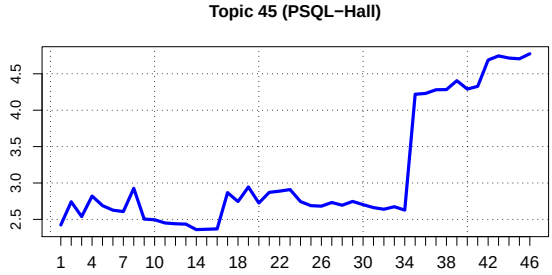
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
45	0.9732	0.3368
53	1.2541	0.1542
38	1.2767	0.0803

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
25	3.2629	0.0047
70	3.2058	0.0062
57	3.3530	0.0145

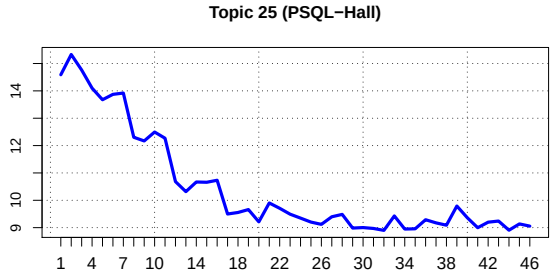
Best matching topic (Topic distance = 0.973, Evolution distance = 0.3368):



V	θ	Size	File	Package
46	0.89	1638	bootparse.c	src.backend.bootstrap
46	0.88	5586	pl_gram.c	src.pl.plpgsql.src
46	0.88	1362	cubeparse.c	contrib.cube
46	0.83	1377	segparse.c	contrib.seg
27	0.99	6127	pl_gram.c	src.pl.plpgsql.src
27	0.91	1586	bootparse.c	src.backend.bootstrap
27	0.35	132	parser.c	src.backend.parser
27	0.20	191	system.c	src.backend.port.darwin
14	0.99	5625	pl_gram.c	src.pl.plpgsql.src
14	0.88	1545	bootparse.c	src.backend.bootstrap
14	0.22	209	parser.c	src.backend.parser
14	0.14	91	scansup.c	src.backend.parser

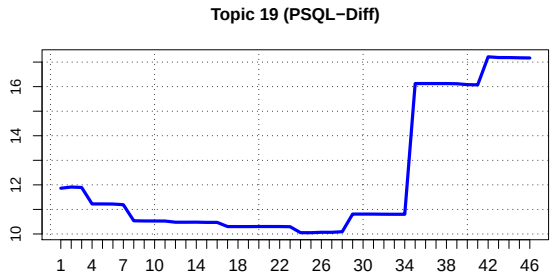
"plpgsql plpgsql", {*plpgsql defin stmt sql line new endif error gram stack expr*}

Best matching topic evolution (Topic distance = 3.263, Evolution distance = 0.0047):



V	θ	Size	File	Package
2	0.75	4903	relcache.c	src.backend.utils.cache
2	0.73	5174	index.c	src.backend.catalog
2	0.67	810	cluster.c	src.backend.commands
2	0.58	359	rewriteRemove.c	src.backend.rewrite
28	1.00	183	rewriteSupport.c	src.backend.rewrite
28	0.78	352	indexing.c	src.backend.catalog
28	0.78	8124	relcache.c	src.backend.utils.cache
28	0.74	4121	index.c	src.backend.catalog
32	1.00	181	rewriteSupport.c	src.backend.rewrite
32	0.80	8096	relcache.c	src.backend.utils.cache
32	0.75	4211	index.c	src.backend.catalog
32	0.71	370	indexing.c	src.backend.catalog

"relat relat", {*relat index rel heap tupl oid info scan lock attribut access*}



V	θ	Size	File	Package
42	0.81	1724	gindatapage.c	src.backend.access.gin
42	0.77	1152	ginbtree.c	src.backend.access.gin
42	0.76	1646	ginentrypage.c	src.backend.access.gin
42	0.67	4218	nbtinsert.c	src.backend.access.nbtree
33	0.70	3407	nbtinsert.c	src.backend.access.nbtree
33	0.61	2436	nbtpage.c	src.backend.access.nbtree
33	0.58	2786	nbtsearch.c	src.backend.access.nbtree
33	0.57	1400	bufpage.c	src.backend.storage.page
25	0.70	3440	nbtinsert.c	src.backend.access.nbtree
25	0.61	2393	nbtpage.c	src.backend.access.nbtree
25	0.60	558	rtget.c	src.backend.access.rtree
25	0.58	2800	nbtsearch.c	src.backend.access.nbtree

"page page", {*page item buffer number offset opaqu rel pointer blkno itup block*}

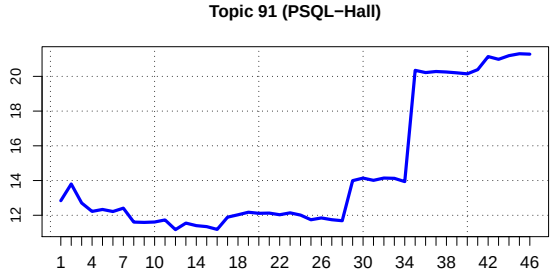
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
91	0.1819	0.0086
67	1.1900	0.2079
58	1.5427	0.0742

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
91	0.1819	0.0086
45	3.2397	0.0133
99	2.9620	0.0286

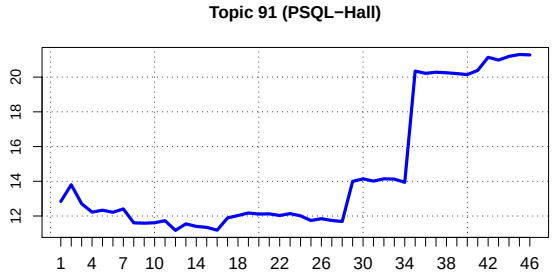
Best matching topic (Topic distance = 0.182, Evolution distance = 0.0086):



V	θ	Size	File	Package
45	0.99	1152	ginbtree.c	src.backend.access.gin
45	0.97	1724	gindatapage.c	src.backend.access.gin
45	0.91	2942	nbtpage.c	src.backend.access.nbtree
45	0.90	1646	ginentrypage.c	src.backend.access.gin
4	0.98	44	itemptr.c	src.backend.storage.page
4	0.94	4601	nbtinsert.c	src.backend.access.nbtree
4	0.79	1040	nbtpage.c	src.backend.access.nbtree
4	0.72	570	hashinsert.c	src.backend.access.hash
12	0.94	4697	nbtinsert.c	src.backend.access.nbtree
12	0.78	1021	nbtpage.c	src.backend.access.nbtree
12	0.71	569	hashinsert.c	src.backend.access.hash
12	0.70	44	itemptr.c	src.backend.storage.page

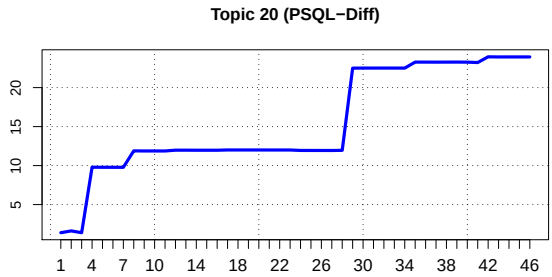
"offset number", {*page buffer item number offset index rel opaqu block buf pointer*}

Best matching topic evolution (Topic distance = 0.182, Evolution distance = 0.0086):



V	θ	Size	File	Package
45	0.99	1152	ginbtree.c	src.backend.access.gin
45	0.97	1724	gindatapage.c	src.backend.access.gin
45	0.91	2942	nbtpage.c	src.backend.access.nbtree
45	0.90	1646	ginentrypage.c	src.backend.access.gin
4	0.98	44	itemptr.c	src.backend.storage.page
4	0.94	4601	nbtinsert.c	src.backend.access.nbtree
4	0.79	1040	nbtpage.c	src.backend.access.nbtree
4	0.72	570	hashinsert.c	src.backend.access.hash
12	0.94	4697	nbtinsert.c	src.backend.access.nbtree
12	0.78	1021	nbtpage.c	src.backend.access.nbtree
12	0.71	569	hashinsert.c	src.backend.access.hash
12	0.70	44	itemptr.c	src.backend.storage.page

"offset number", {*page buffer item number offset index rel opaqu block buf pointer*}



V	θ	Size	File	Package
42	0.99	303	internal-sha2.c	contrib.pgcrypto
42	0.93	366	pgp-cfb.c	contrib.pgcrypto
42	0.88	227	pgp-pubenc.c	contrib.pgcrypto
42	0.85	800	pgp-encrypt.c	contrib.pgcrypto
21	0.84	592	openssl.c	contrib.pgcrypto
21	0.82	488	internal.c	contrib.pgcrypto
21	0.82	268	px.c	contrib.pgcrypto
21	0.78	172	pg_backup_null.c	src.bin.pg_dump
1	0.26	322	inet_net_ntop.c	src.backend.utils.adt
1	0.22	449	inet_net_pton.c	src.backend.utils.adt
1	0.14	295	entab.c	src.tools.entab
1	0.10	208	hashfunc.c	src.backend.access.hash

"die horribl", {*ctx uint len dst data toc archiv src blob digest free*}

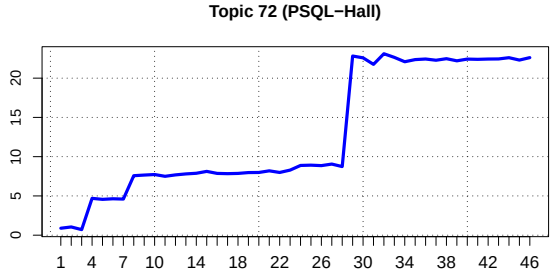
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
72	0.5742	0.0855
43	0.7645	0.2386
48	1.2023	0.3735

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
5	2.9910	0.0853
72	0.5742	0.0855
64	2.4701	0.0991

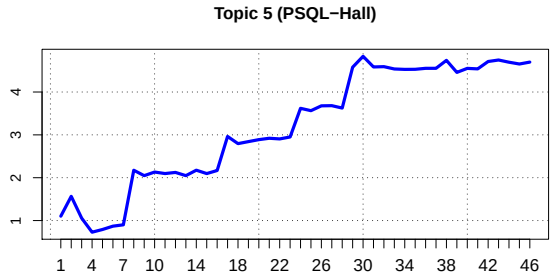
Best matching topic (Topic distance = 0.574, Evolution distance = 0.0855):



V	θ	Size	File	Package
32	1.00	1022	openssl.c	contrib.pgcrypto
32	1.00	366	pgp-cfb.c	contrib.pgcrypto
32	1.00	14	pgp-mpi-internal.c	contrib.pgcrypto
32	1.00	9	isnan.c	src.backend.port.qnx4
23	1.00	592	openssl.c	contrib.pgcrypto
23	1.00	268	px.c	contrib.pgcrypto
23	0.98	488	internal.c	contrib.pgcrypto
23	0.92	335	mhash.c	contrib.pgcrypto
3	0.29	1853	fmgr.c	src.backend.utils.fmgr
3	0.15	96	nbtcompare.c	src.backend.access.nbtree
3	0.09	204	name.c	src.backend.utils.adt
3	0.06	1150	mcxt.c	src.backend.utils.mmgr

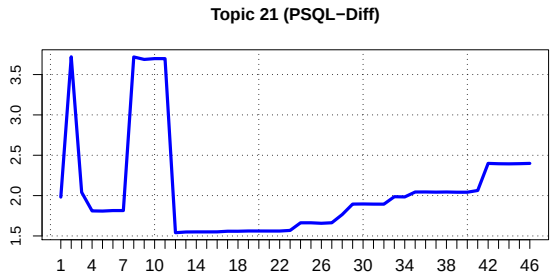
"data ctx", {*data ctx kei uint len free cipher encrypt buf size init*}

Best matching topic evolution (Topic distance = 2.991, Evolution distance = 0.0853):



V	θ	Size	File	Package
30	1.00	898	clog.c	src.backend.access.transam
30	0.99	4643	multixact.c	src.backend.access.transam
30	0.86	1866	slru.c	src.backend.access.transam
30	0.76	726	subtrans.c	src.backend.access.transam
17	1.00	842	clog.c	src.backend.access.transam
17	0.92	2068	slru.c	src.backend.access.transam
17	0.59	426	varsup.c	src.backend.access.transam
17	0.21	105	rmgr.c	src.backend.access.transam
4	0.44	285	varsup.c	src.backend.access.transam
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.08	888	sinval.c	src.backend.storage.ipc
4	0.04	487	variable.c	src.interfaces.ecpg.preproc

"shmem variabl", {*page multi xact xid transact share offset clog ctl lock member*}



V	θ	Size	File	Package
2	0.70	1491	dlg_specific.c	src.interfaces.odbc
2	0.14	258	oset.c	src.backend.utils.mmgr
2	0.14	266	parser.c	src.backend.parser
2	0.13	1150	mcxt.c	src.backend.utils.mmgr
31	0.10	92	win32.c	src.backend.port.dynloader
31	0.10	58	port.c	src.backend.port.nextstep
31	0.09	2622	aset.c	src.backend.utils.mmgr
31	0.07	632	pg_locale.c	src.backend.utils.adt
12	0.10	58	port.c	src.backend.port.nextstep
12	0.10	2475	aset.c	src.backend.utils.mmgr
12	0.09	407	pg_locale.c	src.backend.utils.adt
12	0.09	84	spin.c	src.backend.storage.lmgr

"set set", {*set global save check els size max unknown attribut tmp oid*}

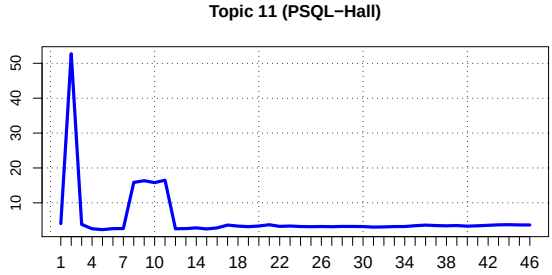
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
11	2.3680	3.4118
47	2.3815	0.2409
65	2.4066	0.3017

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
96	2.9198	0.1042
86	3.1245	0.1065
2	3.8198	0.1068

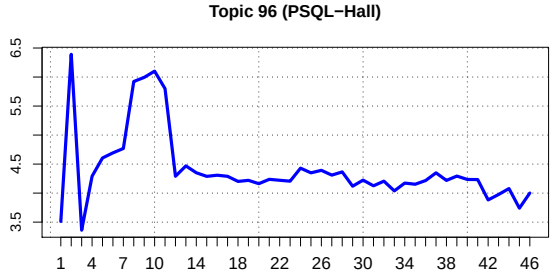
Best matching topic (Topic distance = 2.368, Evolution distance = 3.4118):



V	θ	Size	File	Package
2	0.83	2084	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc2
2	0.82	670	CallableStatement.java	src.interfaces.jdbc.postgresql.jdbc2
2	0.82	1458	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc1
2	0.82	2051	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc2
40	0.92	796	bitmapset.c	src.backend.nodes
40	0.62	1220	mbutils.c	src.backend.utils.mb
40	0.31	1096	postinit.c	src.backend.utils.init
40	0.27	190	pgevent.c	src.bin.pgevent
5	0.37	1143	dbcommands.c	src.backend.commands
5	0.34	70	excid.c	src.backend.utils.error
5	0.31	751	postinit.c	src.backend.utils.init
5	0.24	514	database.c	src.backend.utils.misc

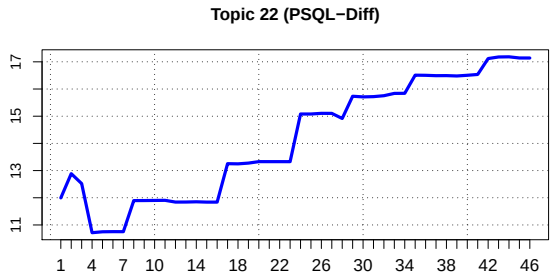
"encod encod", {*databas encod set result sql client column src error bitmapset except*}

Best matching topic evolution (Topic distance = 2.920, Evolution distance = 0.1042):



V	θ	Size	File	Package
2	0.83	2007	hba.c	src.backend.libpq
2	0.80	1211	auth.c	src.backend.libpq
2	0.71	413	crypt.c	src.backend.libpq
2	0.64	678	fe-auth.c	src.interfaces.libpq
40	0.99	3196	hba.c	src.backend.libpq
40	0.96	277	crypt.c	src.backend.libpq
40	0.76	1594	auth.c	src.backend.libpq
40	0.54	939	fe-auth.c	src.interfaces.libpq
3	0.84	2007	hba.c	src.backend.libpq
3	0.80	1211	auth.c	src.backend.libpq
3	0.71	413	crypt.c	src.backend.libpq
3	0.53	147	password.c	src.backend.libpq

"auth req", {*line port file user ident password auth statu token error crypt*}



V	θ	Size	File	Package
44	0.71	77	strtoul.c	src.port
44	0.60	158	strtol.c	src.port
44	0.54	454	utilities.c	src.backend.snowball.libstemmer
44	0.46	33	ialloc.c	src.timezone
20	0.70	79	strtoul.c	src.port
20	0.67	140	strtol.c	src.port
20	0.64	423	utilities.c	contrib.tsearch2.snowball
20	0.62	66	api.c	contrib.tsearch2.snowball
4	0.74	140	strtol.c	src.backend.port
4	0.70	79	strtoul.c	src.backend.port
4	0.60	65	bit.c	src.backend.lib
4	0.36	61	Varray.c	src.backend.tioga

"size size", {*size bit max els min for length offset number byte set*}

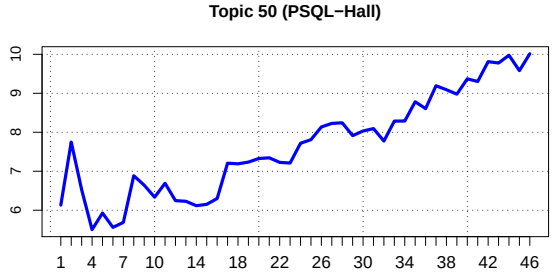
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
50	1.5792	0.0045
47	1.6759	0.0195
33	1.9518	0.0158

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
50	1.5792	0.0045
41	3.4756	0.0077
85	2.6562	0.0100

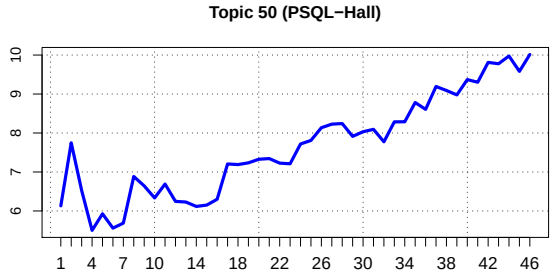
Best matching topic (Topic distance = 1.579, Evolution distance = 0.0045):



V	θ	Size	File	Package
46	0.87	2621	aset.c	src.backend.utils.mmgr
46	0.55	55	api.c	src.backend.snowball.libstemmer
46	0.52	454	utilities.c	src.backend.snowball.libstemmer
46	0.48	33	ialloc.c	src.timezone
24	0.88	2571	aset.c	src.backend.utils.mmgr
24	0.70	66	api.c	contrib.tsearch2.snowball
24	0.52	423	utilities.c	contrib.tsearch2.snowball
24	0.41	34	ialloc.c	src.timezone
4	0.89	2428	aset.c	src.backend.utils.mmgr
4	0.41	27	memory.c	src.interfaces.ecpg.lib
4	0.36	61	Varray.c	src.backend.tioga
4	0.34	957	bufpage.c	src.backend.storage.page

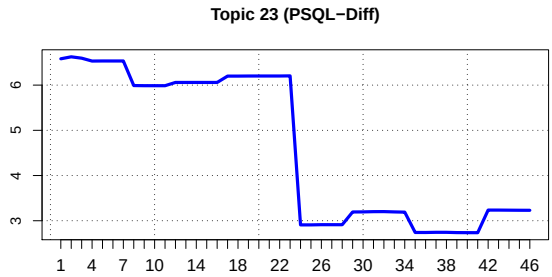
"size size", {*size alloc chunk block set space free pointer memori max header*}

Best matching topic evolution (Topic distance = 1.579, Evolution distance = 0.0045):



V	θ	Size	File	Package
46	0.87	2621	aset.c	src.backend.utils.mmgr
46	0.55	55	api.c	src.backend.snowball.libstemmer
46	0.52	454	utilities.c	src.backend.snowball.libstemmer
46	0.48	33	ialloc.c	src.timezone
24	0.88	2571	aset.c	src.backend.utils.mmgr
24	0.70	66	api.c	contrib.tsearch2.snowball
24	0.52	423	utilities.c	contrib.tsearch2.snowball
24	0.41	34	ialloc.c	src.timezone
4	0.89	2428	aset.c	src.backend.utils.mmgr
4	0.41	27	memory.c	src.interfaces.ecpg.lib
4	0.36	61	Varray.c	src.backend.tioga
4	0.34	957	bufpage.c	src.backend.storage.page

"size size", {*size alloc chunk block set space free pointer memori max header*}



V	θ	Size	File	Package
2	0.90	231	nbtstrat.c	src.backend.access.nbtree
2	0.84	87	hashstrat.c	src.backend.access.hash
2	0.82	209	gststrat.c	src.backend.access.gist
2	0.76	525	rtstrat.c	src.backend.access.rtree
42	0.46	250	scankey.c	src.backend.access.common
42	0.26	2831	nbtutils.c	src.backend.access.nbtree
42	0.24	84	geo_selfuncs.c	src.backend.utils.adt
42	0.20	176	ginarrayproc.c	src.backend.access.gin
41	0.45	235	scankey.c	src.backend.access.common
41	0.24	84	geo_selfuncs.c	src.backend.utils.adt
41	0.23	2288	nbtutils.c	src.backend.access.nbtree
41	0.18	136	ginarrayproc.c	src.backend.access.gin

"strategi number", {*strategi equal number index entri map procedur btequal term valid relat*}

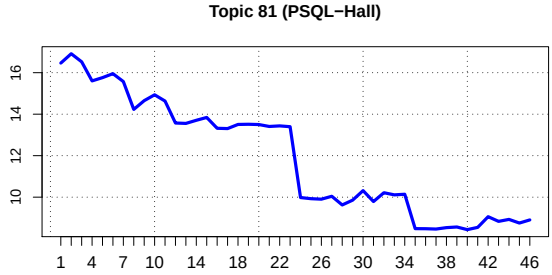
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
81	1.2395	0.0463
25	1.8642	0.1447
32	2.2937	0.3661

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
81	1.2395	0.0463
25	1.8642	0.1447
70	2.7801	0.1584

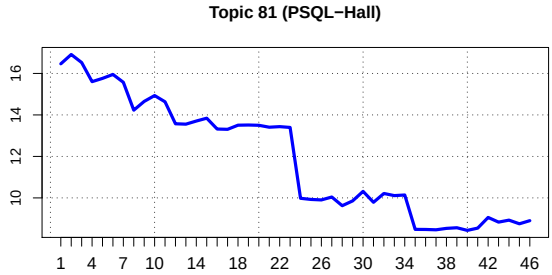
Best matching topic (Topic distance = 1.239, Evolution distance = 0.0463):



V	θ	Size	File	Package
2	0.99	231	nbtstrat.c	src.backend.access.nbtree
2	0.98	132	scankey.c	src.backend.access.common
2	0.93	596	genam.c	src.backend.access.index
2	0.93	87	hashstrat.c	src.backend.access.hash
30	0.87	1135	nbtutils.c	src.backend.access.nbtree
30	0.85	111	rtstrat.c	src.backend.access.rtree
30	0.74	76	indexvalid.c	src.backend.access.common
30	0.70	235	scankey.c	src.backend.access.common
40	0.73	721	ginscan.c	src.backend.access.gin
40	0.67	235	scankey.c	src.backend.access.common
40	0.65	358	gistscan.c	src.backend.access.gist
40	0.64	2288	nbtutils.c	src.backend.access.nbtree

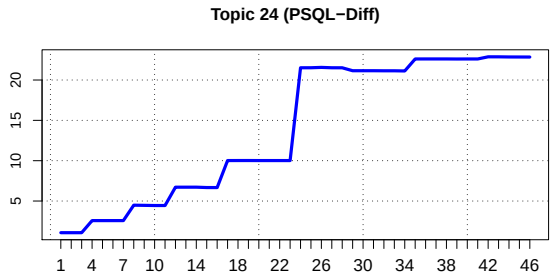
"scan kei", {*scan kei index number strategi data pointer desc current entri relat*}

Best matching topic evolution (Topic distance = 1.239, Evolution distance = 0.0463):



V	θ	Size	File	Package
2	0.99	231	nbtstrat.c	src.backend.access.nbtree
2	0.98	132	scankey.c	src.backend.access.common
2	0.93	596	genam.c	src.backend.access.index
2	0.93	87	hashstrat.c	src.backend.access.hash
30	0.87	1135	nbtutils.c	src.backend.access.nbtree
30	0.85	111	rtstrat.c	src.backend.access.rtree
30	0.74	76	indexvalid.c	src.backend.access.common
30	0.70	235	scankey.c	src.backend.access.common
40	0.73	721	ginscan.c	src.backend.access.gin
40	0.67	235	scankey.c	src.backend.access.common
40	0.65	358	gistscan.c	src.backend.access.gist
40	0.64	2288	nbtutils.c	src.backend.access.nbtree

"scan kei", {*scan kei index number strategi data pointer desc current entri relat*}



V	θ	Size	File	Package
42	0.93	510	btree_utils_num.c	contrib.btree_gist
42	0.88	389	tsquery_gist.c	src.backend.utils.adt
42	0.76	247	btree_float8.c	contrib.btree_gist
42	0.76	856	_ltree_gist.c	contrib.ltree
19	0.87	138	btree_common.c	contrib.btree_gist
19	0.80	841	_ltree_gist.c	contrib.ltree
19	0.76	1090	ltree_gist.c	contrib.ltree
19	0.74	954	_int_gist.c	contrib.intarray
2	0.55	44	itemptr.c	src.backend.storage.page
2	0.19	2784	gist.c	src.backend.access.gist
2	0.15	2133	rtree.c	src.backend.access.rtree
2	0.07	836	pg_lzcompress.c	src.backend.utils.adt

"gistentri entri gistentri", {*pointer datum spl kei entri gbt gistentri number gist size offset*}

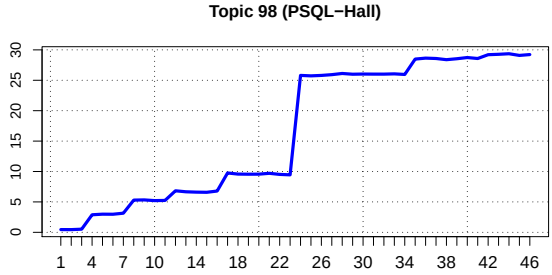
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
98	0.3190	0.0153
42	1.9670	0.1529
47	2.1266	0.5438

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
98	0.3190	0.0153
62	3.1109	0.0749
24	2.5089	0.0829

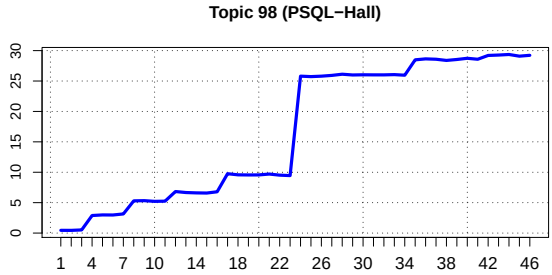
Best matching topic (Topic distance = 0.319, Evolution distance = 0.0153):



V	θ	Size	File	Package
44	1.00	259	btree_cash.c	contrib.btree_gist
44	1.00	247	btree_float4.c	contrib.btree_gist
44	1.00	247	btree_float8.c	contrib.btree_gist
44	1.00	248	btree_int4.c	contrib.btree_gist
17	0.93	1588	seg.c	contrib.seg
17	0.90	138	btree_common.c	contrib.btree_gist
17	0.86	954	_int_gist.c	contrib.intarray
17	0.85	1535	cube.c	contrib.cube
2	0.18	2133	rtree.c	src.backend.access.rtree
2	0.17	2784	gist.c	src.backend.access.gist
2	0.04	418	be-pqexec.c	src.backend.libpq
2	0.04	219	mac.c	src.backend.utils.adt

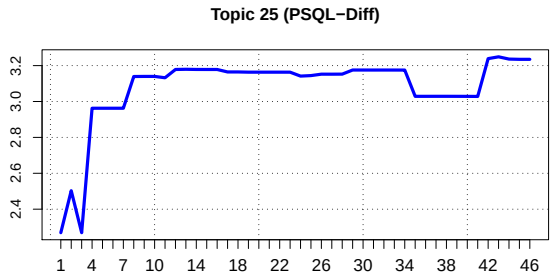
"strategi number", {*datum pointer kei gbt function entri number size spl gist seg*}

Best matching topic evolution (Topic distance = 0.319, Evolution distance = 0.0153):



V	θ	Size	File	Package
44	1.00	259	btree_cash.c	contrib.btree_gist
44	1.00	247	btree_float4.c	contrib.btree_gist
44	1.00	247	btree_float8.c	contrib.btree_gist
44	1.00	248	btree_int4.c	contrib.btree_gist
17	0.93	1588	seg.c	contrib.seg
17	0.90	138	btree_common.c	contrib.btree_gist
17	0.86	954	_int_gist.c	contrib.intarray
17	0.85	1535	cube.c	contrib.cube
2	0.18	2133	rtree.c	src.backend.access.rtree
2	0.17	2784	gist.c	src.backend.access.gist
2	0.04	418	be-pqexec.c	src.backend.libpq
2	0.04	219	mac.c	src.backend.utils.adt

"strategi number", {*datum pointer kei gbt function entri number size spl gist seg*}



V	θ	Size	File	Package
43	0.59	2155	deadlock.c	src.backend.storage.lmgr
43	0.54	505	shmqueue.c	src.backend.storage.ipc
43	0.45	2799	procarray.c	src.backend.storage.ipc
43	0.40	3343	proc.c	src.backend.storage.lmgr
28	0.60	2081	deadlock.c	src.backend.storage.lmgr
28	0.54	505	shmqueue.c	src.backend.storage.ipc
28	0.44	2548	proc.c	src.backend.storage.lmgr
28	0.39	4305	lock.c	src.backend.storage.lmgr
3	0.57	516	shmqueue.c	src.backend.storage.ipc
3	0.52	4738	lock.c	src.backend.storage.lmgr
3	0.50	2024	proc.c	src.backend.storage.lmgr
3	0.26	787	sinval.c	src.backend.storage.ipc

"proc proc", {*proc lock xid holder wait queue method hold tabl pgproc backend*}

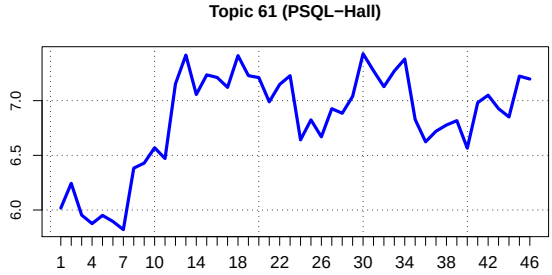
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
61	0.6105	0.0068
83	1.9725	0.3311
47	2.2999	0.0222

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
61	0.6105	0.0068
46	2.4180	0.0086
20	2.7083	0.0095

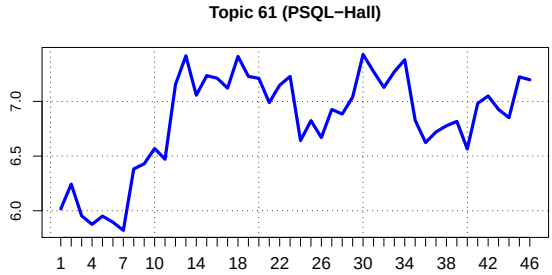
Best matching topic (Topic distance = 0.610, Evolution distance = 0.0068):



V	θ	Size	File	Package
30	0.91	1151	lwlock.c	src.backend.storage.lmgr
30	0.87	5202	lock.c	src.backend.storage.lmgr
30	0.85	2696	proc.c	src.backend.storage.lmgr
30	0.67	89	user_locks.c	contrib.userlock
27	0.94	981	lwlock.c	src.backend.storage.lmgr
27	0.88	4305	lock.c	src.backend.storage.lmgr
27	0.84	2548	proc.c	src.backend.storage.lmgr
27	0.62	2081	deadlock.c	src.backend.storage.lmgr
7	0.95	3768	lock.c	src.backend.storage.lmgr
7	0.72	2043	proc.c	src.backend.storage.lmgr
7	0.67	735	lmgr.c	src.backend.storage.lmgr
7	0.62	1721	deadlock.c	src.backend.storage.lmgr

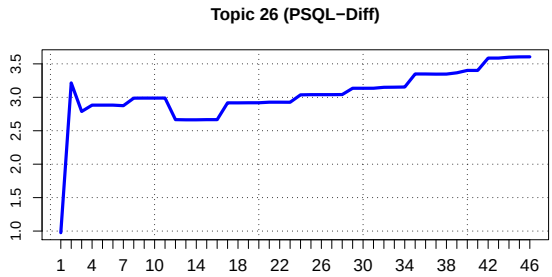
"lock lock", {*lock proc wait tag lwlock tabl releas lockmod method acquir queue*}

Best matching topic evolution (Topic distance = 0.610, Evolution distance = 0.0068):



V	θ	Size	File	Package
30	0.91	1151	lwlock.c	src.backend.storage.lmgr
30	0.87	5202	lock.c	src.backend.storage.lmgr
30	0.85	2696	proc.c	src.backend.storage.lmgr
30	0.67	89	user_locks.c	contrib.userlock
27	0.94	981	lwlock.c	src.backend.storage.lmgr
27	0.88	4305	lock.c	src.backend.storage.lmgr
27	0.84	2548	proc.c	src.backend.storage.lmgr
27	0.62	2081	deadlock.c	src.backend.storage.lmgr
7	0.95	3768	lock.c	src.backend.storage.lmgr
7	0.72	2043	proc.c	src.backend.storage.lmgr
7	0.67	735	lmgr.c	src.backend.storage.lmgr
7	0.62	1721	deadlock.c	src.backend.storage.lmgr

"lock lock", {*lock proc wait tag lwlock tabl releas lockmod method acquir queue*}



V	θ	Size	File	Package
46	0.83	3464	print.c	src.bin.psql
46	0.44	7973	copy.c	src.backend.commands
46	0.42	1120	fe-print.c	src.interfaces.libpq
46	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
24	0.89	1970	print.c	src.bin.psql
24	0.43	1092	fe-print.c	src.interfaces.libpq
24	0.41	5727	copy.c	src.backend.commands
24	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
1	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
1	0.24	2601	copy.c	src.backend.commands
1	0.18	295	entab.c	src.tools.entab
1	0.07	415	mpgsql.c	contrib.mSQL-interface

"cstate raw", {*copi cstate ptr line opt fout raw count eof print els*}

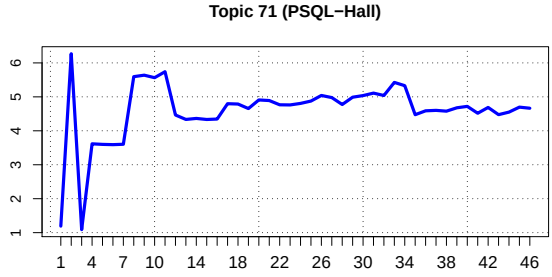
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
71	0.8087	0.0615
52	1.2680	0.0479
47	1.8541	0.0172

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
47	1.8541	0.0172
32	2.3995	0.0188
95	2.9546	0.0190

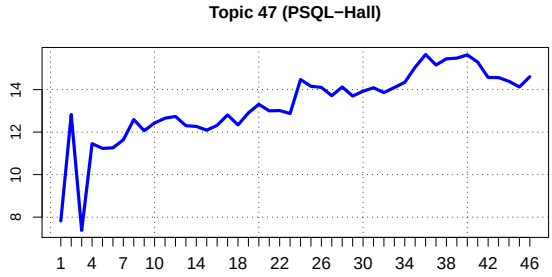
Best matching topic (Topic distance = 0.809, Evolution distance = 0.0615):



V	θ	Size	File	Package
2	1.00	1032	fe-print.c	src.interfaces.libpq
2	0.98	1740	print.c	src.bin.psql
2	0.55	195	pgdatabase.cc	src.interfaces.libpq++
2	0.49	69	tuple.c	src.interfaces.odbc
45	1.00	1120	fe-print.c	src.interfaces.libpq
45	0.96	3464	print.c	src.bin.psql
45	0.40	182	crypt-gensalt.c	contrib.pgcrypto
45	0.33	314	mbprint.c	src.bin.psql
3	0.33	415	mpgsql.c	contrib.mSQL-interface
3	0.16	108	halt.c	src.tools.entab
3	0.14	1016	portal.c	src.backend.libpq
3	0.12	295	entab.c	src.tools.entab

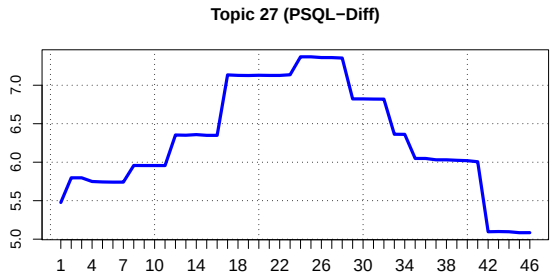
"fprintf output", {*opt field fout ptr count output print fput fprintf for col*}

Best matching topic evolution (Topic distance = 1.854, Evolution distance = 0.0172):



V	θ	Size	File	Package
36	1.00	77	c_keywords.c	src.interfaces.ecpg.preproc
36	1.00	77	strtoul.c	src.port
36	0.98	86	pgstrcasecmp.c	src.port
36	0.89	408	stringutils.c	src.bin.psql
20	0.99	77	c_keywords.c	src.interfaces.ecpg.preproc
20	0.97	79	strtoul.c	src.port
20	0.91	140	strtol.c	src.port
20	0.90	598	keywords.c	src.interfaces.ecpg.preproc
3	1.00	30	strcasecmp.c	src.backend.port
3	0.99	79	strtoul.c	src.backend.port
3	0.89	140	strtol.c	src.backend.port
3	0.81	836	pg_lzcompress.c	src.backend.utils.adt

"action item action", {*keyword els max letter word charact base action defin match sql*}



V	θ	Size	File	Package
24	0.89	3549	plperl.c	src.pl.plperl
24	0.88	3912	pltcl.c	src.pl.tcl
24	0.42	3645	spi.c	src.backend.executor
24	0.38	1680	pending.c	contrib.dbmirror
35	0.62	3888	pltcl.c	src.pl.tcl
35	0.50	21	spi_internal.c	src.pl.plperl
35	0.42	3792	spi.c	src.backend.executor
35	0.39	4485	plperl.c	src.pl.plperl
45	0.58	4188	pltcl.c	src.pl.tcl
45	0.50	21	spi_internal.c	src.pl.plperl
45	0.38	4590	plperl.c	src.pl.plperl
45	0.37	4495	spi.c	src.backend.executor

"spi process", {*spi error plan restart tupl proc warn tupdesc oid datum type*}

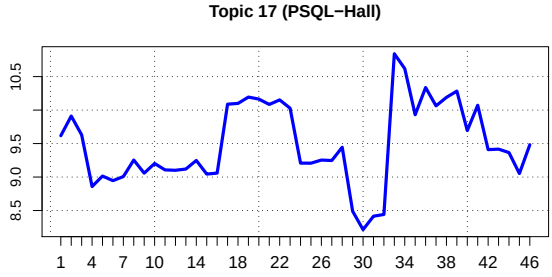
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
17	0.4840	0.0332
70	1.4317	0.1331
12	1.4362	0.0599

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
46	2.6866	0.0166
61	2.9250	0.0237
20	1.7186	0.0238

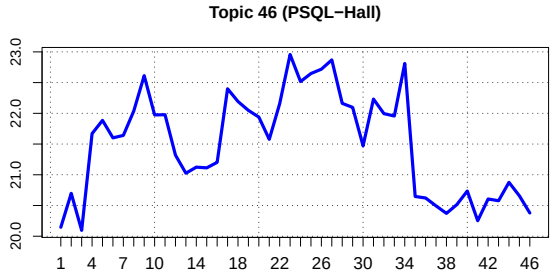
Best matching topic (Topic distance = 0.484, Evolution distance = 0.0332):



V	θ	Size	File	Package
33	1.00	258	autoinc.c	contrib.spi
33	0.98	225	insert_username.c	contrib.spi
33	0.94	257	moddatetime.c	contrib.spi
33	0.92	191	lo.c	contrib.lo
44	1.00	260	autoinc.c	contrib.spi
44	1.00	227	insert_username.c	contrib.spi
44	0.95	259	moddatetime.c	contrib.spi
44	0.91	193	lo.c	contrib.lo
30	1.00	258	autoinc.c	contrib.spi
30	1.00	225	insert_username.c	contrib.spi
30	0.90	191	lo.c	contrib.lo
30	0.83	938	timetravel.c	contrib.spi

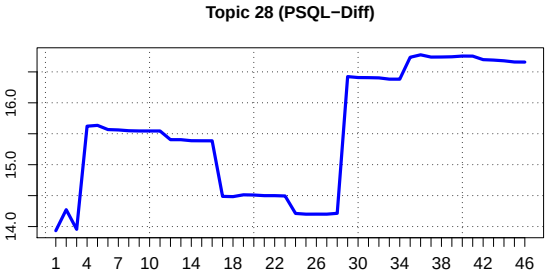
"elog error", {*spi error plan trigger tupl elog datum arg tupdesc call current*}

Best matching topic evolution (Topic distance = 2.687, Evolution distance = 0.0166):



V	θ	Size	File	Package
23	1.00	131	geqo_cx.c	src.backend.optimizer.geqo
23	1.00	825	geqo_erx.c	src.backend.optimizer.geqo
23	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
23	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
6	1.00	15	geqo_copy.c	src.backend.optimizer.geqo
6	1.00	836	geqo_erx.c	src.backend.optimizer.geqo
6	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
6	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
3	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
3	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
3	1.00	125	geqo_ox2.c	src.backend.optimizer.geqo
3	1.00	188	geqo_pmx.c	src.backend.optimizer.geqo

"strcpy errbuf", {*edg pool gene tabl tour constraint citi geqo num list order*}



V	θ	Size	File	Package
36	0.82	887	nodeNestloop.c	src.backend.executor
36	0.77	411	nodeUnique.c	src.backend.executor
36	0.75	489	nodeResult.c	src.backend.executor
36	0.68	570	nodeMaterial.c	src.backend.executor
9	0.90	834	nodeNestloop.c	src.backend.executor
9	0.87	473	nodeUnique.c	src.backend.executor
9	0.84	476	nodeResult.c	src.backend.executor
9	0.82	3297	nodeMergejoin.c	src.backend.executor
1	0.94	449	nodeUnique.c	src.backend.executor
1	0.94	736	nodeNestloop.c	src.backend.executor
1	0.88	480	nodeResult.c	src.backend.executor
1	0.82	2471	nodeMergejoin.c	src.backend.executor

"exec eval", {*exec tupl node slot estat plan outer tabl econtext state result*}

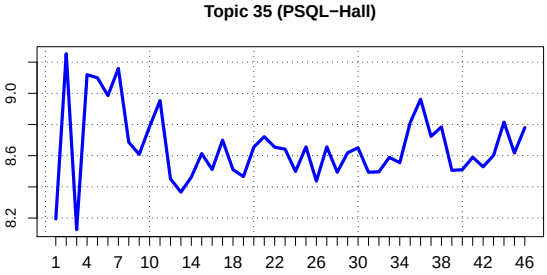
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
35	0.2155	0.0088
89	0.6413	0.0376
8	0.8522	0.0044

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
8	0.8522	0.0044
35	0.2155	0.0088
32	2.2120	0.0099

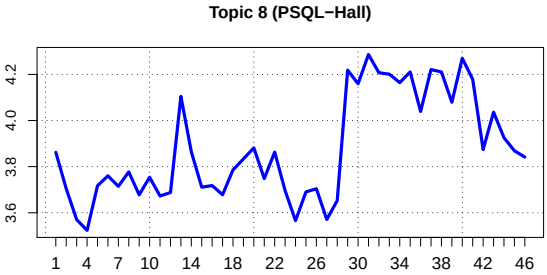
Best matching topic (Topic distance = 0.215, Evolution distance = 0.0088):



V	θ	Size	File	Package
2	0.99	736	nodeNestloop.c	src.backend.executor
2	0.94	2471	nodeMergejoin.c	src.backend.executor
2	0.88	480	nodeResult.c	src.backend.executor
2	0.82	920	nodeGroup.c	src.backend.executor
45	0.99	887	nodeNestloop.c	src.backend.executor
45	0.93	3189	nodeMergejoin.c	src.backend.executor
45	0.92	487	nodeGroup.c	src.backend.executor
45	0.85	549	nodeResult.c	src.backend.executor
3	1.00	736	nodeNestloop.c	src.backend.executor
3	0.93	2471	nodeMergejoin.c	src.backend.executor
3	0.86	480	nodeResult.c	src.backend.executor
3	0.83	920	nodeGroup.c	src.backend.executor

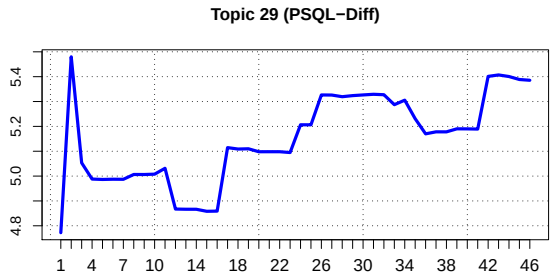
"econtext ecxt", {*tupl exec node slot outer econtext state plan expr result join*}

Best matching topic evolution (Topic distance = 0.852, Evolution distance = 0.0044):



V	θ	Size	File	Package
31	0.96	5168	execMain.c	src.backend.executor
31	0.70	689	execJunk.c	src.backend.executor
31	0.65	2058	execTuples.c	src.backend.executor
31	0.41	2392	execUtils.c	src.backend.executor
19	0.96	4880	execMain.c	src.backend.executor
19	0.70	1553	execTuples.c	src.backend.executor
19	0.55	668	execJunk.c	src.backend.executor
19	0.45	2183	execUtils.c	src.backend.executor
4	0.98	4180	execMain.c	src.backend.executor
4	0.77	1217	execTuples.c	src.backend.executor
4	0.41	895	execJunk.c	src.backend.executor
4	0.35	1564	execUtils.c	src.backend.executor

"slot slot", {*tupl slot estat result exec info tabl relat plan desc rel*}



V	θ	Size	File	Package
2	0.81	570	localbuf.c	src.backend.storage.buffer
2	0.75	5443	bufmgr.c	src.backend.storage.buffer
2	0.66	632	freelist.c	src.backend.storage.buffer
2	0.58	628	buf_init.c	src.backend.storage.buffer
36	0.67	1034	localbuf.c	src.backend.storage.buffer
36	0.65	5153	bufmgr.c	src.backend.storage.buffer
36	0.59	381	buf_init.c	src.backend.storage.buffer
36	0.38	562	freelist.c	src.backend.storage.buffer
1	0.81	570	localbuf.c	src.backend.storage.buffer
1	0.75	5414	bufmgr.c	src.backend.storage.buffer
1	0.66	632	freelist.c	src.backend.storage.buffer
1	0.58	628	buf_init.c	src.backend.storage.buffer

"buffer buffer", {*buffer buf hdr dirti block count flag tag num write local*}

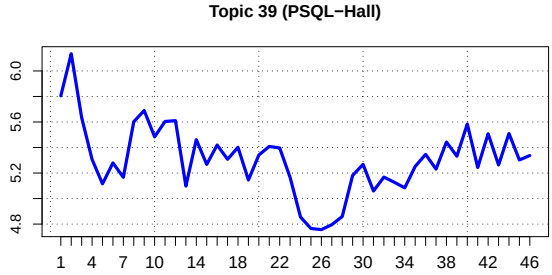
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
39	0.2171	0.0100
23	1.5172	0.0168
67	1.9195	0.3178

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
34	2.9638	0.0027
35	3.3723	0.0037
46	2.6685	0.0058

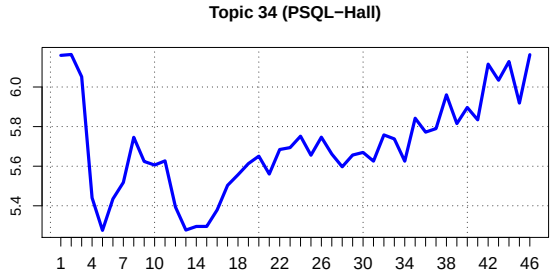
Best matching topic (Topic distance = 0.217, Evolution distance = 0.0100):



V	θ	Size	File	Package
2	0.95	570	localbuf.c	src.backend.storage.buffer
2	0.94	5443	bufmgr.c	src.backend.storage.buffer
2	0.89	632	freelist.c	src.backend.storage.buffer
2	0.74	628	buf_init.c	src.backend.storage.buffer
45	0.95	6276	bufmgr.c	src.backend.storage.buffer
45	0.83	1060	localbuf.c	src.backend.storage.buffer
45	0.77	381	buf_init.c	src.backend.storage.buffer
45	0.66	1081	freelist.c	src.backend.storage.buffer
26	0.97	4971	bufmgr.c	src.backend.storage.buffer
26	0.87	526	localbuf.c	src.backend.storage.buffer
26	0.83	426	buf_init.c	src.backend.storage.buffer
26	0.49	1766	freelist.c	src.backend.storage.buffer

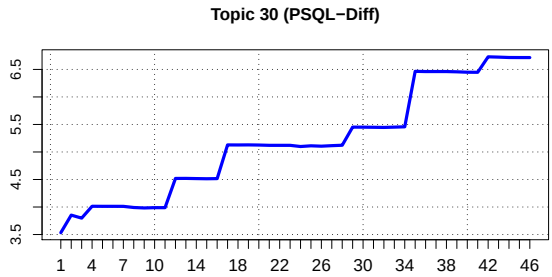
"buffer buffer", {*buffer buf hdr lock block local count tag flag dirti relat*}

Best matching topic evolution (Topic distance = 2.964, Evolution distance = 0.0027):



V	θ	Size	File	Package
2	1.00	227	var.c	src.backend.optimizer.util
2	0.85	1670	rewriteManip.c	src.backend.rewrite
2	0.71	125	nodeFuncs.c	src.backend.nodes
2	0.53	1072	setrefs.c	src.backend.optimizer.plan
27	1.00	1268	var.c	src.backend.optimizer.util
27	1.00	2234	rewriteManip.c	src.backend.rewrite
27	0.94	80	nodeFuncs.c	src.backend.nodes
27	0.53	1948	setrefs.c	src.backend.optimizer.plan
5	0.99	2106	rewriteManip.c	src.backend.rewrite
5	0.96	561	var.c	src.backend.optimizer.util
5	0.61	127	nodeFuncs.c	src.backend.nodes
5	0.51	1358	setrefs.c	src.backend.optimizer.plan

"var var", {*node var context queri expr walker varno tree refer join subqueri*}



V	θ	Size	File	Package
42	0.70	8115	arrayfuncs.c	src.backend.utils.adt
42	0.69	896	array_userfuncs.c	src.backend.utils.adt
42	0.41	367	arrayutils.c	src.backend.utils.adt
42	0.39	318	_int_tool.c	contrib.intarray
22	0.68	6314	arrayfuncs.c	src.backend.utils.adt
22	0.67	799	array_userfuncs.c	src.backend.utils.adt
22	0.59	130	arrayutils.c	src.backend.utils.adt
22	0.38	314	_int_tool.c	contrib.intarray
1	0.75	2854	arrayfuncs.c	src.backend.utils.adt
1	0.60	532	array_iterator.c	contrib.array
1	0.46	95	arrayutils.c	src.backend.utils.adt
1	0.37	834	chunk.c	src.backend.utils.adt

"arrai arrai", {*arrai arr elem dim type ndim ptr extra nitem typlen data*}

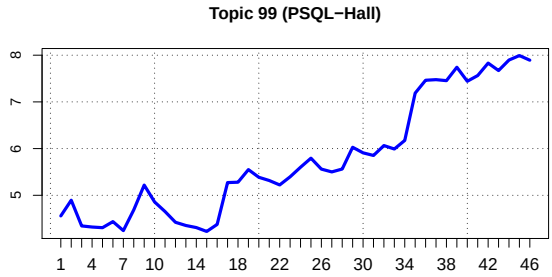
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
99	0.3170	0.0097
59	1.8077	0.0329
47	2.0556	0.0263

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
19	4.1973	0.0050
4	2.9000	0.0091
99	0.3170	0.0097

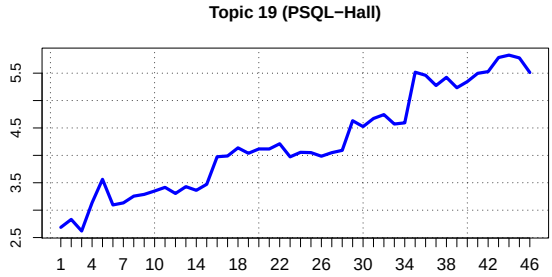
Best matching topic (Topic distance = 0.317, Evolution distance = 0.0097):



V	θ	Size	File	Package
45	0.99	8115	arrayfuncs.c	src.backend.utils.adt
45	0.95	896	array_userfuncs.c	src.backend.utils.adt
45	0.75	367	arrayutils.c	src.backend.utils.adt
45	0.42	318	_int_tool.c	contrib.intarray
27	0.98	6902	arrayfuncs.c	src.backend.utils.adt
27	0.96	799	array_userfuncs.c	src.backend.utils.adt
27	0.64	135	arrayutils.c	src.backend.utils.adt
27	0.40	314	_int_tool.c	contrib.intarray
15	0.98	3763	arrayfuncs.c	src.backend.utils.adt
15	0.91	450	array_iterator.c	contrib.array
15	0.61	130	arrayutils.c	src.backend.utils.adt
15	0.24	581	variable.c	src.interfaces.ecpg.preproc

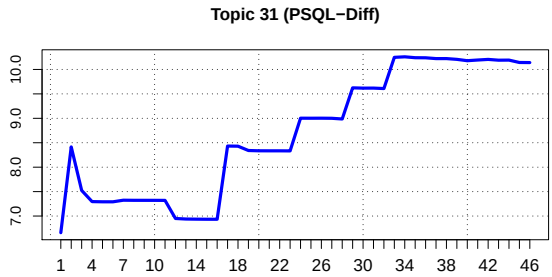
"arrai type", {*arrai elem type ndim arr dim datum extra ptr errcod result*}

Best matching topic evolution (Topic distance = 4.197, Evolution distance = 0.0050):



V	θ	Size	File	Package
44	0.85	1497	mcxt.c	src.backend.utils.mmgr
44	0.25	102	tstoreReceiver.c	src.backend.executor
44	0.23	1109	sha2.c	contrib.pgcrypto
44	0.20	5	gethostname.c	src.port
24	0.84	1462	mcxt.c	src.backend.utils.mmgr
24	0.20	103	tstoreReceiver.c	src.backend.executor
24	0.18	880	be-fsstubs.c	src.backend.libpq
24	0.14	132	dict_snowball.c	contrib.tsearch2
3	0.63	1150	mcxt.c	src.backend.utils.mmgr
3	0.28	2180	portalmem.c	src.backend.utils.mmgr
3	0.19	696	be-fsstubs.c	src.backend.libpq
3	0.19	16	eloglvl.c	src.pl.plperl

"memori context", {*context memori alloc allocset pointer node assert creat valid current reset*}



V	θ	Size	File	Package
34	0.60	1169	buffile.c	src.backend.storage.file
34	0.59	226	open.c	src.port
34	0.50	504	test_fsync.c	src.tools.fsync
34	0.43	218	copydir.c	src.port
17	0.60	1169	buffile.c	src.backend.storage.file
17	0.55	2142	fd.c	src.backend.storage.file
17	0.49	1414	md.c	src.backend.storage.smgr
17	0.39	80	smgrtype.c	src.backend.storage.smgr
1	0.62	1892	fd.c	src.backend.storage.file
1	0.61	1139	buffile.c	src.backend.storage.file
1	0.59	1539	md.c	src.backend.storage.smgr
1	0.58	59	smgrtype.c	src.backend.storage.smgr

"file file", {*file filenam open write read close errno fail unlink seek fsync*}

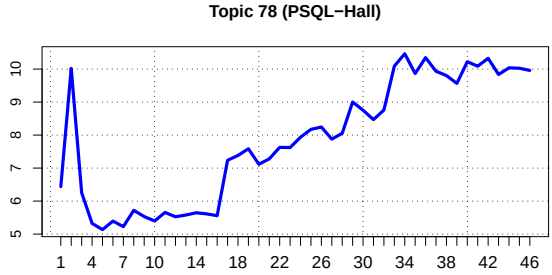
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
78	0.6820	0.0237
65	1.6026	0.0356
23	1.8807	0.0873

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
41	3.2912	0.0074
50	2.6239	0.0081
27	5.6705	0.0129

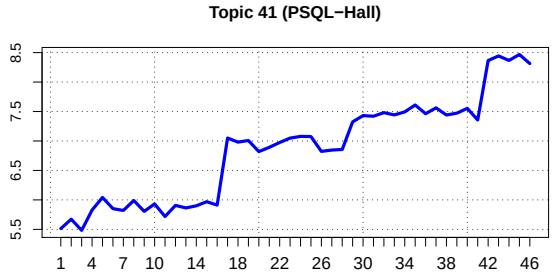
Best matching topic (Topic distance = 0.682, Evolution distance = 0.0237):



V	θ	Size	File	Package
34	0.94	1169	buffile.c	src.backend.storage.file
34	0.90	3065	fd.c	src.backend.storage.file
34	0.85	226	open.c	src.port
34	0.75	218	copydir.c	src.port
27	0.93	1169	buffile.c	src.backend.storage.file
27	0.91	2826	fd.c	src.backend.storage.file
27	0.87	227	open.c	src.port
27	0.69	734	dfmgr.c	src.backend.utils.fmgr
5	0.94	1144	buffile.c	src.backend.storage.file
5	0.89	2098	fd.c	src.backend.storage.file
5	0.75	372	dfmgr.c	src.backend.utils.fmgr
5	0.60	770	be-fsstubs.c	src.backend.libpq

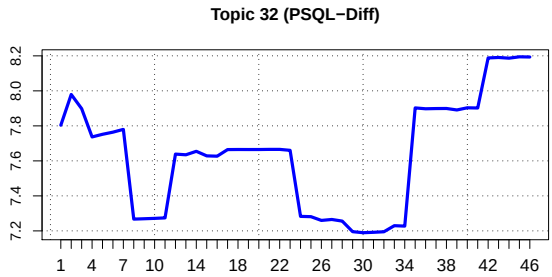
"file file", {*file open buf offset close filenam error size seek read alloc*}

Best matching topic evolution (Topic distance = 3.291, Evolution distance = 0.0074):



V	θ	Size	File	Package
45	0.80	2996	dynahash.c	src.backend.utils.hash
45	0.61	132	hashfn.c	src.backend.utils.hash
45	0.51	331	buf_table.c	src.backend.storage.buffer
45	0.41	1781	nodeHash.c	src.backend.executor
18	0.90	1636	dynahash.c	src.backend.utils.hash
18	0.81	43	hashfn.c	src.backend.utils.hash
18	0.41	1357	nodeHash.c	src.backend.executor
18	0.40	252	buf_table.c	src.backend.storage.buffer
3	0.75	1718	dynahash.c	src.backend.utils.hash
3	0.75	52	hasht.c	src.backend.lib
3	0.39	276	buf_table.c	src.backend.storage.buffer
3	0.38	1400	nodeHash.c	src.backend.executor

"hash tabl", {*hash bucket entri tabl hashtabl kei elem found uint overflow search*}



V	θ	Size	File	Package
45	0.56	799	toasting.c	src.backend.catalog
45	0.51	117	lockcmds.c	src.backend.commands
45	0.36	900	catalog.c	src.backend.catalog
45	0.35	5369	heap.c	src.backend.catalog
19	0.52	108	lockcmds.c	src.backend.commands
19	0.38	4546	heap.c	src.backend.catalog
19	0.36	2105	cluster.c	src.backend.commands
19	0.36	282	catalog.c	src.backend.catalog
30	0.50	111	lockcmds.c	src.backend.commands
30	0.36	4480	heap.c	src.backend.catalog
30	0.35	2142	cluster.c	src.backend.commands
30	0.33	8038	relcache.c	src.backend.utils.cache

"relat relat", {*relat rel oid tabl relid relnam lock relkind check system open*}

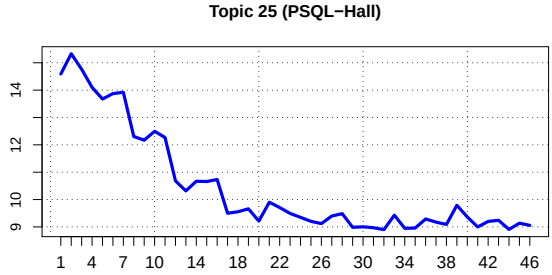
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
25	0.7862	0.0729
32	0.8322	0.0136
68	1.5600	0.3833

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
34	2.6437	0.0041
35	3.1440	0.0044
39	2.4076	0.0056

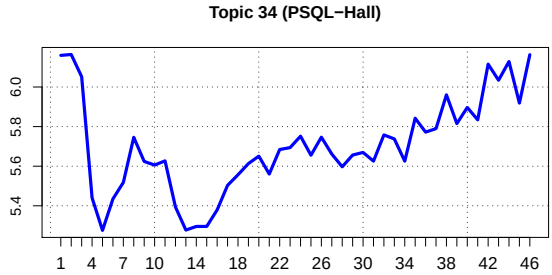
Best matching topic (Topic distance = 0.786, Evolution distance = 0.0729):



V	θ	Size	File	Package
2	0.75	4903	relcache.c	src.backend.utils.cache
2	0.73	5174	index.c	src.backend.catalog
2	0.67	810	cluster.c	src.backend.commands
2	0.58	359	rewriteRemove.c	src.backend.rewrite
28	1.00	183	rewriteSupport.c	src.backend.rewrite
28	0.78	352	indexing.c	src.backend.catalog
28	0.78	8124	relcache.c	src.backend.utils.cache
28	0.74	4121	index.c	src.backend.catalog
32	1.00	181	rewriteSupport.c	src.backend.rewrite
32	0.80	8096	relcache.c	src.backend.utils.cache
32	0.75	4211	index.c	src.backend.catalog
32	0.71	370	indexing.c	src.backend.catalog

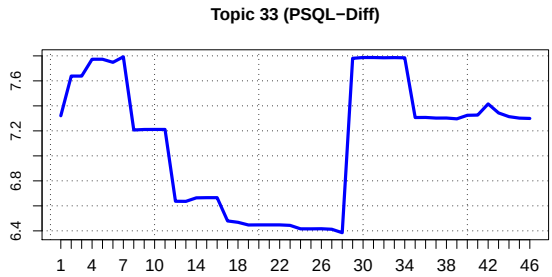
"relat relat", {*relat index rel heap tupl oid info scan lock attribut access*}

Best matching topic evolution (Topic distance = 2.644, Evolution distance = 0.0041):



V	θ	Size	File	Package
2	1.00	227	var.c	src.backend.optimizer.util
2	0.85	1670	rewriteManip.c	src.backend.rewrite
2	0.71	125	nodeFuncs.c	src.backend.nodes
2	0.53	1072	setrefs.c	src.backend.optimizer.plan
27	1.00	1268	var.c	src.backend.optimizer.util
27	1.00	2234	rewriteManip.c	src.backend.rewrite
27	0.94	80	nodeFuncs.c	src.backend.nodes
27	0.53	1948	setrefs.c	src.backend.optimizer.plan
5	0.99	2106	rewriteManip.c	src.backend.rewrite
5	0.96	561	var.c	src.backend.optimizer.util
5	0.61	127	nodeFuncs.c	src.backend.nodes
5	0.51	1358	setrefs.c	src.backend.optimizer.plan

"var var", {*node var context queri expr walker varno tree refer join subqueri*}



V	θ	Size	File	Package
7	0.64	596	genam.c	src.backend.access.index
7	0.51	350	hashscan.c	src.backend.access.hash
7	0.40	759	rtscan.c	src.backend.access.rtree
7	0.40	708	nodeSeqscan.c	src.backend.executor
46	0.37	680	nodeSeqscan.c	src.backend.executor
46	0.35	273	hashscan.c	src.backend.access.hash
46	0.35	543	genam.c	src.backend.access.index
46	0.33	1261	nodeTidscan.c	src.backend.executor
28	0.42	206	hashscan.c	src.backend.access.hash
28	0.38	980	nodeTidscan.c	src.backend.executor
28	0.38	583	genam.c	src.backend.access.index
28	0.37	723	nodeSeqscan.c	src.backend.executor

"scan desc", {*scan current index desc tid relat direct kei bitmap pointer item*}

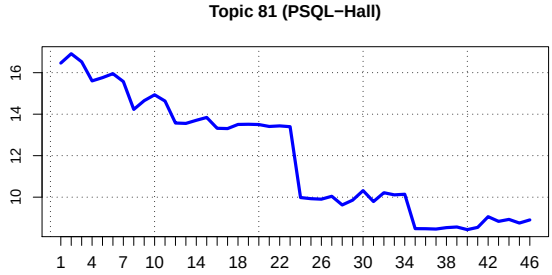
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
81	1.0261	0.1318
25	1.7667	0.0648
58	2.2039	0.0449

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
12	2.9185	0.0089
35	3.4397	0.0101
8	2.6639	0.0106

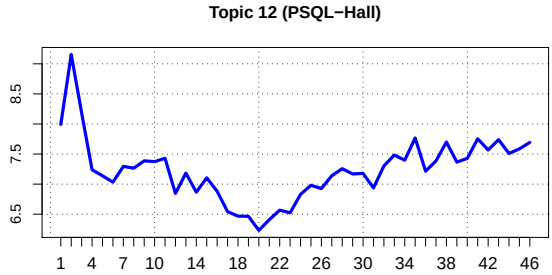
Best matching topic (Topic distance = 1.026, Evolution distance = 0.1318):



V	θ	Size	File	Package
2	0.99	231	nbtstrat.c	src.backend.access.nbtree
2	0.98	132	scankey.c	src.backend.access.common
2	0.93	596	genam.c	src.backend.access.index
2	0.93	87	hashstrat.c	src.backend.access.hash
30	0.87	1135	nbtutils.c	src.backend.access.nbtree
30	0.85	111	rtstrat.c	src.backend.access.rtree
30	0.74	76	indexvalid.c	src.backend.access.common
30	0.70	235	scankey.c	src.backend.access.common
40	0.73	721	ginscan.c	src.backend.access.gin
40	0.67	235	scankey.c	src.backend.access.common
40	0.65	358	gistscan.c	src.backend.access.gist
40	0.64	2288	nbtutils.c	src.backend.access.nbtree

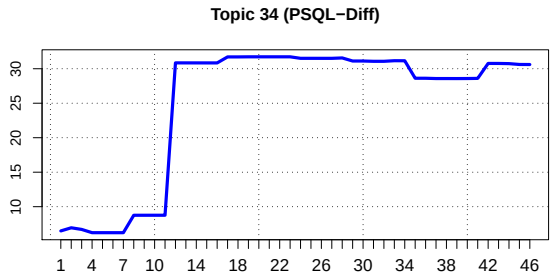
"scan kei", {*scan kei index number strategi data pointer desc current entri relat*}

Best matching topic evolution (Topic distance = 2.918, Evolution distance = 0.0089):



V	θ	Size	File	Package
2	0.90	1422	heaptuple.c	src.backend.access.common
2	0.81	624	indextuple.c	src.backend.access.common
2	0.78	1208	tupdesc.c	src.backend.access.common
2	0.56	36	tuptoaster.c	src.backend.access.heap
4	0.94	1334	heaptuple.c	src.backend.access.common
4	0.88	669	indextuple.c	src.backend.access.common
4	0.81	1888	tuptoaster.c	src.backend.access.heap
4	0.76	1248	tupdesc.c	src.backend.access.common
20	0.96	1369	heaptuple.c	src.backend.access.common
20	0.88	606	indextuple.c	src.backend.access.common
20	0.81	2232	tuptoaster.c	src.backend.access.heap
20	0.70	1442	tupdesc.c	src.backend.access.common

"tupl desc", {*tupl attr desc heap attribut datum data att toast valu attnum*}



V	θ	Size	File	Package
19	0.95	481	utf8_and_iso8859.c	src.backend.utils.mb.conversion_procs.utf8_and_iso8859
19	0.90	72	crc32.c	contrib.tsearch
19	0.90	72	crc32.c	contrib.tsearch2
19	0.85	84	pg_crc.c	src.backend.utils.hash
42	0.91	489	utf8_and_iso8859.c	src.backend.utils.mb.conversion_procs.utf8_and_iso8859
42	0.91	421	utf8_and_win.c	src.backend.utils.mb.conversion_procs.utf8_and_win
42	0.85	72	crc32.c	contrib.hstore
42	0.82	84	crc32.c	contrib.ltree
6	0.90	915	conv.c	src.backend.utils.mb
6	0.80	346	wchar.c	src.backend.utils.mb
6	0.77	426	mbutils.c	src.backend.utils.mb
6	0.51	294	sha1.c	contrib.pgcrypto

"cstring len", {*encod len utf iso euc mic win unsign assert latin els*}

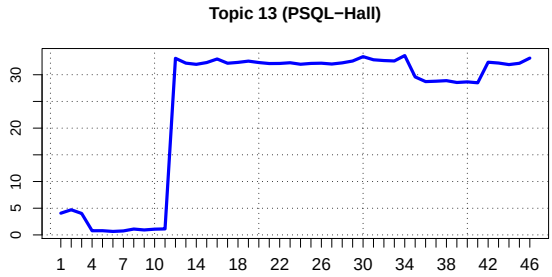
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
13	0.7137	0.0371
11	2.0575	6.1689
47	2.0674	0.2403

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
13	0.7137	0.0371
28	2.2700	0.0725
68	3.2017	0.0786

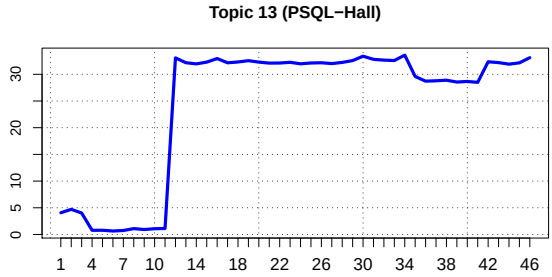
Best matching topic (Topic distance = 0.714, Evolution distance = 0.0371):



V	θ	Size	File	Package
34	1.00	93	ascii_and_mic.c	src.backend.utils.mb.conversion_procs.ascii_and_mic
34	1.00	1050	cyrillic_and_mic.c	src.backend.utils.mb.conversion_procs.cyrillic_and_mic
34	1.00	171	euc_cn_and_mic.c	src.backend.utils.mb.conversion_procs.euc_cn_and_mic
34	1.00	175	euc_kr_and_mic.c	src.backend.utils.mb.conversion_procs.euc_kr_and_mic
21	1.00	1012	cyrillic_and_mic.c	src.backend.utils.mb.conversion_procs.cyrillic_and_mic
21	1.00	134	euc_cn_and_mic.c	src.backend.utils.mb.conversion_procs.euc_cn_and_mic
21	1.00	134	euc_kr_and_mic.c	src.backend.utils.mb.conversion_procs.euc_kr_and_mic
21	1.00	405	euc_tw_and_big5.c	src.backend.utils.mb.conversion_procs.euc_tw_and_big5
6	0.39	197	ascii.c	src.backend.utils.adt
6	0.15	414	encode.c	contrib.pgcrypto
6	0.04	70	excid.c	src.backend.utils.error
6	0.02	1342	miscinit.c	src.backend.utils.init

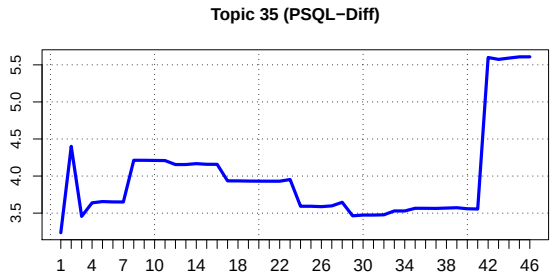
"utf utf", {*len utf getarg encod function iso assert euc mic cstring src*}

Best matching topic evolution (Topic distance = 0.714, Evolution distance = 0.0371):



V	θ	Size	File	Package
34	1.00	93	ascii_and_mic.c	src.backend.utils.mb.conversion_procs.ascii_and_mic
34	1.00	1050	cyrillic_and_mic.c	src.backend.utils.mb.conversion_procs.cyrillic_and_mic
34	1.00	171	euc_cn_and_mic.c	src.backend.utils.mb.conversion_procs.euc_cn_and_mic
34	1.00	175	euc_kr_and_mic.c	src.backend.utils.mb.conversion_procs.euc_kr_and_mic
21	1.00	1012	cyrillic_and_mic.c	src.backend.utils.mb.conversion_procs.cyrillic_and_mic
21	1.00	134	euc_cn_and_mic.c	src.backend.utils.mb.conversion_procs.euc_cn_and_mic
21	1.00	134	euc_kr_and_mic.c	src.backend.utils.mb.conversion_procs.euc_kr_and_mic
21	1.00	405	euc_tw_and_big5.c	src.backend.utils.mb.conversion_procs.euc_tw_and_big5
6	0.39	197	ascii.c	src.backend.utils.adt
6	0.15	414	encode.c	contrib.pgcrypto
6	0.04	70	excid.c	src.backend.utils.error
6	0.02	1342	miscinit.c	src.backend.utils.init

"utf utf", {*len utf getarg encod function iso assert euc mic cstring src*}



V	θ	Size	File	Package
46	0.70	3328	tqual.c	src.backend.utils.time
46	0.47	1936	pruneheap.c	src.backend.access.heap
46	0.43	1404	rewriteheap.c	src.backend.access.heap
46	0.41	11730	heapam.c	src.backend.access.heap
6	0.82	1229	tqual.c	src.backend.utils.time
6	0.38	6358	heapam.c	src.backend.access.heap
6	0.29	5452	vacuum.c	src.backend.commands
6	0.23	514	database.c	src.backend.utils.misc
1	0.82	1224	tqual.c	src.backend.utils.time
1	0.36	3455	heapam.c	src.backend.access.heap
1	0.23	6246	vacuum.c	src.backend.commands
1	0.18	508	hio.c	src.backend.access.heap

"heap tupl", {*tupl heap buffer transact updat header data snapshot infomask xmax invalid*}

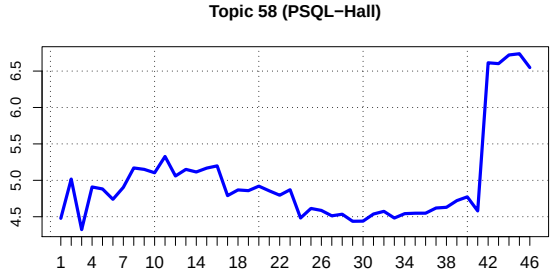
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
58	0.5368	0.0038
92	1.7919	0.0641
91	1.8616	0.1276

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
58	0.5368	0.0038
69	2.8858	0.0286
9	3.0703	0.0332

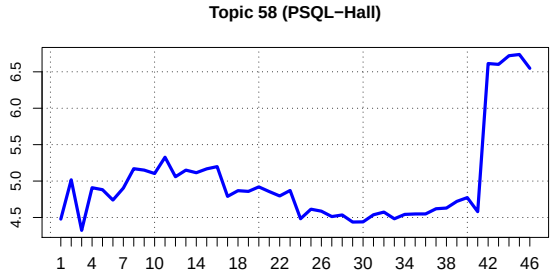
Best matching topic (Topic distance = 0.537, Evolution distance = 0.0038):



V	θ	Size	File	Package
45	0.88	11730	heapam.c	src.backend.access.heap
45	0.77	3328	tqual.c	src.backend.utils.time
45	0.53	1936	pruneheap.c	src.backend.access.heap
45	0.50	898	hio.c	src.backend.access.heap
22	0.97	6380	heapam.c	src.backend.access.heap
22	0.80	2380	tqual.c	src.backend.utils.time
22	0.44	735	hio.c	src.backend.access.heap
22	0.35	677	xlogutils.c	src.backend.access.transam
3	0.85	3460	heapam.c	src.backend.access.heap
3	0.77	1224	tqual.c	src.backend.utils.time
3	0.55	508	hio.c	src.backend.access.heap
3	0.26	6255	vacuum.c	src.backend.commands

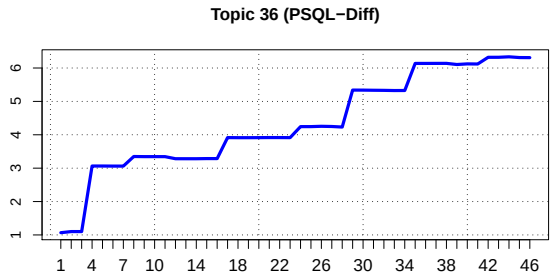
"heap tupl", {*tupl heap buffer page relat lock scan updat item data infomask*}

Best matching topic evolution (Topic distance = 0.537, Evolution distance = 0.0038):



V	θ	Size	File	Package
45	0.88	11730	heapam.c	src.backend.access.heap
45	0.77	3328	tqual.c	src.backend.utils.time
45	0.53	1936	pruneheap.c	src.backend.access.heap
45	0.50	898	hio.c	src.backend.access.heap
22	0.97	6380	heapam.c	src.backend.access.heap
22	0.80	2380	tqual.c	src.backend.utils.time
22	0.44	735	hio.c	src.backend.access.heap
22	0.35	677	xlogutils.c	src.backend.access.transam
3	0.85	3460	heapam.c	src.backend.access.heap
3	0.77	1224	tqual.c	src.backend.utils.time
3	0.55	508	hio.c	src.backend.access.heap
3	0.26	6255	vacuum.c	src.backend.commands

"heap tupl", {*tupl heap buffer page relat lock scan updat item data infomask*}



V	θ	Size	File	Package
44	0.57	2456	gistxlog.c	src.backend.access.gist
44	0.52	2392	nbtxlog.c	src.backend.access.nbtree
44	0.43	1776	logtape.c	src.backend.utils.sort
44	0.41	2008	ginxlog.c	src.backend.access.gin
21	0.71	2553	nbtxlog.c	src.backend.access.nbtree
21	0.45	1606	logtape.c	src.backend.utils.sort
21	0.42	105	rmgr.c	src.backend.access.transam
21	0.27	1012	smgr.c	src.backend.storage.smgr
1	0.46	1601	logtape.c	src.backend.utils.sort
1	0.28	682	smgr.c	src.backend.storage.smgr
1	0.12	59	smgrtype.c	src.backend.storage.smgr
1	0.10	820	mm.c	src.backend.storage.smgr

"crit section", {*buffer xlog page block rdata xlrec node lsn record rec reln*}

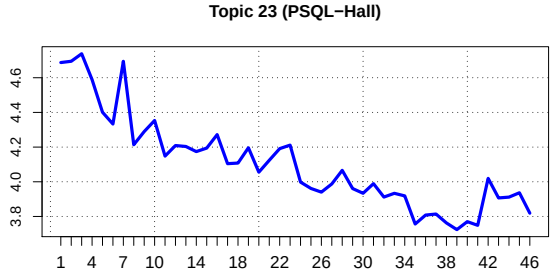
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
23	1.2048	0.3356
64	1.4279	0.0307
91	1.4536	0.0912

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
64	1.4279	0.0307
94	2.6688	0.0388
19	3.2690	0.0405

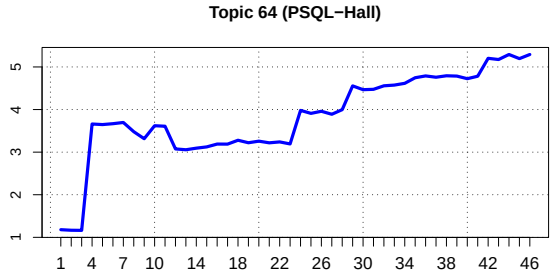
Best matching topic (Topic distance = 1.205, Evolution distance = 0.3356):



V	θ	Size	File	Package
3	0.99	1601	logtape.c	src.backend.utils.sort
3	0.86	59	smgrtype.c	src.backend.storage.smgr
3	0.86	682	smgr.c	src.backend.storage.smgr
3	0.72	1562	md.c	src.backend.storage.smgr
20	0.99	1606	logtape.c	src.backend.utils.sort
20	0.89	1012	smgr.c	src.backend.storage.smgr
20	0.85	1414	md.c	src.backend.storage.smgr
20	0.55	80	smgrtype.c	src.backend.storage.smgr
39	0.96	1776	logtape.c	src.backend.utils.sort
39	0.86	2483	md.c	src.backend.storage.smgr
39	0.82	2177	smgr.c	src.backend.storage.smgr
39	0.53	66	smgrtype.c	src.backend.storage.smgr

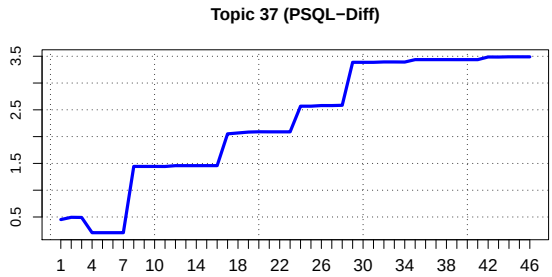
"block number", {*block relat smgr reln indirect number file rnode pend logic buffer*}

Best matching topic evolution (Topic distance = 1.428, Evolution distance = 0.0307):



V	θ	Size	File	Package
46	0.97	17710	xlog.c	src.backend.access.transam
46	0.74	2149	pg_resetxlog.c	src.bin.pg_resetxlog
46	0.60	563	pg_controldata.c	src.bin.pg_controldata
46	0.32	1122	pg_standby.c	contrib.pg_standby
7	1.00	8045	xlog.c	src.backend.access.transam
7	0.89	2218	pg_resetxlog.c	contrib.pg_resetxlog
7	0.88	294	pg_controldata.c	contrib.pg_controldata
7	0.34	90	rmgr.c	src.backend.access.transam
3	1.00	4170	xlog.c	src.backend.access.transam
3	0.14	962	transam.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"xlog rec", {*xlog file record control log rec ptr write check read point*}



V	θ	Size	File	Package
44	0.81	4720	multixact.c	src.backend.access.transam
44	0.71	2562	slru.c	src.backend.access.transam
44	0.64	1222	clog.c	src.backend.access.transam
44	0.62	732	subtrans.c	src.backend.access.transam
20	0.82	2070	slru.c	src.backend.access.transam
20	0.75	842	clog.c	src.backend.access.transam
20	0.12	442	varsup.c	src.backend.access.transam
20	0.09	1266	sinval.c	src.backend.storage.ipc
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.04	825	type.c	src.interfaces.ecpg.preproc
4	NA	NA	NA	NA
4	NA	NA	NA	NA

"multi xact", {*page multi xact clog share lock offset ctl xid transact buffer*}

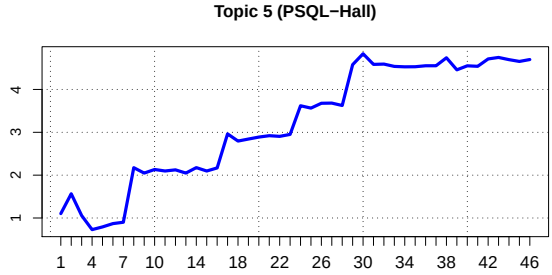
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
5	0.1405	0.0160
92	1.5022	0.4596
64	1.5369	0.2267

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
5	0.1405	0.0160
68	2.9230	0.0735
24	2.7800	0.0775

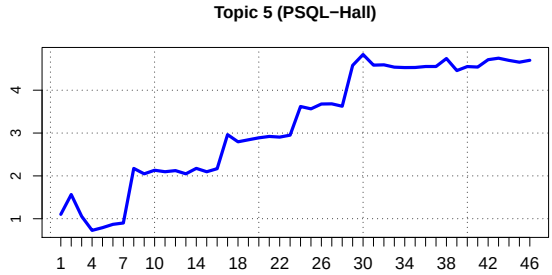
Best matching topic (Topic distance = 0.140, Evolution distance = 0.0160):



V	θ	Size	File	Package
30	1.00	898	clog.c	src.backend.access.transam
30	0.99	4643	multixact.c	src.backend.access.transam
30	0.86	1866	slru.c	src.backend.access.transam
30	0.76	726	subtrans.c	src.backend.access.transam
17	1.00	842	clog.c	src.backend.access.transam
17	0.92	2068	slru.c	src.backend.access.transam
17	0.59	426	varsup.c	src.backend.access.transam
17	0.21	105	rmgr.c	src.backend.access.transam
4	0.44	285	varsup.c	src.backend.access.transam
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.08	888	sinval.c	src.backend.storage.ipc
4	0.04	487	variable.c	src.interfaces.ecpg.preproc

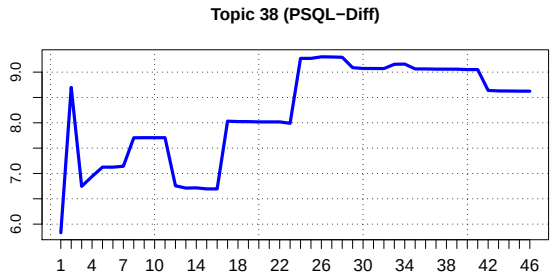
"shmem variabl", {*page multi xact xid transact share offset clog ctl lock member*}

Best matching topic evolution (Topic distance = 0.140, Evolution distance = 0.0160):



V	θ	Size	File	Package
30	1.00	898	clog.c	src.backend.access.transam
30	0.99	4643	multixact.c	src.backend.access.transam
30	0.86	1866	slru.c	src.backend.access.transam
30	0.76	726	subtrans.c	src.backend.access.transam
17	1.00	842	clog.c	src.backend.access.transam
17	0.92	2068	slru.c	src.backend.access.transam
17	0.59	426	varsup.c	src.backend.access.transam
17	0.21	105	rmgr.c	src.backend.access.transam
4	0.44	285	varsup.c	src.backend.access.transam
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.08	888	sinval.c	src.backend.storage.ipc
4	0.04	487	variable.c	src.interfaces.ecpg.preproc

"shmem variabl", {*page multi xact xid transact share offset clog ctl lock member*}



V	θ	Size	File	Package
26	0.75	674	ip.c	src.backend.libpq
26	0.71	154	pipe.c	src.port
26	0.70	255	getaddrinfo.c	src.port
26	0.59	1445	auth.c	src.backend.libpq
46	0.75	694	ip.c	src.backend.libpq
46	0.71	154	pipe.c	src.port
46	0.51	36	noblock.c	src.port
46	0.50	2242	pqcomm.c	src.backend.libpq
1	0.77	1211	auth.c	src.backend.libpq
1	0.72	233	pqpacket.c	src.backend.libpq
1	0.54	2007	hba.c	src.backend.libpq
1	0.54	961	pqcomm.c	src.backend.libpq

"port port", {*port sock ssl addr socket inet error statu auth password host*}

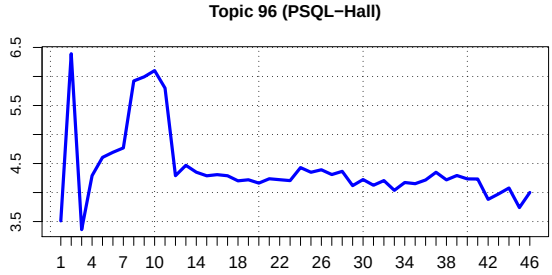
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
96	0.8987	0.0784
6	0.9649	0.0325
83	1.7865	0.2211

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
27	5.3237	0.0110
47	2.0240	0.0113
82	3.2022	0.0143

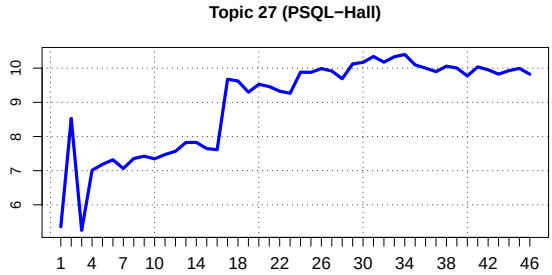
Best matching topic (Topic distance = 0.899, Evolution distance = 0.0784):



V	θ	Size	File	Package
2	0.83	2007	hba.c	src.backend.libpq
2	0.80	1211	auth.c	src.backend.libpq
2	0.71	413	crypt.c	src.backend.libpq
2	0.64	678	fe-auth.c	src.interfaces.libpq
40	0.99	3196	hba.c	src.backend.libpq
40	0.96	277	crypt.c	src.backend.libpq
40	0.76	1594	auth.c	src.backend.libpq
40	0.54	939	fe-auth.c	src.interfaces.libpq
3	0.84	2007	hba.c	src.backend.libpq
3	0.80	1211	auth.c	src.backend.libpq
3	0.71	413	crypt.c	src.backend.libpq
3	0.53	147	password.c	src.backend.libpq

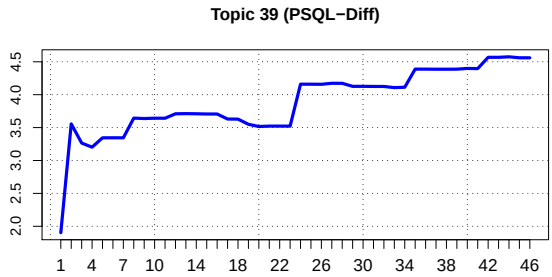
"auth req", {*line port file user ident password auth statu token error crypt*}

Best matching topic evolution (Topic distance = 5.324, Evolution distance = 0.0110):



V	θ	Size	File	Package
34	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
34	0.25	1324	regc_lex.c	src.backend.regex
34	0.24	79	tstshm.c	src.backend.port.qnx4
34	0.22	181	tstsem.c	src.backend.port.qnx4
17	0.30	91	scansup.c	src.backend.parser
17	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
17	0.26	1324	regc_lex.c	src.backend.regex
17	0.23	148	regerror.c	src.backend.regex
3	0.27	91	scansup.c	src.backend.parser
3	0.23	81	tstshm.c	src.backend.port.qnx4
3	0.23	141	hashfn.c	src.backend.utils.hash
3	0.22	86	bool.c	src.backend.utils.adt

"break case", {*case break switch default type error els set tag function code*}



V	θ	Size	File	Package
44	0.87	20963	preproc.c	src.interfaces.ecpg.preproc
44	0.37	60	value.c	src.backend.nodes
44	0.26	324	output.c	src.interfaces.ecpg.preproc
44	0.22	506	descriptor.c	src.interfaces.ecpg.preproc
13	0.88	15511	preproc.c	src.interfaces.ecpg.preproc
13	0.21	24	wstrncmp.c	src.backend.utils.mb
13	0.19	3968	outfuncs.c	src.backend.nodes
13	0.19	16	step1.c	contrib.spi.preprocessor
1	0.20	3419	outfuncs.c	src.backend.nodes
1	0.19	287	stringinfo.c	src.backend.lib
1	0.19	16	step1.c	contrib.spi.preprocessor
1	0.19	27	wstrncmp.c	src.backend.utils.mb

"str str", {*str line make cat type empti error connect index opt statem*}

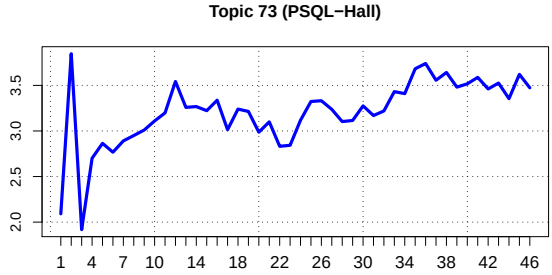
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
73	0.0832	0.0154
1	1.8008	0.0196
56	1.8371	1.3536

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
47	1.8547	0.0085
85	2.9166	0.0116
4	3.2122	0.0133

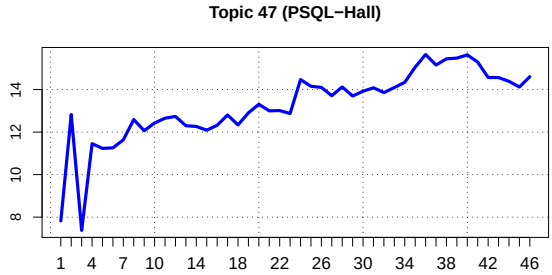
Best matching topic (Topic distance = 0.083, Evolution distance = 0.0154):



V	θ	Size	File	Package
2	0.99	12341	preproc.c	src.interfaces.ecpg.preproc
2	0.25	204	name.c	src.backend.utils.adt
2	0.25	16	step1.c	contrib.spi.preprocessor
2	0.19	499	pqexpbuffer.c	src.interfaces.libpq
27	1.00	18275	preproc.c	src.interfaces.ecpg.preproc
27	0.40	60	value.c	src.backend.nodes
27	0.19	16	step1.c	contrib.spi.preprocessor
27	0.19	541	pqexpbuffer.c	src.interfaces.libpq
3	0.25	16	step1.c	contrib.spi.preprocessor
3	0.19	204	name.c	src.backend.utils.adt
3	0.16	287	stringinfo.c	src.backend.lib
3	0.15	27	wstrncmp.c	src.backend.utils.mb

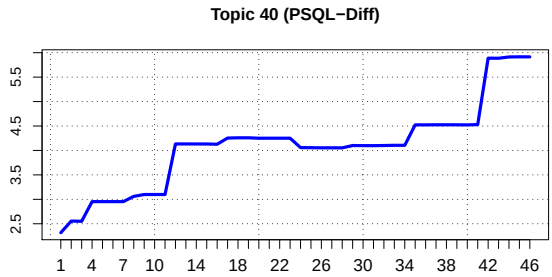
"str str", {*str line make type cat defin sql error empti index variabl*}

Best matching topic evolution (Topic distance = 1.855, Evolution distance = 0.0085):



V	θ	Size	File	Package
36	1.00	77	c_keywords.c	src.interfaces.ecpg.preproc
36	1.00	77	strtoul.c	src.port
36	0.98	86	pgstrcasecmp.c	src.port
36	0.89	408	stringutils.c	src.bin.psql
20	0.99	77	c_keywords.c	src.interfaces.ecpg.preproc
20	0.97	79	strtoul.c	src.port
20	0.91	140	strtol.c	src.port
20	0.90	598	keywords.c	src.interfaces.ecpg.preproc
3	1.00	30	strcasecmp.c	src.backend.port
3	0.99	79	strtoul.c	src.backend.port
3	0.89	140	strtol.c	src.backend.port
3	0.81	836	pg_lzcompress.c	src.backend.utils.adt

"action item action", {*keyword els max letter word charact base action defin match sql*}



V	θ	Size	File	Package
45	0.53	5133	utility.c	src.backend.tcop
45	0.50	1239	keywords.c	src.backend.parser
45	0.46	9	nodes.c	src.backend.nodes
45	0.44	569	alter.c	src.backend.commands
16	0.60	1858	utility.c	src.backend.tcop
16	0.32	410	define.c	src.backend.commands
16	0.29	558	operatorcmds.c	src.backend.commands
16	0.27	392	aggregatecmds.c	src.backend.commands
1	0.64	1994	utility.c	src.backend.tcop
1	0.38	1330	define.c	src.backend.commands
1	0.38	1075	sequence.c	src.backend.commands
1	0.21	1671	comment.c	src.backend.commands

"strcasecmp defel defnam", {*stmt creat alter def tag drop comment defel keyword relnam option*}

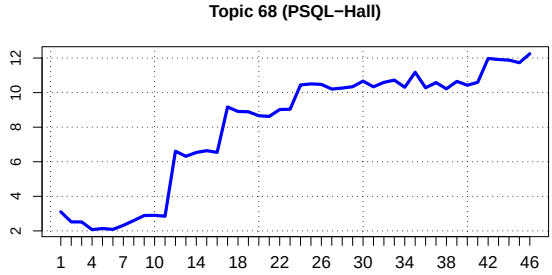
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
68	1.9557	0.1523
44	1.9631	0.0468
32	1.9865	0.0740

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
100	2.1122	0.0118
4	3.4379	0.0228
85	3.1151	0.0260

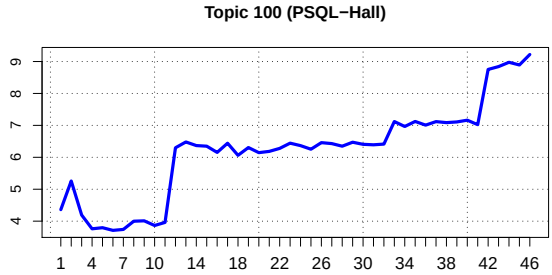
Best matching topic (Topic distance = 1.956, Evolution distance = 0.1523):



V	θ	Size	File	Package
46	0.93	627	conversioncmds.c	src.backend.commands
46	0.87	3552	comment.c	src.backend.commands
46	0.86	117	lockcmds.c	src.backend.commands
46	0.82	941	schemacmds.c	src.backend.commands
17	0.93	108	lockcmds.c	src.backend.commands
17	0.87	360	conversioncmds.c	src.backend.commands
17	0.84	2162	comment.c	src.backend.commands
17	0.77	595	schemacmds.c	src.backend.commands
4	0.73	1634	comment.c	src.backend.commands
4	0.31	904	remove.c	src.backend.commands
4	0.21	393	rewriteRemove.c	src.backend.rewrite
4	0.21	1143	dbcommands.c	src.backend.commands

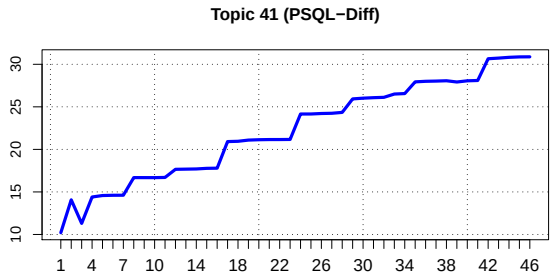
"errcod errcod", {*oid object heap relat errcod stmt tupl error comment owner rel*}

Best matching topic evolution (Topic distance = 2.112, Evolution distance = 0.0118):



V	θ	Size	File	Package
46	0.76	612	pseudotypes.c	src.backend.utils.adt
46	0.73	731	aggregatecmds.c	src.backend.commands
46	0.66	522	define.c	src.backend.commands
46	0.64	4090	functioncmds.c	src.backend.commands
14	0.84	392	aggregatecmds.c	src.backend.commands
14	0.83	323	pseudotypes.c	src.backend.utils.adt
14	0.67	410	define.c	src.backend.commands
14	0.66	2123	functioncmds.c	src.backend.commands
6	0.85	1468	define.c	src.backend.commands
6	0.52	602	pg_aggregate.c	src.backend.catalog
6	0.51	958	pg_proc.c	src.backend.catalog
6	0.44	351	proclang.c	src.backend.commands

"agg agg", {*type proc function agg error oid tup aggreg languag errcod def*}



V	θ	Size	File	Package
46	0.53	63	unsetenv.c	src.port
46	0.49	12	regfree.c	src.backend.regex
46	0.30	714	sinval.c	src.backend.storage.ipc
46	0.22	178	system.c	src.backend.port.darwin
23	0.49	12	regfree.c	src.backend.regex
23	0.28	43	hashfn.c	src.backend.utils.hash
23	0.27	200	dllinit.c	src.utils
23	0.23	135	pmsignal.c	src.backend.storage.ipc
1	0.26	50	misc.c	src.backend.utils.adt
1	0.23	95	excid.c	src.backend.utils.error
1	0.19	141	hashfn.c	src.backend.utils.hash
1	0.16	836	pg_lzcompress.c	src.backend.utils.adt

"don bother", {*note check set don code pass call make caller assum time*}

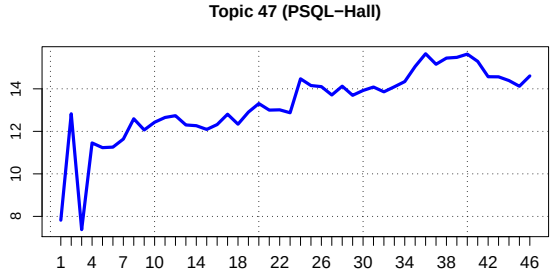
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
47	1.8065	0.0536
83	1.9270	0.0812
65	2.0453	0.0360

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
52	2.3300	0.0097
19	3.8364	0.0134
94	2.2386	0.0138

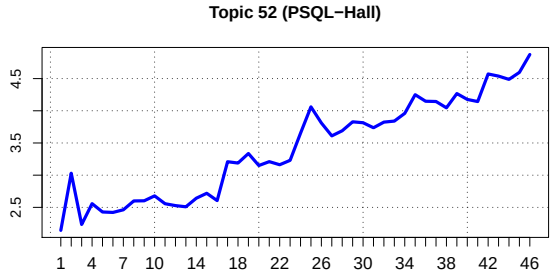
Best matching topic (Topic distance = 1.807, Evolution distance = 0.0536):



V	θ	Size	File	Package
36	1.00	77	c_keywords.c	src.interfaces.ecpg.preproc
36	1.00	77	strtoul.c	src.port
36	0.98	86	pgstrcasecmp.c	src.port
36	0.89	408	stringutils.c	src.bin.psql
20	0.99	77	c_keywords.c	src.interfaces.ecpg.preproc
20	0.97	79	strtoul.c	src.port
20	0.91	140	strtol.c	src.port
20	0.90	598	keywords.c	src.interfaces.ecpg.preproc
3	1.00	30	strcasecmp.c	src.backend.port
3	0.99	79	strtoul.c	src.backend.port
3	0.89	140	strtol.c	src.backend.port
3	0.81	836	pg_lzcompress.c	src.backend.utils.adt

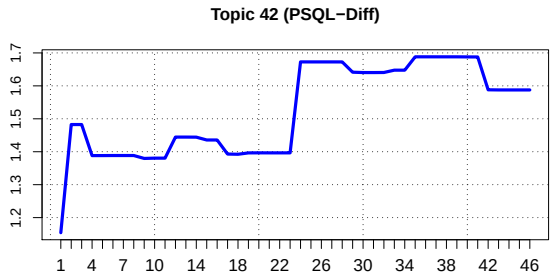
"action item action", {*keyword els max letter word charact base action defin match sql*}

Best matching topic evolution (Topic distance = 2.330, Evolution distance = 0.0097):



V	θ	Size	File	Package
46	0.90	7973	copy.c	src.backend.commands
46	0.53	935	pqformat.c	src.backend.libpq
46	0.53	1173	fastpath.c	src.backend.tcop
46	0.41	1067	printtup.c	src.backend.access.common
19	0.84	4640	copy.c	src.backend.commands
19	0.53	932	pqformat.c	src.backend.libpq
19	0.52	1127	fastpath.c	src.backend.tcop
19	0.41	1102	printtup.c	src.backend.access.common
1	0.49	1075	sequence.c	src.backend.commands
1	0.45	402	pqformat.c	src.backend.libpq
1	0.38	2601	copy.c	src.backend.commands
1	0.29	625	printtup.c	src.backend.access.common

"sendint buf", {*copi buf cstate info errcod data error seq binari line send*}



V	θ	Size	File	Package
35	0.76	17272	gram.c	src.backend.parser
35	0.27	60	value.c	src.backend.nodes
35	0.19	622	keywords.c	src.interfaces.ecpg.preproc
35	0.18	648	keywords.c	src.backend.parser
3	0.79	10877	gram.c	src.backend.parser
3	0.30	430	keywords.c	src.interfaces.ecpg.preproc
3	0.28	430	keywords.c	src.backend.parser
3	0.04	1075	sequence.c	src.backend.commands
1	0.80	10869	gram.c	src.backend.parser
1	0.28	430	keywords.c	src.backend.parser
1	0.04	1075	sequence.c	src.backend.commands
1	NA	NA	NA	NA

"line gram", {*node gram line make list str ival stmt type expr nil*}

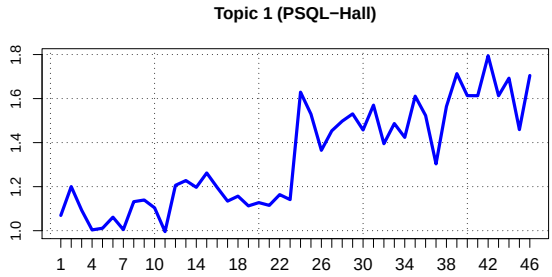
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
1	0.1629	0.0259
73	1.1739	0.0184
3	1.3794	0.0572

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
82	2.2678	0.0109
8	2.6111	0.0127
47	1.8700	0.0137

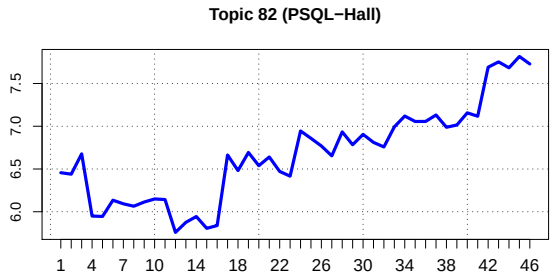
Best matching topic (Topic distance = 0.163, Evolution distance = 0.0259):



V	θ	Size	File	Package
42	1.00	18138	gram.c	src.backend.parser
42	0.47	60	value.c	src.backend.nodes
42	0.15	564	makefuncs.c	src.backend.nodes
42	0.10	522	define.c	src.backend.commands
15	1.00	14051	gram.c	src.backend.parser
15	0.11	410	define.c	src.backend.commands
15	0.08	381	makefuncs.c	src.backend.nodes
15	0.05	2124	sequence.c	src.backend.commands
11	0.92	11934	gram.c	src.backend.parser
11	0.05	2022	sequence.c	src.backend.commands
11	0.03	1489	define.c	src.backend.commands
11	NA	NA	NA	NA

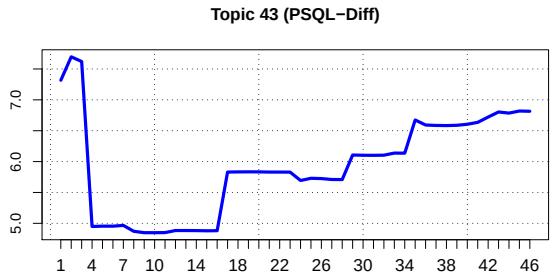
"line gram", {*node gram line make list stmt str defin ival type expr*}

Best matching topic evolution (Topic distance = 2.268, Evolution distance = 0.0109):



V	θ	Size	File	Package
45	1.00	177	joininfo.c	src.backend.optimizer.util
45	0.99	2246	joinrels.c	src.backend.optimizer.path
45	0.87	3122	initsplan.c	src.backend.optimizer.plan
45	0.87	1533	relnode.c	src.backend.optimizer.util
3	1.00	123	joininfo.c	src.backend.optimizer.util
3	1.00	796	joinrels.c	src.backend.optimizer.path
3	0.92	927	relnode.c	src.backend.optimizer.util
3	0.67	733	allpaths.c	src.backend.optimizer.path
12	0.99	993	joinrels.c	src.backend.optimizer.path
12	0.95	1588	relnode.c	src.backend.optimizer.util
12	0.92	133	joininfo.c	src.backend.optimizer.util
12	0.68	2103	initsplan.c	src.backend.optimizer.plan

"outer join", {*rel join list root info relid joinrel claus outer opt relat*}



V	θ	Size	File	Package
2	0.85	2180	portalmem.c	src.backend.utils.mmgr
2	0.80	54	enbl.c	src.backend.utils.init
2	0.76	275	fstack.c	src.backend.lib
2	0.73	1150	mcxt.c	src.backend.utils.mmgr
18	0.55	1371	mcxt.c	src.backend.utils.mmgr
18	0.36	1148	portalmem.c	src.backend.utils.mmgr
18	0.28	47	assert.c	src.backend.utils.error
18	0.21	107	memory.c	src.interfaces.ecpg.ecpglib
10	0.57	1112	mcxt.c	src.backend.utils.mmgr
10	0.53	543	portalmem.c	src.backend.utils.mmgr
10	0.20	769	be-fsstubs.c	src.backend.libpq
10	0.19	2428	aset.c	src.backend.utils.mmgr

"memori context", {*context memori portal alloc pointer stack cxt oldcontext valid heap oldcxt*}

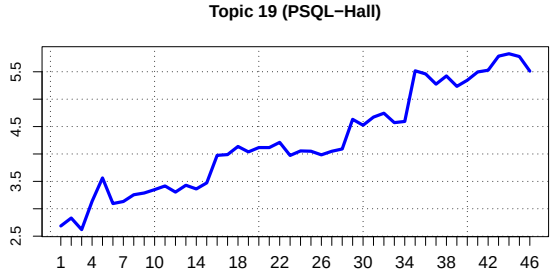
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
19	0.5263	0.0786
50	2.1438	0.0332
75	2.1844	0.0478

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
33	3.3951	0.0075
82	3.3199	0.0180
88	3.2758	0.0207

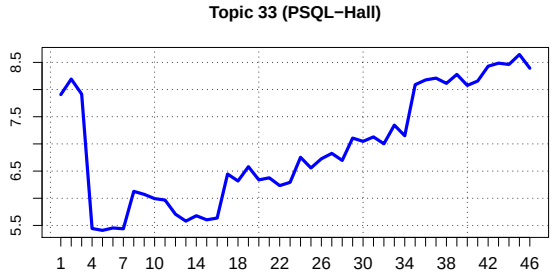
Best matching topic (Topic distance = 0.526, Evolution distance = 0.0786):



V	θ	Size	File	Package
44	0.85	1497	mcxt.c	src.backend.utils.mmgr
44	0.25	102	tstoreReceiver.c	src.backend.executor
44	0.23	1109	sha2.c	contrib.pgcrypto
44	0.20	5	gethostname.c	src.port
24	0.84	1462	mcxt.c	src.backend.utils.mmgr
24	0.20	103	tstoreReceiver.c	src.backend.executor
24	0.18	880	be-fsstubs.c	src.backend.libpq
24	0.14	132	dict_snowball.c	contrib.tsearch2
3	0.63	1150	mcxt.c	src.backend.utils.mmgr
3	0.28	2180	portalmem.c	src.backend.utils.mmgr
3	0.19	696	be-fsstubs.c	src.backend.libpq
3	0.19	16	eloglvl.c	src.pl.plperl

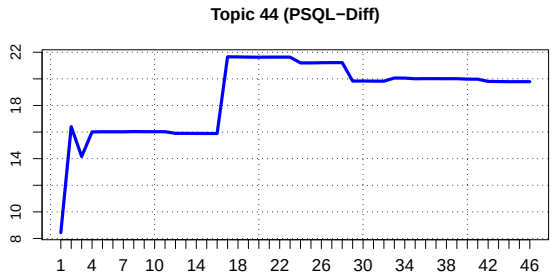
"memori context", {*context memori alloc allocset pointer node assert creat valid current reset*}

Best matching topic evolution (Topic distance = 3.395, Evolution distance = 0.0075):



V	θ	Size	File	Package
45	1.00	659	inet_net_ntop.c	src.backend.utils.adt
45	1.00	648	inet_net_pton.c	src.backend.utils.adt
45	0.88	103	inet_aton.c	src.port
45	0.88	694	ip.c	src.backend.libpq
26	1.00	648	inet_net_pton.c	src.backend.utils.adt
26	1.00	655	inet_net_ntop.c	src.backend.utils.adt
26	0.89	107	inet_aton.c	src.port
26	0.78	674	ip.c	src.backend.libpq
5	1.00	447	inet_net_pton.c	src.backend.utils.adt
5	1.00	305	inet_net_ntop.c	src.backend.utils.adt
5	0.88	105	inet_aton.c	src.backend.port
5	0.80	1007	network.c	src.backend.utils.adt

"inet inet", {*bit inet dst addr src mask size network famili tmp els*}



V	θ	Size	File	Package
17	0.86	7	strdup.c	src.port
17	0.80	265	dropdb.c	src.bin.scripts
17	0.79	256	dropuser.c	src.bin.scripts
17	0.79	451	clusterdb.c	src.bin.scripts
31	0.79	272	dropdb.c	src.bin.scripts
31	0.79	456	clusterdb.c	src.bin.scripts
31	0.78	260	dropuser.c	src.bin.scripts
31	0.75	6	strdup.c	src.port
1	0.64	14	tstrint.c	src.backend.port.qnx4
1	0.63	138	vartest.c	contrib.bit
1	0.59	119	getopt.c	src.utils
1	0.57	7	strdup.c	src.utils

"fprintf stderr", {*printf fprintf stderr argv exit prognam char command argc option password*}

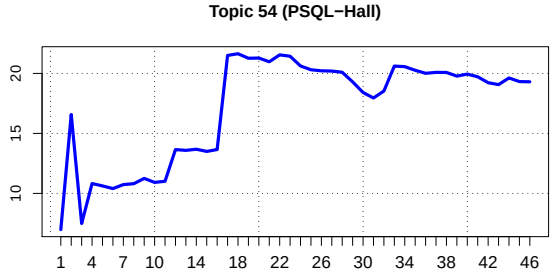
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
54	0.4716	0.0348
65	1.6722	0.0901
83	1.9998	0.2726

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
27	3.8014	0.0104
16	2.5671	0.0130
95	3.5508	0.0207

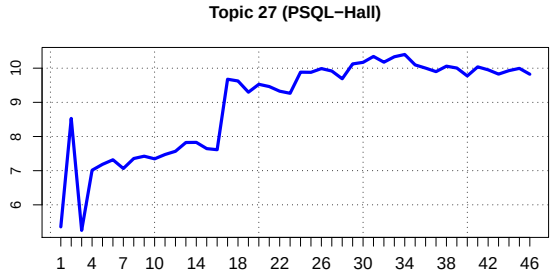
Best matching topic (Topic distance = 0.472, Evolution distance = 0.0348):



V	θ	Size	File	Package
18	0.96	139	getopt_long.c	src.port
18	0.95	451	clusterdb.c	src.bin.scripts
18	0.94	523	vacuumdb.c	src.bin.scripts
18	0.94	265	dropdb.c	src.bin.scripts
46	0.95	442	clusterdb.c	src.bin.scripts
46	0.94	520	vacuumdb.c	src.bin.scripts
46	0.93	259	dropdb.c	src.bin.scripts
46	0.91	141	getopt_long.c	src.port
1	0.84	1204	pgbench.c	contrib.pgbench
1	0.70	44	alt.c	src.backend.utils.mb
1	0.62	119	getopt.c	src.utils
1	0.57	14	tstrint.c	src.backend.port.qnx4

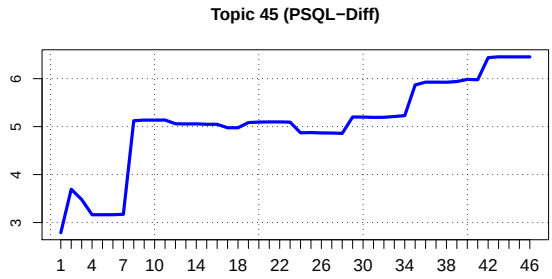
"fprintf stderr", {*printf fprintf stderr exit prognam sql databas conn argv dbname command*}

Best matching topic evolution (Topic distance = 3.801, Evolution distance = 0.0104):



V	θ	Size	File	Package
34	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
34	0.25	1324	regc_lex.c	src.backend.regex
34	0.24	79	tstshm.c	src.backend.port.qnx4
34	0.22	181	tstsem.c	src.backend.port.qnx4
17	0.30	91	scansup.c	src.backend.parser
17	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
17	0.26	1324	regc_lex.c	src.backend.regex
17	0.23	148	regerror.c	src.backend.regex
3	0.27	91	scansup.c	src.backend.parser
3	0.23	81	tstshm.c	src.backend.port.qnx4
3	0.23	141	hashfn.c	src.backend.utils.hash
3	0.22	86	bool.c	src.backend.utils.adt

"break case", {*case break switch default type error els set tag function code*}



V	θ	Size	File	Package
43	0.64	4273	freespace.c	src.backend.storage.freespace
43	0.45	2621	aset.c	src.backend.utils.mmgr
43	0.29	897	pg_freespacemap.c	contrib.pg_freespacemap
43	0.16	296	variables.c	src.bin.psql
22	0.65	4345	freespace.c	src.backend.storage.freespace
22	0.47	2528	aset.c	src.backend.utils.mmgr
22	0.18	453	pgstattuple.c	contrib.pgstattuple
22	0.17	663	freelist.c	src.backend.storage.buffer
1	0.53	1163	aset.c	src.backend.utils.mmgr
1	0.26	2050	freefuncs.c	src.backend.nodes
1	0.21	834	chunk.c	src.backend.utils.adt
1	0.19	632	freelist.c	src.backend.storage.buffer

"free space", {*free chunk space alloc page block rel num map fsm size*}

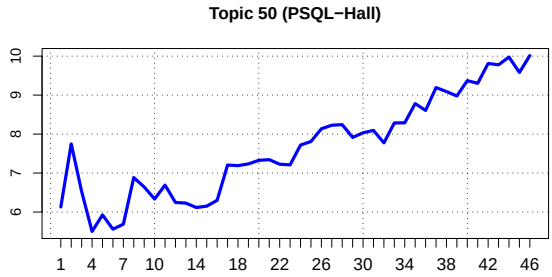
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
50	1.0643	0.0267
67	1.1911	0.1116
23	2.0375	0.1245

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
85	3.2145	0.0141
4	3.1294	0.0193
87	3.8842	0.0207

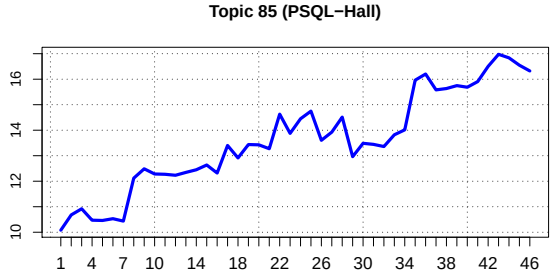
Best matching topic (Topic distance = 1.064, Evolution distance = 0.0267):



V	θ	Size	File	Package
46	0.87	2621	aset.c	src.backend.utils.mmgr
46	0.55	55	api.c	src.backend.snowball.libstemmer
46	0.52	454	utilities.c	src.backend.snowball.libstemmer
46	0.48	33	ialloc.c	src.timezone
24	0.88	2571	aset.c	src.backend.utils.mmgr
24	0.70	66	api.c	contrib.tsearch2.snowball
24	0.52	423	utilities.c	contrib.tsearch2.snowball
24	0.41	34	ialloc.c	src.timezone
4	0.89	2428	aset.c	src.backend.utils.mmgr
4	0.41	27	memory.c	src.interfaces.ecpg.lib
4	0.36	61	Varray.c	src.backend.tioga
4	0.34	957	bufpage.c	src.backend.storage.page

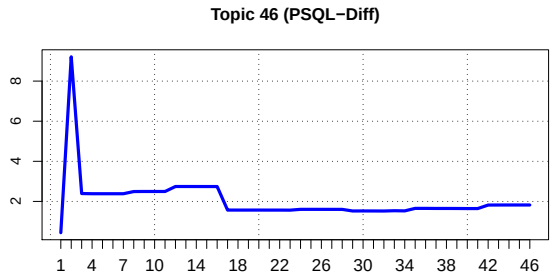
"size size", {*size alloc chunk block set space free pointer memori max header*}

Best matching topic evolution (Topic distance = 3.214, Evolution distance = 0.0141):



V	θ	Size	File	Package
43	1.00	575	like.c	src.backend.utils.adt
43	1.00	127	quote.c	src.backend.utils.adt
43	0.96	297	like_match.c	src.backend.utils.adt
43	0.85	27	version.c	src.backend.utils.adt
19	1.00	721	like.c	src.backend.utils.adt
19	1.00	279	like_match.c	src.backend.utils.adt
19	1.00	170	quote.c	src.backend.utils.adt
19	0.92	1071	oracle_compat.c	src.backend.utils.adt
1	0.89	1043	varlena.c	src.backend.utils.adt
1	0.88	249	like.c	src.backend.utils.adt
1	0.79	663	oracle_compat.c	src.backend.utils.adt
1	0.78	1038	varchar.c	src.backend.utils.adt

"free copi", {*text len result varhdrsz arg vardata varsiz bytea getarg str datum*}



V	θ	Size	File	Package
2	0.86	2404	results.c	src.interfaces.odbc
2	0.81	791	bind.c	src.interfaces.odbc
2	0.75	6693	info.c	src.interfaces.odbc
2	0.69	1474	execute.c	src.interfaces.odbc
38	0.25	235	prepare.c	src.interfaces.ecpg.ecpglib
38	0.22	277	ecpg_keywords.c	src.interfaces.ecpg.preproc
38	0.17	1669	pl_funcs.c	src.pl.plpgsql.src
38	0.12	3049	execute.c	src.interfaces.ecpg.ecpglib
1	0.18	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.10	4814	pl_exec.c	src.pl.plpgsql.src
1	0.08	50	hpux.c	src.backend.port.dynloader
1	0.03	4010	trigger.c	src.backend.commands

"sql success", {*stmt sql error statem type func col row tupl result bind*}

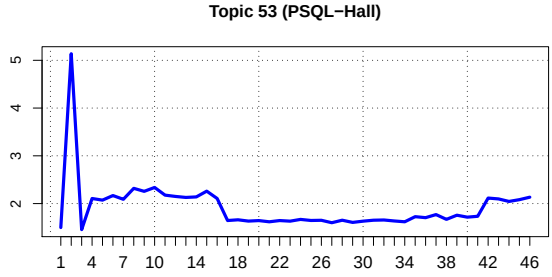
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
53	1.7839	0.2137
49	1.8659	0.4621
47	1.8967	0.7993

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
53	1.7839	0.2137
77	3.2127	0.4351
49	1.8659	0.4621

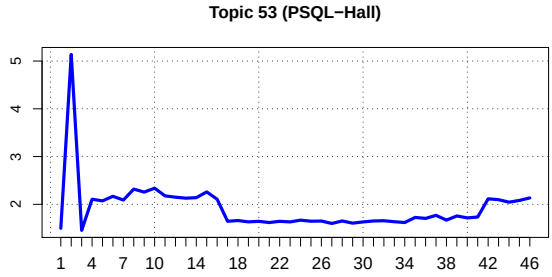
Best matching topic (Topic distance = 1.784, Evolution distance = 0.2137):



V	θ	Size	File	Package
2	0.95	4814	pl_exec.c	src.pl.plpgsql.src
2	0.55	1474	execute.c	src.interfaces.odbc
2	0.53	1019	pl_funcs.c	src.pl.plpgsql.src
2	0.43	2404	results.c	src.interfaces.odbc
40	0.97	9833	pl_exec.c	src.pl.plpgsql.src
40	0.54	1669	pl_funcs.c	src.pl.plpgsql.src
40	0.08	1905	prepare.c	src.backend.commands
40	0.06	2233	functions.c	src.backend.executor
3	0.95	4814	pl_exec.c	src.pl.plpgsql.src
3	0.50	1019	pl_funcs.c	src.pl.plpgsql.src
3	NA	NA	NA	NA
3	NA	NA	NA	NA

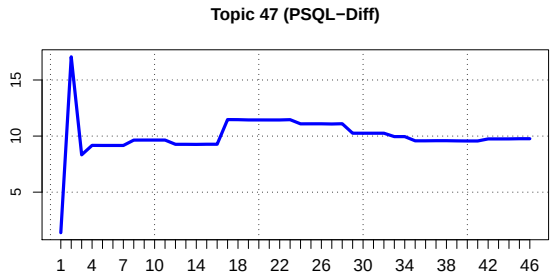
"sql stmt stmt", {*stmt sql estat exec expr datum var plpgsql rec error row*}

Best matching topic evolution (Topic distance = 1.784, Evolution distance = 0.2137):



V	θ	Size	File	Package
2	0.95	4814	pl_exec.c	src.pl.plpgsql.src
2	0.55	1474	execute.c	src.interfaces.odbc
2	0.53	1019	pl_funcs.c	src.pl.plpgsql.src
2	0.43	2404	results.c	src.interfaces.odbc
40	0.97	9833	pl_exec.c	src.pl.plpgsql.src
40	0.54	1669	pl_funcs.c	src.pl.plpgsql.src
40	0.08	1905	prepare.c	src.backend.commands
40	0.06	2233	functions.c	src.backend.executor
3	0.95	4814	pl_exec.c	src.pl.plpgsql.src
3	0.50	1019	pl_funcs.c	src.pl.plpgsql.src
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"sql stmt stmt", {*stmt sql estat exec expr datum var plpgsql rec error row*}



V	θ	Size	File	Package
2	0.77	173	pgconnection.cc	src.interfaces.libpq++
2	0.74	156	testlibpq2.c	src.test.examples
2	0.65	3901	fe-connect.c	src.interfaces.libpq
2	0.65	238	testlibpq4.c	src.test.examples
43	0.73	2752	fe-protocol2.c	src.interfaces.libpq
43	0.70	191	testlibpq.c	src.test.examples
43	0.67	3891	fe-protocol3.c	src.interfaces.libpq
43	0.66	235	testlibpq4.c	src.test.examples
1	0.36	1204	pgbench.c	contrib.pgbench
1	0.32	299	vacuumlo.c	contrib.vacuumlo
1	0.31	415	mpgsql.c	contrib.mSQL-interface
1	0.15	418	be-pqexec.c	src.backend.libpq

"conn conn", {*conn connect error messag statu buffer pgre msg pgconn queri option*}

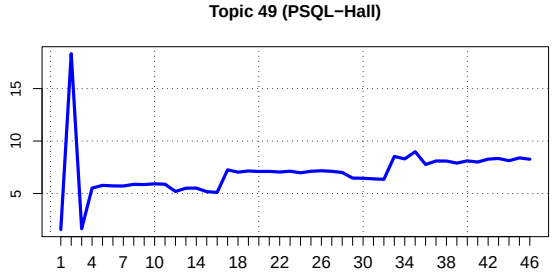
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
49	0.2008	0.1089
97	1.7125	0.0871
6	1.7370	0.1320

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
77	3.1353	0.0385
90	1.8501	0.0394
95	3.0423	0.0457

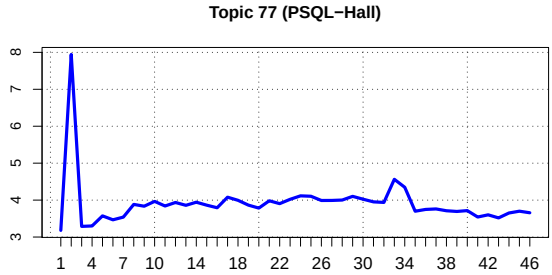
Best matching topic (Topic distance = 0.201, Evolution distance = 0.1089):



V	θ	Size	File	Package
2	0.96	4159	fe-exec.c	src.interfaces.libpq
2	0.83	173	pgconnection.cc	src.interfaces.libpq++
2	0.76	3901	fe-connect.c	src.interfaces.libpq
2	0.73	51	testlibpq0.cc	src.interfaces.libpq++.examples
22	0.98	3037	fe-protocol3.c	src.interfaces.libpq
22	0.94	4313	fe-exec.c	src.interfaces.libpq
22	0.93	2705	fe-protocol2.c	src.interfaces.libpq
22	0.76	1966	fe-misc.c	src.interfaces.libpq
1	0.49	415	mpgsql.c	contrib.mSQL-interface
1	0.44	233	pqpacket.c	src.backend.libpq
1	0.26	418	be-pqexec.c	src.backend.libpq
1	0.16	299	vacuumlo.c	contrib.vacuumlo

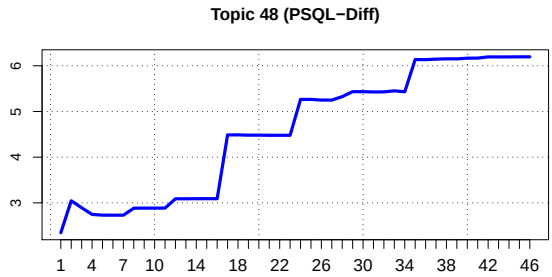
"pgconn conn", {*conn result messag error statu buffer data connect pgconn pgresult pgre*}

Best matching topic evolution (Topic distance = 3.135, Evolution distance = 0.0385):



V	θ	Size	File	Package
2	0.99	4911	geo_ops.c	src.backend.utils.adt
2	0.86	37	earthdistance.c	contrib.earthdistance
2	0.79	184	rtproc.c	src.backend.access.rtree
2	0.44	91	PGlseg.java	src.interfaces.jdbc.org.postgresql.geometric
13	1.00	41	earthdistance.c	contrib.earthdistance
13	1.00	5696	geo_ops.c	src.backend.utils.adt
13	0.85	253	rtproc.c	src.backend.access.rtree
13	0.29	86	geo_selfuncs.c	src.backend.utils.adt
1	0.99	4911	geo_ops.c	src.backend.utils.adt
1	0.84	37	earthdistance.c	contrib.earthdistance
1	0.79	184	rtproc.c	src.backend.access.rtree
1	0.21	86	funcs.c	src.tutorial

"low high", {*box point result getarg datum line path function high low arg*}



V	θ	Size	File	Package
46	0.77	1970	numeric.c	src.interfaces.ecpg.pgtypeslib
46	0.72	9096	numeric.c	src.backend.utils.adt
46	0.32	80	nodeFuncs.c	src.backend.nodes
46	0.31	3710	float.c	src.backend.utils.adt
18	0.80	1885	numeric.c	src.interfaces.ecpg.pgtypeslib
18	0.74	8093	numeric.c	src.backend.utils.adt
18	0.32	80	nodeFuncs.c	src.backend.nodes
18	0.17	853	descriptor.c	src.interfaces.ecpg.ecpglib
1	0.81	5305	numeric.c	src.backend.utils.adt
1	0.24	125	nodeFuncs.c	src.backend.nodes
1	0.14	227	var.c	src.backend.optimizer.util
1	0.11	140	strtol.c	src.backend.port

"var var", {*var numer digit arg result variabl num sum sign weight max*}

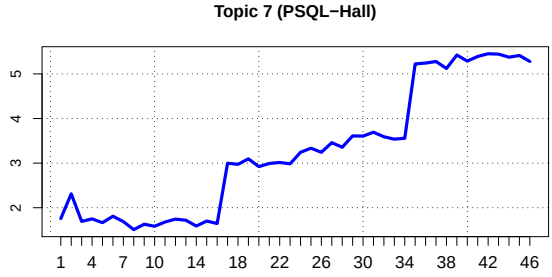
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
7	0.2790	0.0647
16	2.0472	0.0894
47	2.1067	0.0859

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
94	2.4638	0.0177
14	3.0112	0.0191
52	2.6660	0.0198

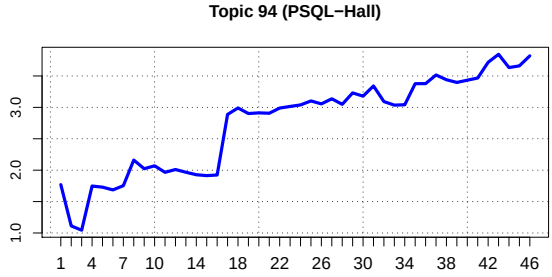
Best matching topic (Topic distance = 0.279, Evolution distance = 0.0647):



V	θ	Size	File	Package
42	0.95	1970	numeric.c	src.interfaces.ecpg.pgtypeslib
42	0.84	9096	numeric.c	src.backend.utils.adt
42	0.47	349	pgtypeslib-num_test2.c	src.interfaces.ecpg.test.expected
42	0.46	3075	imath.c	contrib.pgcrypto
19	0.96	1885	numeric.c	src.interfaces.ecpg.pgtypeslib
19	0.86	8093	numeric.c	src.backend.utils.adt
19	0.29	1013	informix.c	src.interfaces.ecpg.compatlib
19	0.18	266	variables.c	src.bin.psql
8	0.86	6349	numeric.c	src.backend.utils.adt
8	0.12	140	strtol.c	src.backend.port
8	0.12	925	cash.c	src.backend.utils.adt
8	0.10	130	arrayutils.c	src.backend.utils.adt

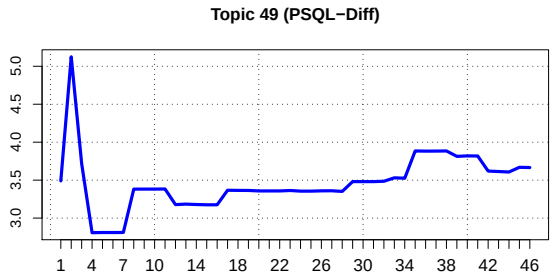
"free var", {*var numer result digit num weight sign free scale tmp buf*}

Best matching topic evolution (Topic distance = 2.464, Evolution distance = 0.0177):



V	θ	Size	File	Package
43	0.97	14124	guc.c	src.backend.utils.misc
43	0.76	191	help_config.c	src.backend.utils.misc
43	0.57	1605	variable.c	src.backend.commands
43	0.28	296	variables.c	src.bin.psql
23	1.00	8547	guc.c	src.backend.utils.misc
23	0.73	179	help_config.c	src.backend.utils.misc
23	0.49	1152	variable.c	src.backend.commands
23	0.31	3758	guc-file.c	src.backend.utils.misc
3	0.59	1752	variable.c	src.backend.commands
3	0.23	96	variable.c	src.backend.utils.mb
3	0.09	534	geqo_params.c	src.backend.optimizer.geqo
3	0.07	661	trace.c	src.backend.utils.misc

"guc guc", {*guc conf pgc config set sourc gettext noop val variabl log*}



V	θ	Size	File	Package
2	0.72	1853	fmgr.c	src.backend.utils.fmgr
2	0.17	144	testlibpq5.cc	src.interfaces.libpq++.examples
2	0.17	12	excabort.c	src.backend.utils.error
2	0.16	83	testlibpq2.cc	src.interfaces.libpq++.examples
10	0.33	436	blf.c	contrib.pgcrypto
10	0.17	12	excabort.c	src.backend.utils.error
10	0.13	758	crypt-blowfish.c	contrib.pgcrypto
10	0.10	164	pg_backup_null.c	src.bin.pg_dump
4	0.17	12	excabort.c	src.backend.utils.error
4	0.10	164	pg_backup_null.c	src.bin.pg_dump
4	0.08	231	nbtstrat.c	src.backend.access.nbtree
4	0.07	328	geqo_pool.c	src.backend.optimizer.geqo

"data data", {*data valu fmgr uint user store break pointer argum finfo endif*}

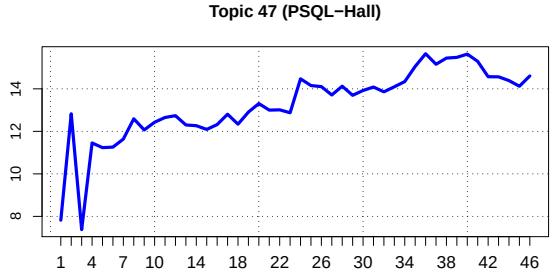
Top 3 matching topics in PSQL-Hall:

Topic	Dist.	EvoDist.
47	2.5231	0.0386
16	2.6227	0.0665
83	2.7113	0.3070

Top 3 matching topic evolutions in PSQL-Hall:

Topic	Dist.	EvoDist.
37	2.9707	0.0137
12	3.0668	0.0143
34	3.6455	0.0147

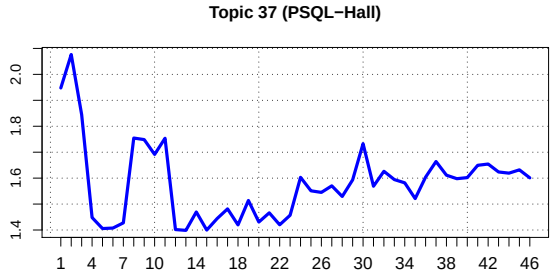
Best matching topic (Topic distance = 2.523, Evolution distance = 0.0386):



V	θ	Size	File	Package
36	1.00	77	c_keywords.c	src.interfaces.ecpg.preproc
36	1.00	77	strtoul.c	src.port
36	0.98	86	pgstrcasecmp.c	src.port
36	0.89	408	stringutils.c	src.bin.psql
20	0.99	77	c_keywords.c	src.interfaces.ecpg.preproc
20	0.97	79	strtoul.c	src.port
20	0.91	140	strtol.c	src.port
20	0.90	598	keywords.c	src.interfaces.ecpg.preproc
3	1.00	30	strcasecmp.c	src.backend.port
3	0.99	79	strtoul.c	src.backend.port
3	0.89	140	strtol.c	src.backend.port
3	0.81	836	pg_lzcompress.c	src.backend.utils.adt

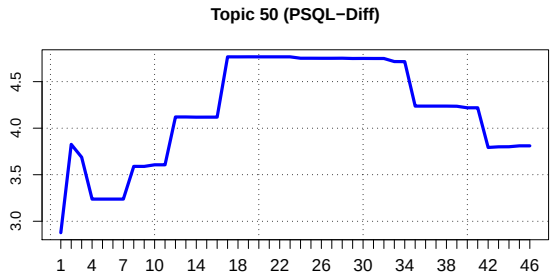
"action item action", {*keyword els max letter word charact base action defin match sql*}

Best matching topic evolution (Topic distance = 2.971, Evolution distance = 0.0137):



V	θ	Size	File	Package
2	0.99	4010	trigger.c	src.backend.commands
2	0.20	241	noup.c	contrib.noupdate
2	0.17	219	moddatetime.c	contrib.spi
2	0.16	766	rewriteDefine.c	src.backend.rewrite
34	1.00	6798	trigger.c	src.backend.commands
34	0.10	610	socket.c	src.backend.port.win32
34	0.09	319	rewriteRemove.c	src.backend.rewrite
34	0.07	1458	rewriteDefine.c	src.backend.rewrite
13	0.99	4652	trigger.c	src.backend.commands
13	0.09	312	rewriteRemove.c	src.backend.rewrite
13	0.06	8287	tablecmds.c	src.backend.commands
13	0.06	790	txtidx.c	contrib.tsearch

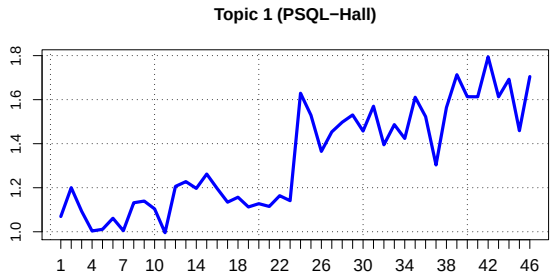
"trigger trigger", {*trigger event tupl data relat heap state rel constraint set context*}



V	θ	Size	File	Package
19	0.60	746	spell.c	contrib.tsearch2.ispell
19	0.57	6392	geo_ops.c	src.backend.utils.adt
19	0.56	39	earthdistance.c	contrib.earthdistance
19	0.50	249	rtproc.c	src.backend.access.rtree
41	0.57	6656	geo_ops.c	src.backend.utils.adt
41	0.55	2002	spell.c	contrib.tsearch2.ispell
41	0.50	44	earthdistance.c	contrib.earthdistance
41	0.33	268	big5.c	src.backend.utils.mb.conversion_procs.euc_tw_and_big5
1	0.70	4911	geo_ops.c	src.backend.utils.adt
1	0.67	184	rtproc.c	src.backend.access.rtree
1	0.62	37	earthdistance.c	contrib.earthdistance
1	0.32	268	big5.c	src.backend.utils.mb

"low high", {*box point low conf high path line str pfree level spell*}

2.2 Hall



V	θ	Size	File	Package
42	1.00	18138	gram.c	src.backend.parser
42	0.47	60	value.c	src.backend.nodes
42	0.15	564	makefuncs.c	src.backend.nodes
42	0.10	522	define.c	src.backend.commands
15	1.00	14051	gram.c	src.backend.parser
15	0.11	410	define.c	src.backend.commands
15	0.08	381	makefuncs.c	src.backend.nodes
15	0.05	2124	sequence.c	src.backend.commands
11	0.92	11934	gram.c	src.backend.parser
11	0.05	2022	sequence.c	src.backend.commands
11	0.03	1489	define.c	src.backend.commands
11	NA	NA	NA	NA

"line gram", {*node gram line make list stmt str defin ival type expr*}

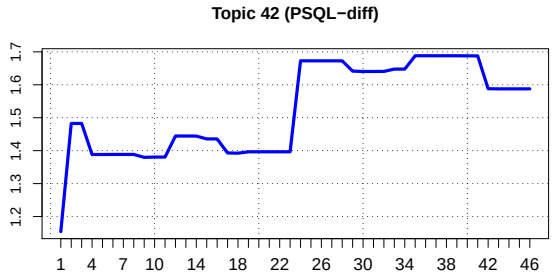
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
42	0.1034	0.0259
39	1.2180	0.0196
5	1.2790	0.0800

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
22	2.7134	0.0118
1	1.9903	0.0131
31	3.3563	0.0187

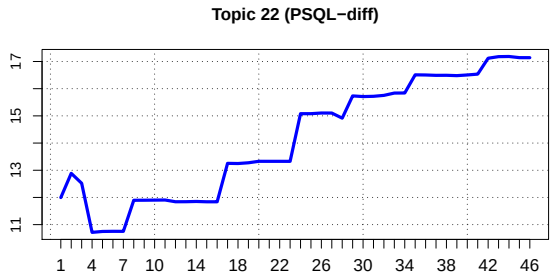
Best matching topic (Topic distance = 0.103, Evolution distance = 0.0259):



V	θ	Size	File	Package
35	0.76	17272	gram.c	src.backend.parser
35	0.27	60	value.c	src.backend.nodes
35	0.19	622	keywords.c	src.interfaces.ecpg.preproc
35	0.18	648	keywords.c	src.backend.parser
3	0.79	10877	gram.c	src.backend.parser
3	0.30	430	keywords.c	src.interfaces.ecpg.preproc
3	0.28	430	keywords.c	src.backend.parser
3	0.04	1075	sequence.c	src.backend.commands
1	0.80	10869	gram.c	src.backend.parser
1	0.28	430	keywords.c	src.backend.parser
1	0.04	1075	sequence.c	src.backend.commands
1	NA	NA	NA	NA

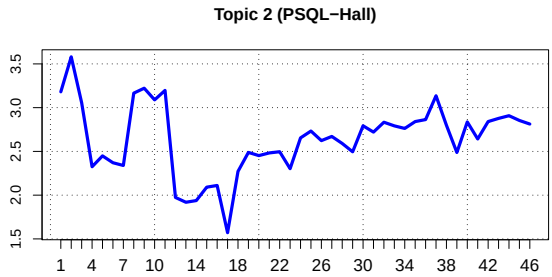
"line gram", {*node gram line make list str ival stmt type expr nil*}

Best matching topic evolution (Topic distance = 2.713, Evolution distance = 0.0118):



V	θ	Size	File	Package
44	0.71	77	strtoul.c	src.port
44	0.60	158	strtol.c	src.port
44	0.54	454	utilities.c	src.backend.snowball.libstemmer
44	0.46	33	ialloc.c	src.timezone
20	0.70	79	strtoul.c	src.port
20	0.67	140	strtol.c	src.port
20	0.64	423	utilities.c	contrib.tsearch2.snowball
20	0.62	66	api.c	contrib.tsearch2.snowball
4	0.74	140	strtol.c	src.backend.port
4	0.70	79	strtoul.c	src.backend.port
4	0.60	65	bit.c	src.backend.lib
4	0.36	61	Varray.c	src.backend.tioga

"size size", {*size bit max els min for length offset number byte set*}



V	θ	Size	File	Package
2	0.92	3427	outfuncs.c	src.backend.nodes
2	0.53	49	nodes.c	src.backend.nodes
2	0.53	2051	freefuncs.c	src.backend.nodes
2	0.32	1556	tgRecipe.c	src.backend.tioga
27	1.00	9	nodes.c	src.backend.nodes
27	0.96	4193	outfuncs.c	src.backend.nodes
27	0.18	461	stringinfo.c	src.backend.lib
27	0.13	215	regis.c	contrib.tsearch2.ispell
17	0.96	3911	outfuncs.c	src.backend.nodes
17	0.21	407	stringinfo.c	src.backend.lib
17	0.09	327	pgxml_dom.c	contrib.xml
17	0.05	255	getaddrinfo.c	src.port

"node node", {*node str info write field append type obj path break expr*}

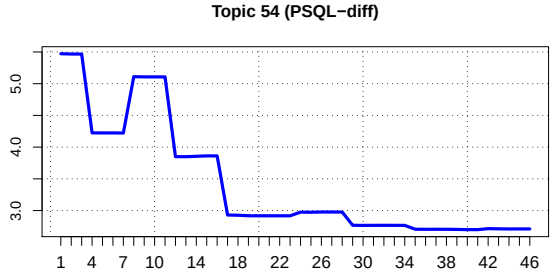
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
54	1.1787	0.1588
59	1.4823	0.0409
10	1.5866	0.2788

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
94	3.6341	0.0249
8	3.1927	0.0290
67	3.6284	0.0298

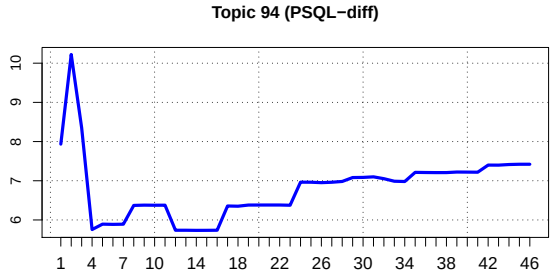
Best matching topic (Topic distance = 1.179, Evolution distance = 0.1588):



V	θ	Size	File	Package
1	0.89	3308	copyfuncs.c	src.backend.nodes
1	0.60	2050	freefuncs.c	src.backend.nodes
1	0.54	1191	equalfuncs.c	src.backend.nodes
1	0.53	49	nodes.c	src.backend.nodes
19	0.53	6436	copyfuncs.c	src.backend.nodes
19	0.35	3911	outfuncs.c	src.backend.nodes
19	0.23	9	nodes.c	src.backend.nodes
19	0.20	4222	equalfuncs.c	src.backend.nodes
41	0.49	7442	copyfuncs.c	src.backend.nodes
41	0.30	5010	outfuncs.c	src.backend.nodes
41	0.23	9	nodes.c	src.backend.nodes
41	0.17	4895	equalfuncs.c	src.backend.nodes

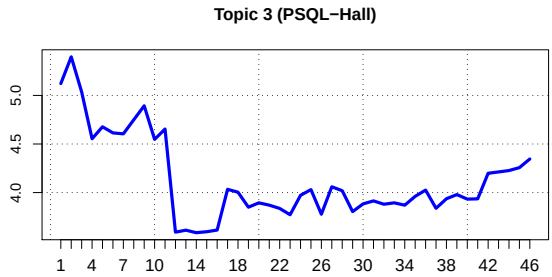
"node node", {*node newnod copi path plan join retval expr scan stmt claus*}

Best matching topic evolution (Topic distance = 3.634, Evolution distance = 0.0249):



V	θ	Size	File	Package
2	0.71	660	int8.c	src.backend.utils.adt
2	0.54	434	odbc.c	contrib.odbc
2	0.44	1904	float.c	src.backend.utils.adt
2	0.27	219	mac.c	src.backend.utils.adt
25	0.24	34	ialloc.c	src.timezone
25	0.21	29	scheck.c	src.timezone
25	0.20	107	inet_aton.c	src.port
25	0.18	1612	int8.c	src.backend.utils.adt
14	0.36	983	int8.c	src.backend.utils.adt
14	0.20	103	inet_aton.c	src.port
14	0.20	2411	float.c	src.backend.utils.adt
14	0.16	189	complex.c	src.tutorial

"result result", {*result pointer val valid palloc check tmp float rang double defin*}



V	θ	Size	File	Package
2	1.00	1662	prepqual.c	src.backend.optimizer.prep
2	0.72	417	prepkeyset.c	src.backend.optimizer.prep
2	0.71	3576	clauses.c	src.backend.optimizer.util
2	0.47	266	parser.c	src.backend.parser
24	1.00	997	prepqual.c	src.backend.optimizer.prep
24	0.76	7063	clauses.c	src.backend.optimizer.util
24	0.51	410	tidpath.c	src.backend.optimizer.path
24	0.42	437	makefuncs.c	src.backend.nodes
14	0.98	1665	prepqual.c	src.backend.optimizer.prep
14	0.69	4900	clauses.c	src.backend.optimizer.util
14	0.40	4373	execQual.c	src.backend.executor
14	0.40	503	tidpath.c	src.backend.optimizer.path

"eval expr", {*expr node list arg claus express result eval make function func*}

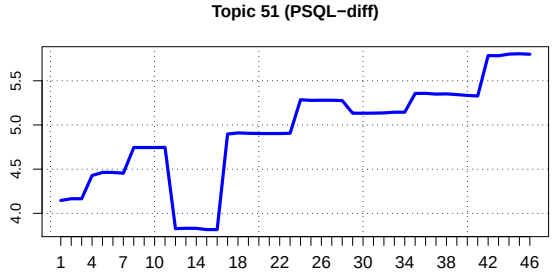
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
51	0.2982	0.0592
16	1.0641	0.0193
54	1.4211	0.0904

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
12	2.5192	0.0074
81	4.1132	0.0081
67	2.9940	0.0151

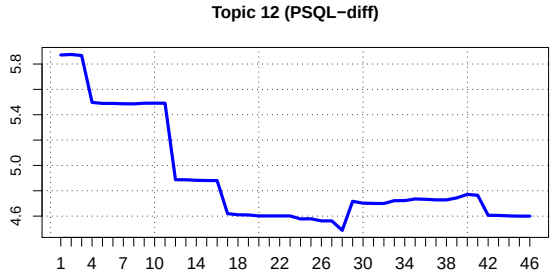
Best matching topic (Topic distance = 0.298, Evolution distance = 0.0592):



V	θ	Size	File	Package
45	0.59	5190	parse_expr.c	src.backend.parser
45	0.53	9508	clauses.c	src.backend.optimizer.util
45	0.31	10530	execQual.c	src.backend.executor
45	0.27	564	makefuncs.c	src.backend.nodes
18	0.57	2929	parse_expr.c	src.backend.parser
18	0.48	6297	clauses.c	src.backend.optimizer.util
18	0.33	6510	execQual.c	src.backend.executor
18	0.32	418	makefuncs.c	src.backend.nodes
16	0.57	2120	parse_expr.c	src.backend.parser
16	0.45	4900	clauses.c	src.backend.optimizer.util
16	0.29	4373	execQual.c	src.backend.executor
16	0.28	946	parse_node.c	src.backend.parser

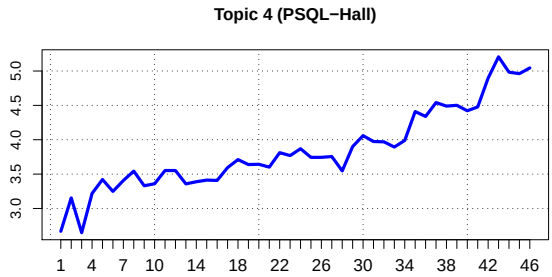
"expr expr", {*expr node arg context express result list type arrai coerc make*}

Best matching topic evolution (Topic distance = 2.519, Evolution distance = 0.0074):



V	θ	Size	File	Package
2	0.81	2257	costsize.c	src.backend.optimizer.path
2	0.73	1161	pathnode.c	src.backend.optimizer.util
2	0.54	2848	xfunc.c	src.backend.optimizer.path._deadcode
2	0.44	603	orindxpath.c	src.backend.optimizer.path
34	0.78	5034	costsize.c	src.backend.optimizer.path
34	0.65	2766	pathnode.c	src.backend.optimizer.util
34	0.30	1802	joinpath.c	src.backend.optimizer.path
34	0.30	391	orindxpath.c	src.backend.optimizer.path
28	0.78	4432	costsize.c	src.backend.optimizer.path
28	0.64	2400	pathnode.c	src.backend.optimizer.util
28	0.34	583	planmain.c	src.backend.optimizer.plan
28	0.34	1017	orindxpath.c	src.backend.optimizer.path

"total cost", {*path cost tupl rel select total root row startup estim claus*}



V	θ	Size	File	Package
43	0.91	6119	tuplesort.c	src.backend.utils.sort
43	0.80	1830	tuplestore.c	src.backend.utils.sort
43	0.33	399	tsvector_parser.c	src.backend.utils.adt
43	0.29	638	nodeSort.c	src.backend.executor
25	0.93	4242	tuplesort.c	src.backend.utils.sort
25	0.80	1401	tuplestore.c	src.backend.utils.sort
25	0.28	103	tstoreReceiver.c	src.backend.executor
25	0.26	1341	nbtsort.c	src.backend.access.nbtree
3	0.97	3700	tuplesort.c	src.backend.utils.sort
3	0.34	50	misc.c	src.backend.utils.adt
3	0.20	915	nbtsort.c	src.backend.access.nbtree
3	0.19	713	nodeSort.c	src.backend.executor

"state state", {*state tupl sort datum index heap tup tuplesort run memori space*}

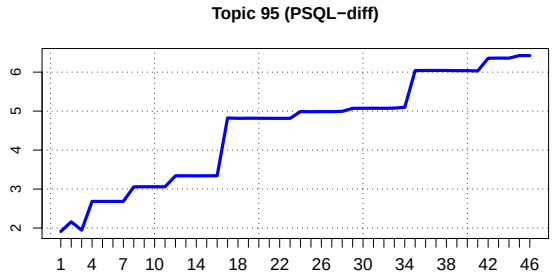
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
95	0.4403	0.0642
41	1.3928	0.0355
57	1.7266	0.0517

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
15	3.4564	0.0040
100	4.7181	0.0057
1	3.8113	0.0081

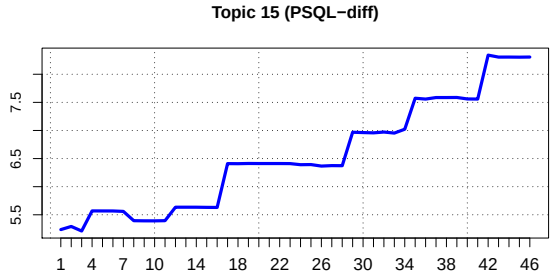
Best matching topic (Topic distance = 0.440, Evolution distance = 0.0642):



V	θ	Size	File	Package
45	0.42	6119	tuplesort.c	src.backend.utils.sort
45	0.42	1830	tuplestore.c	src.backend.utils.sort
45	0.41	613	hstore_io.c	contrib.hstore
45	0.33	399	tsvector_parser.c	src.backend.utils.adt
17	0.47	4134	tuplesort.c	src.backend.utils.sort
17	0.45	1404	tuplestore.c	src.backend.utils.sort
17	0.24	530	nodeSort.c	src.backend.executor
17	0.20	673	ltxtquery_io.c	contrib.ltree
1	0.51	3700	tuplesort.c	src.backend.utils.sort
1	0.21	713	nodeSort.c	src.backend.executor
1	0.11	915	nbtsort.c	src.backend.access.nbtree
1	0.10	2128	xact.c	src.backend.access.transam

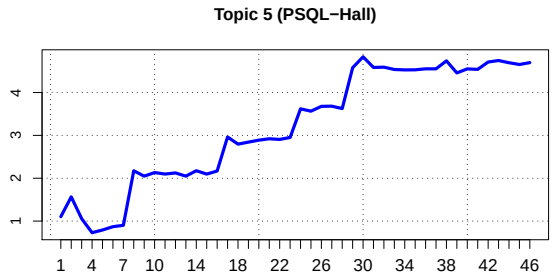
"state state", {*state sort end els tuplesort begin len memori tuplestor mem val*}

Best matching topic evolution (Topic distance = 3.456, Evolution distance = 0.0040):



V	θ	Size	File	Package
42	0.50	2996	dynahash.c	src.backend.utils.hash
42	0.43	132	hashfn.c	src.backend.utils.hash
42	0.37	543	ginbulk.c	src.backend.access.gin
42	0.35	331	buf_table.c	src.backend.storage.buffer
17	0.58	1636	dynahash.c	src.backend.utils.hash
17	0.42	43	hashfn.c	src.backend.utils.hash
17	0.38	1357	nodeHash.c	src.backend.executor
17	0.38	252	buf_table.c	src.backend.storage.buffer
3	0.60	52	hasht.c	src.backend.lib
3	0.54	1718	dynahash.c	src.backend.utils.hash
3	0.41	276	buf_table.c	src.backend.storage.buffer
3	0.36	1400	nodeHash.c	src.backend.executor

"hash tabl", {*hash entri bucket tabl hashtabl found search ctl seq uint memori*}



V	θ	Size	File	Package
30	1.00	898	clog.c	src.backend.access.transam
30	0.99	4643	multixact.c	src.backend.access.transam
30	0.86	1866	slru.c	src.backend.access.transam
30	0.76	726	subtrans.c	src.backend.access.transam
17	1.00	842	clog.c	src.backend.access.transam
17	0.92	2068	slru.c	src.backend.access.transam
17	0.59	426	varsup.c	src.backend.access.transam
17	0.21	105	rmgr.c	src.backend.access.transam
4	0.44	285	varsup.c	src.backend.access.transam
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.08	888	sinval.c	src.backend.storage.ipc
4	0.04	487	variable.c	src.interfaces.ecpg.preproc

"shmem variabl", {*page multi xact xid transact share offset clog ctl lock member*}

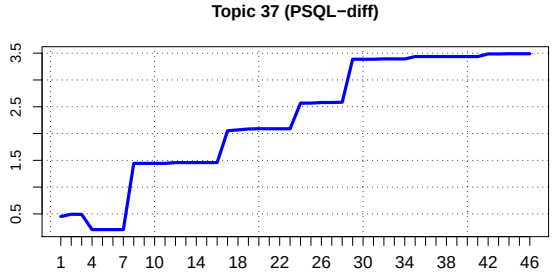
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
37	0.0969	0.0160
41	1.4147	0.0705
56	1.4504	0.2850

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
37	0.0969	0.0160
63	3.4224	0.0340
13	3.1361	0.0452

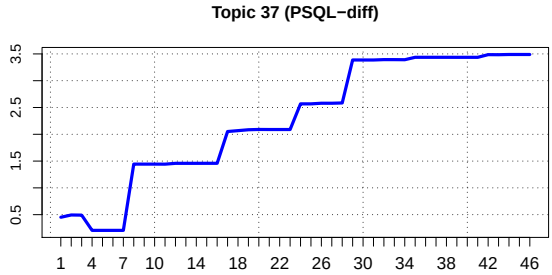
Best matching topic (Topic distance = 0.097, Evolution distance = 0.0160):



V	θ	Size	File	Package
44	0.81	4720	multixact.c	src.backend.access.transam
44	0.71	2562	slru.c	src.backend.access.transam
44	0.64	1222	clog.c	src.backend.access.transam
44	0.62	732	subtrans.c	src.backend.access.transam
20	0.82	2070	slru.c	src.backend.access.transam
20	0.75	842	clog.c	src.backend.access.transam
20	0.12	442	varsup.c	src.backend.access.transam
20	0.09	1266	sinval.c	src.backend.storage.ipc
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.04	825	type.c	src.interfaces.ecpg.preproc
4	NA	NA	NA	NA
4	NA	NA	NA	NA

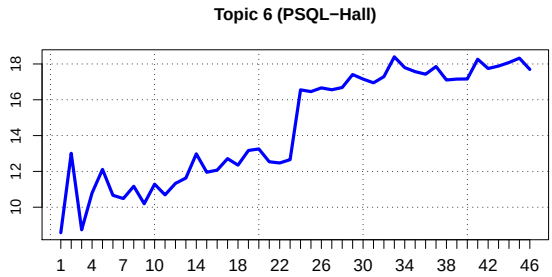
"multi xact", {*page multi xact clog share lock offset ctl xid transact buffer*}

Best matching topic evolution (Topic distance = 0.097, Evolution distance = 0.0160):



V	θ	Size	File	Package
44	0.81	4720	multixact.c	src.backend.access.transam
44	0.71	2562	slru.c	src.backend.access.transam
44	0.64	1222	clog.c	src.backend.access.transam
44	0.62	732	subtrans.c	src.backend.access.transam
20	0.82	2070	slru.c	src.backend.access.transam
20	0.75	842	clog.c	src.backend.access.transam
20	0.12	442	varsup.c	src.backend.access.transam
20	0.09	1266	sinval.c	src.backend.storage.ipc
4	0.17	333	regexp.c	src.backend.utils.adt
4	0.04	825	type.c	src.interfaces.ecpg.preproc
4	NA	NA	NA	NA
4	NA	NA	NA	NA

"multi xact", {*page multi xact clog share lock offset ctl xid transact buffer*}



V	θ	Size	File	Package
33	1.00	5	gethostname.c	src.port
33	1.00	8	strerror.c	src.port
33	0.98	2135	pqcomm.c	src.backend.libpq
33	0.95	270	win32.c	src.interfaces.libpq
20	1.00	10	strerror.c	src.port
20	0.99	1653	pqcomm.c	src.backend.libpq
20	0.94	269	win32.c	src.interfaces.libpq
20	0.92	1204	be-secure.c	src.backend.libpq
1	1.00	10	strerror.c	src.backend.port
1	1.00	12	excabort.c	src.backend.utils.error
1	0.92	961	pqcomm.c	src.backend.libpq
1	0.73	85	nextstep.c	src.backend.port.dynloader

"error messag", {*error ssl messag port socket buf endif file log sock ifdef*}

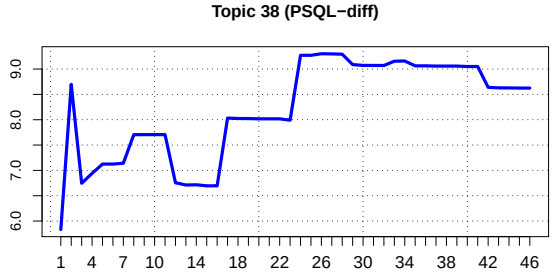
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
38	0.9454	0.0325
82	1.0148	0.1118
98	1.3676	0.0273

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
22	2.2657	0.0161
41	1.4584	0.0168
31	1.6135	0.0178

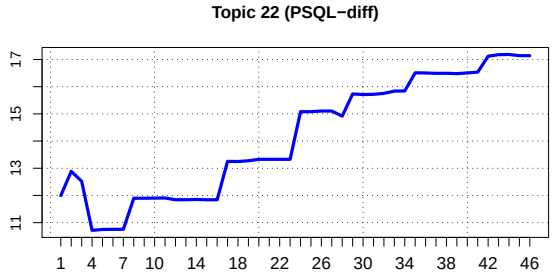
Best matching topic (Topic distance = 0.945, Evolution distance = 0.0325):



V	θ	Size	File	Package
26	0.75	674	ip.c	src.backend.libpq
26	0.71	154	pipe.c	src.port
26	0.70	255	getaddrinfo.c	src.port
26	0.59	1445	auth.c	src.backend.libpq
46	0.75	694	ip.c	src.backend.libpq
46	0.71	154	pipe.c	src.port
46	0.51	36	noblock.c	src.port
46	0.50	2242	pqcomm.c	src.backend.libpq
1	0.77	1211	auth.c	src.backend.libpq
1	0.72	233	pqpacket.c	src.backend.libpq
1	0.54	2007	hba.c	src.backend.libpq
1	0.54	961	pqcomm.c	src.backend.libpq

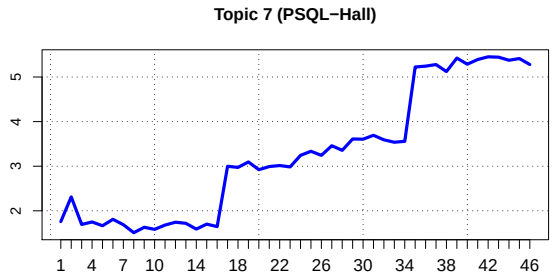
"port port", {*port sock ssl addr socket inet error statu auth password host*}

Best matching topic evolution (Topic distance = 2.266, Evolution distance = 0.0161):



V	θ	Size	File	Package
44	0.71	77	strtoul.c	src.port
44	0.60	158	strtol.c	src.port
44	0.54	454	utilities.c	src.backend.snowball.libstemmer
44	0.46	33	ialloc.c	src.timezone
20	0.70	79	strtoul.c	src.port
20	0.67	140	strtol.c	src.port
20	0.64	423	utilities.c	contrib.tsearch2.snowball
20	0.62	66	api.c	contrib.tsearch2.snowball
4	0.74	140	strtol.c	src.backend.port
4	0.70	79	strtoul.c	src.backend.port
4	0.60	65	bit.c	src.backend.lib
4	0.36	61	Varray.c	src.backend.tioga

"size size", {*size bit max els min for length offset number byte set*}



V	θ	Size	File	Package
42	0.95	1970	numeric.c	src.interfaces.ecpg.pgtypeslib
42	0.84	9096	numeric.c	src.backend.utils.adt
42	0.47	349	pgtypeslib-num_test2.c	src.interfaces.ecpg.test.expected
42	0.46	3075	imath.c	contrib.pgcrypto
19	0.96	1885	numeric.c	src.interfaces.ecpg.pgtypeslib
19	0.86	8093	numeric.c	src.backend.utils.adt
19	0.29	1013	informix.c	src.interfaces.ecpg.compatlib
19	0.18	266	variables.c	src.bin.psql
8	0.86	6349	numeric.c	src.backend.utils.adt
8	0.12	140	strtol.c	src.backend.port
8	0.12	925	cash.c	src.backend.utils.adt
8	0.10	130	arrayutils.c	src.backend.utils.adt

"free var", {*var numer result digit num weight sign free scale tmp buf*}

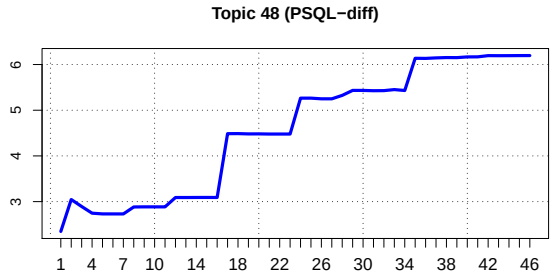
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
48	0.3661	0.0647
64	1.6197	0.2440
41	1.8161	0.0977

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
13	3.0527	0.0544
58	4.2606	0.0583
48	0.3661	0.0647

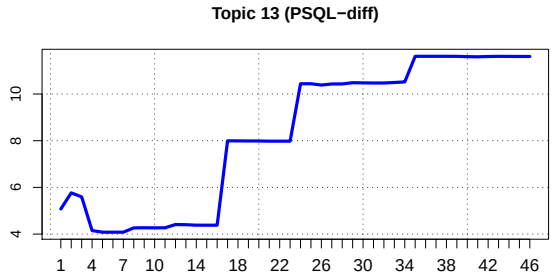
Best matching topic (Topic distance = 0.366, Evolution distance = 0.0647):



V	θ	Size	File	Package
46	0.77	1970	numeric.c	src.interfaces.ecpg.pgtypeslib
46	0.72	9096	numeric.c	src.backend.utils.adt
46	0.32	80	nodeFuncs.c	src.backend.nodes
46	0.31	3710	float.c	src.backend.utils.adt
18	0.80	1885	numeric.c	src.interfaces.ecpg.pgtypeslib
18	0.74	8093	numeric.c	src.backend.utils.adt
18	0.32	80	nodeFuncs.c	src.backend.nodes
18	0.17	853	descriptor.c	src.interfaces.ecpg.ecpglib
1	0.81	5305	numeric.c	src.backend.utils.adt
1	0.24	125	nodeFuncs.c	src.backend.nodes
1	0.14	227	var.c	src.backend.optimizer.util
1	0.11	140	strtol.c	src.backend.port

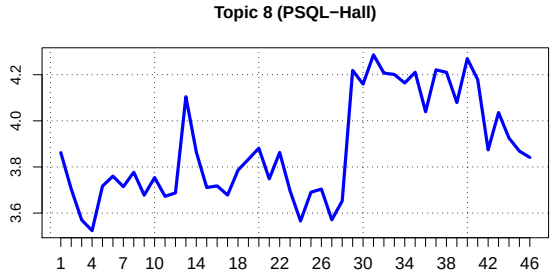
"var var", {*var numer digit arg result variabl num sum sign weight max*}

Best matching topic evolution (Topic distance = 3.053, Evolution distance = 0.0544):



V	θ	Size	File	Package
37	0.88	1124	interval.c	src.interfaces.ecpg.pgtypeslib
37	0.79	4809	dt_common.c	src.interfaces.ecpg.pgtypeslib
37	0.75	1532	timestamp.c	src.interfaces.ecpg.pgtypeslib
37	0.67	7853	timestamp.c	src.backend.utils.adt
17	0.89	1033	interval.c	src.interfaces.ecpg.pgtypeslib
17	0.79	4699	dt_common.c	src.interfaces.ecpg.pgtypeslib
17	0.75	5584	datetime.c	src.backend.utils.adt
17	0.72	1230	timestamp.c	src.interfaces.ecpg.pgtypeslib
6	0.84	3366	datetime.c	src.backend.utils.adt
6	0.65	2693	nabstime.c	src.backend.utils.adt
6	0.65	3504	timestamp.c	src.backend.utils.adt
6	0.59	2050	date.c	src.backend.utils.adt

"time zone", {*time timestamp interv date year dai sec month hour dtk fsec*}



V	θ	Size	File	Package
31	0.96	5168	execMain.c	src.backend.executor
31	0.70	689	execJunk.c	src.backend.executor
31	0.65	2058	execTuples.c	src.backend.executor
31	0.41	2392	execUtils.c	src.backend.executor
19	0.96	4880	execMain.c	src.backend.executor
19	0.70	1553	execTuples.c	src.backend.executor
19	0.55	668	execJunk.c	src.backend.executor
19	0.45	2183	execUtils.c	src.backend.executor
4	0.98	4180	execMain.c	src.backend.executor
4	0.77	1217	execTuples.c	src.backend.executor
4	0.41	895	execJunk.c	src.backend.executor
4	0.35	1564	execUtils.c	src.backend.executor

"slot slot", {*tupl slot estat result exec info tabl relat plan desc rel*}

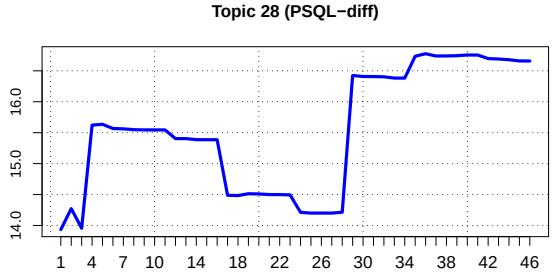
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
28	0.7600	0.0044
32	1.3238	0.0104
6	1.5045	0.1628

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
69	2.4944	0.0018
28	0.7600	0.0044
78	1.6418	0.0058

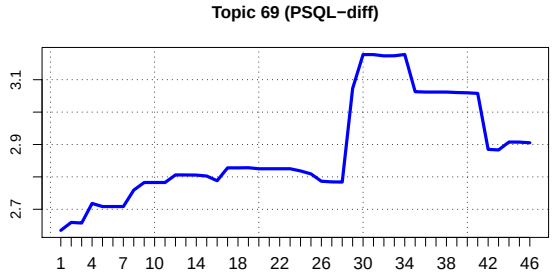
Best matching topic (Topic distance = 0.760, Evolution distance = 0.0044):



V	θ	Size	File	Package
36	0.82	887	nodeNestloop.c	src.backend.executor
36	0.77	411	nodeUnique.c	src.backend.executor
36	0.75	489	nodeResult.c	src.backend.executor
36	0.68	570	nodeMaterial.c	src.backend.executor
9	0.90	834	nodeNestloop.c	src.backend.executor
9	0.87	473	nodeUnique.c	src.backend.executor
9	0.84	476	nodeResult.c	src.backend.executor
9	0.82	3297	nodeMergejoin.c	src.backend.executor
1	0.94	449	nodeUnique.c	src.backend.executor
1	0.94	736	nodeNestloop.c	src.backend.executor
1	0.88	480	nodeResult.c	src.backend.executor
1	0.82	2471	nodeMergejoin.c	src.backend.executor

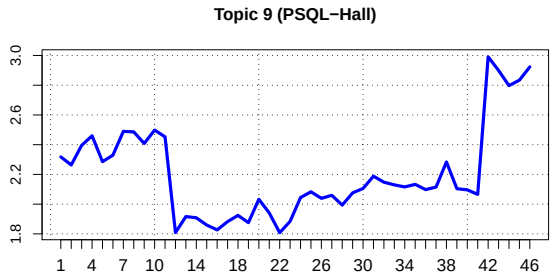
"exec eval", {*exec tupl node slot estat plan outer tabl econtext state result*}

Best matching topic evolution (Topic distance = 2.494, Evolution distance = 0.0018):



V	θ	Size	File	Package
34	0.58	2710	parse_func.c	src.backend.parser
34	0.46	1968	parse_oper.c	src.backend.parser
34	0.43	811	pg_aggregate.c	src.backend.catalog
34	0.24	3157	nodeAgg.c	src.backend.executor
22	0.61	3141	parse_func.c	src.backend.parser
22	0.46	1968	parse_oper.c	src.backend.parser
22	0.44	749	pg_aggregate.c	src.backend.catalog
22	0.23	644	aggregatecmds.c	src.backend.commands
1	0.75	1562	parse_oper.c	src.backend.parser
1	0.67	3478	parse_func.c	src.backend.parser
1	0.24	1637	nodeAgg.c	src.backend.executor
1	0.24	608	parse_agg.c	src.backend.parser

"agg agg", {*candid type oid arg agg aggreg current function func input list*}



V	θ	Size	File	Package
42	0.94	3971	catcache.c	src.backend.utils.cache
42	0.25	1242	ts_cache.c	src.backend.utils.cache
42	0.23	1330	syscache.c	src.backend.utils.cache
42	0.16	109	discard.c	src.backend.commands
30	0.95	4150	catcache.c	src.backend.utils.cache
30	0.21	1191	syscache.c	src.backend.utils.cache
30	0.12	1217	typcache.c	src.backend.utils.cache
30	0.10	155	superuser.c	src.backend.utils.misc
22	0.96	3751	catcache.c	src.backend.utils.cache
22	0.21	1166	syscache.c	src.backend.utils.cache
22	0.09	733	regexp.c	src.backend.utils.adt
22	0.07	2515	fd.c	src.backend.storage.file

"cach cach", {*cach tupl cat hash list entri kei catalog elog initi relat*}

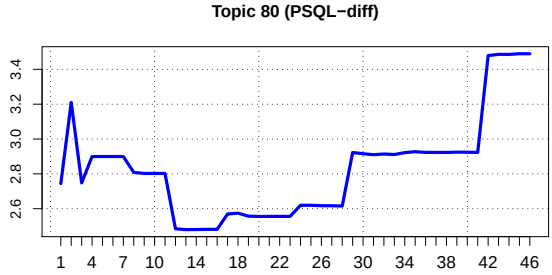
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
80	0.5184	0.0115
6	1.3829	0.1443
32	1.5615	0.0348

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
80	0.5184	0.0115
5	2.3704	0.0186
8	4.6701	0.0206

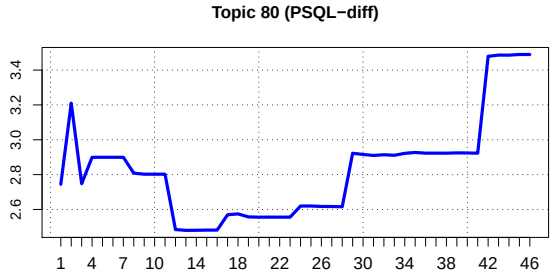
Best matching topic (Topic distance = 0.518, Evolution distance = 0.0115):



V	θ	Size	File	Package
45	0.57	3971	catcache.c	src.backend.utils.cache
45	0.46	2694	inval.c	src.backend.utils.cache
45	0.24	155	superuser.c	src.backend.utils.misc
45	0.20	1330	syscache.c	src.backend.utils.cache
8	0.59	2540	catcache.c	src.backend.utils.cache
8	0.56	1198	inval.c	src.backend.utils.cache
8	0.19	938	syscache.c	src.backend.utils.cache
8	0.19	59	IPAddress.java	contrib.retep.uk.org.retep.util.misc
13	0.61	3764	catcache.c	src.backend.utils.cache
13	0.54	1474	inval.c	src.backend.utils.cache
13	0.22	1181	syscache.c	src.backend.utils.cache
13	0.11	2015	fd.c	src.backend.storage.file

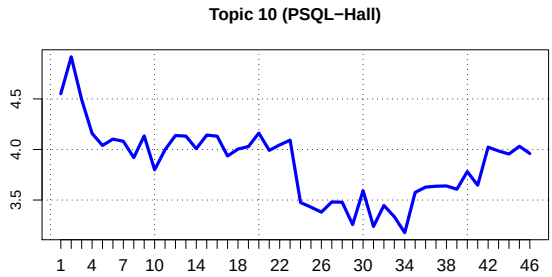
"cach cach", {*cach invalid relat messag entri tupl debug cat local index pointer*}

Best matching topic evolution (Topic distance = 0.518, Evolution distance = 0.0115):



V	θ	Size	File	Package
45	0.57	3971	catcache.c	src.backend.utils.cache
45	0.46	2694	inval.c	src.backend.utils.cache
45	0.24	155	superuser.c	src.backend.utils.misc
45	0.20	1330	syscache.c	src.backend.utils.cache
8	0.59	2540	catcache.c	src.backend.utils.cache
8	0.56	1198	inval.c	src.backend.utils.cache
8	0.19	938	syscache.c	src.backend.utils.cache
8	0.19	59	IPAddress.java	contrib.retep.uk.org.retep.util.misc
13	0.61	3764	catcache.c	src.backend.utils.cache
13	0.54	1474	inval.c	src.backend.utils.cache
13	0.22	1181	syscache.c	src.backend.utils.cache
13	0.11	2015	fd.c	src.backend.storage.file

"cach cach", {*cach invalid relat messag entri tupl debug cat local index pointer*}



V	θ	Size	File	Package
2	0.94	602	list.c	src.backend.nodes
2	0.77	213	dllist.c	src.backend.lib
2	0.52	3531	createplan.c	src.backend.optimizer.plan
2	0.49	87	lispsort.c	src.backend.lib
46	0.99	2370	list.c	src.backend.nodes
46	0.80	192	dllist.c	src.backend.lib
46	0.45	8488	createplan.c	src.backend.optimizer.plan
46	0.41	3699	setrefs.c	src.backend.optimizer.plan
34	0.99	2370	list.c	src.backend.nodes
34	0.67	233	dllist.c	src.backend.lib
34	0.50	7152	createplan.c	src.backend.optimizer.plan
34	0.42	3422	setrefs.c	src.backend.optimizer.plan

"plan plan", {*list plan scan node tlist cell join qual subplan lefttre index*}

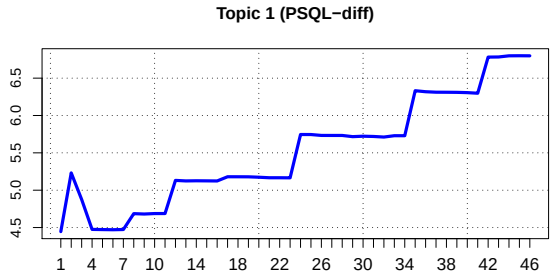
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
1	0.7762	0.0778
78	1.2175	0.0406
54	1.7361	0.1057

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
81	2.6180	0.0065
12	2.6812	0.0135
32	3.2149	0.0139

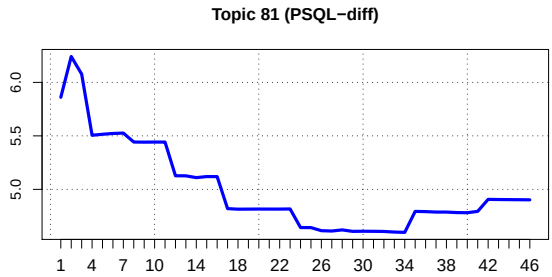
Best matching topic (Topic distance = 0.776, Evolution distance = 0.0778):



V	θ	Size	File	Package
45	0.83	2370	list.c	src.backend.nodes
45	0.50	192	dllist.c	src.backend.lib
45	0.16	869	prepqual.c	src.backend.optimizer.prep
45	0.13	472	tlist.c	src.backend.optimizer.util
2	0.77	602	list.c	src.backend.nodes
2	0.48	213	dllist.c	src.backend.lib
2	0.43	87	lispsort.c	src.backend.lib
2	0.23	225	tuplelist.c	src.interfaces.odbc
1	0.77	602	list.c	src.backend.nodes
1	0.48	213	dllist.c	src.backend.lib
1	0.43	87	lispsort.c	src.backend.lib
1	0.16	370	temprel.c	src.backend.utils.cache

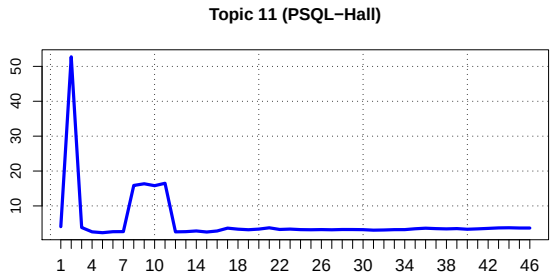
"list list", {*list cell lfirst nil head foreach oid length lappend member prev*}

Best matching topic evolution (Topic distance = 2.618, Evolution distance = 0.0065):



V	θ	Size	File	Package
2	0.28	5174	index.c	src.backend.catalog
2	0.28	36	indexnode.c	src.backend.optimizer.util
2	0.27	2071	indexcmds.c	src.backend.commands
2	0.25	998	hash.c	src.backend.access.hash
20	0.31	352	indexing.c	src.backend.catalog
20	0.25	4144	index.c	src.backend.catalog
20	0.19	1809	indexcmds.c	src.backend.commands
20	0.17	583	genam.c	src.backend.access.index
34	0.29	370	indexing.c	src.backend.catalog
34	0.24	4203	index.c	src.backend.catalog
34	0.17	563	genam.c	src.backend.access.index
34	0.17	2499	indexcmds.c	src.backend.commands

"index index", {*index tupl relat pred number info kei build predic reindex form*}



V	θ	Size	File	Package
2	0.83	2084	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc2
2	0.82	670	CallableStatement.java	src.interfaces.jdbc.postgresql.jdbc2
2	0.82	1458	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc1
2	0.82	2051	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc2
40	0.92	796	bitmapset.c	src.backend.nodes
40	0.62	1220	mbutils.c	src.backend.utils.mb
40	0.31	1096	postinit.c	src.backend.utils.init
40	0.27	190	pgevent.c	src.bin.pgevent
5	0.37	1143	dbcommands.c	src.backend.commands
5	0.34	70	excid.c	src.backend.utils.error
5	0.31	751	postinit.c	src.backend.utils.init
5	0.24	514	database.c	src.backend.utils.misc

"encod encod", {*databas encod set result sql client column src error bitmapset except*}

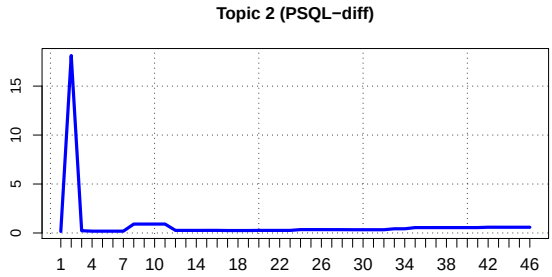
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
2	0.8598	8.7074
79	0.8718	1.1462
62	1.0911	0.8981

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
97	1.5535	0.4405
62	1.0911	0.8981
79	0.8718	1.1462

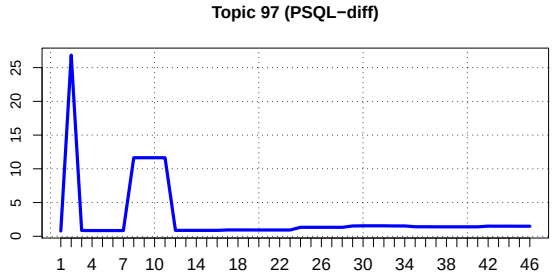
Best matching topic (Topic distance = 0.860, Evolution distance = 8.7074):



V	θ	Size	File	Package
2	1.00	2051	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc2
2	1.00	2084	ResultSet.java	src.interfaces.jdbc.org.postgresql.jdbc2
2	1.00	1458	ResultSet.java	src.interfaces.jdbc.postgresql.jdbc1
2	0.99	670	CallableStatement.java	src.interfaces.jdbc.postgresql.jdbc2
28	0.08	1564	rowtypes.c	src.backend.utils.adt
28	0.04	235	noup.c	contrib.noupdate
28	0.03	956	help.c	src.bin.psql
28	NA	NA	NA	NA
1	0.05	241	noup.c	contrib.noupdate
1	0.03	534	geqo_params.c	src.backend.optimizer.geqo
1	0.02	2071	indexcmds.c	src.backend.commands
1	NA	NA	NA	NA

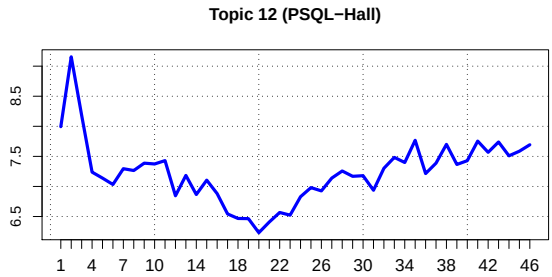
"column column", {*column paramet index sql set java param databas type except access*}

Best matching topic evolution (Topic distance = 1.554, Evolution distance = 0.4405):



V	θ	Size	File	Package
2	1.00	66	PGcircle.java	src.interfaces.jdbc.org.postgresql.geometric
2	1.00	91	PGlseg.java	src.interfaces.jdbc.org.postgresql.geometric
2	1.00	91	PGlseg.java	src.interfaces.jdbc.postgresql.geometric
2	0.98	93	PGbox.java	src.interfaces.jdbc.org.postgresql.geometric
27	0.26	86	funcs.c	src.tutorial
27	0.23	199	params.c	src.backend.nodes
27	0.20	90	fseeko.c	src.port
27	0.13	84	nextstep.c	src.backend.port.dynloader
1	0.31	1371	predmig.c	src.backend.optimizer.path._deadcode
1	0.26	86	funcs.c	src.tutorial
1	0.13	85	nextstep.c	src.backend.port.dynloader
1	0.04	1330	define.c	src.backend.commands

"stream stream", {*param stream postgresql java point except object properti set integ tag*}



V	θ	Size	File	Package
2	0.90	1422	heaptuple.c	src.backend.access.common
2	0.81	624	indextuple.c	src.backend.access.common
2	0.78	1208	tupdesc.c	src.backend.access.common
2	0.56	36	tuptoaster.c	src.backend.access.heap
4	0.94	1334	heaptuple.c	src.backend.access.common
4	0.88	669	indextuple.c	src.backend.access.common
4	0.81	1888	tuptoaster.c	src.backend.access.heap
4	0.76	1248	tupdesc.c	src.backend.access.common
20	0.96	1369	heaptuple.c	src.backend.access.common
20	0.88	606	indextuple.c	src.backend.access.common
20	0.81	2232	tuptoaster.c	src.backend.access.heap
20	0.70	1442	tupdesc.c	src.backend.access.common

"tupl desc", {*tupl attr desc heap attribut datum data att toast valu attnum*}

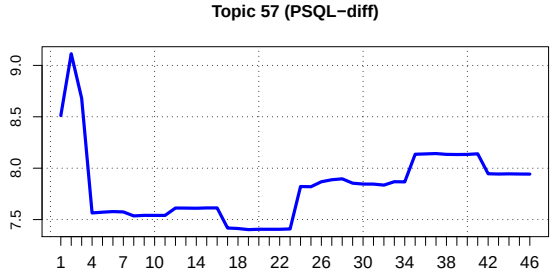
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
57	0.1964	0.0035
7	1.5018	0.6446
6	1.6558	0.1165

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
57	0.1964	0.0035
67	2.6629	0.0066
16	3.1383	0.0086

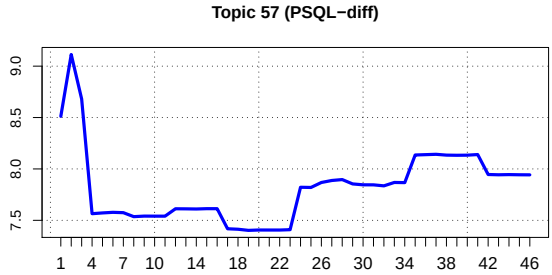
Best matching topic (Topic distance = 0.196, Evolution distance = 0.0035):



V	θ	Size	File	Package
2	0.66	1422	heaptuple.c	src.backend.access.common
2	0.58	624	indextuple.c	src.backend.access.common
2	0.56	36	tuptoaster.c	src.backend.access.heap
2	0.44	1208	tupdesc.c	src.backend.access.common
32	0.68	3190	heaptuple.c	src.backend.access.common
32	0.56	632	indextuple.c	src.backend.access.common
32	0.53	2658	tuptoaster.c	src.backend.access.heap
32	0.42	1053	tupdesc.c	src.backend.access.common
19	0.61	1369	heaptuple.c	src.backend.access.common
19	0.57	606	indextuple.c	src.backend.access.common
19	0.51	2232	tuptoaster.c	src.backend.access.heap
19	0.38	1442	tupdesc.c	src.backend.access.common

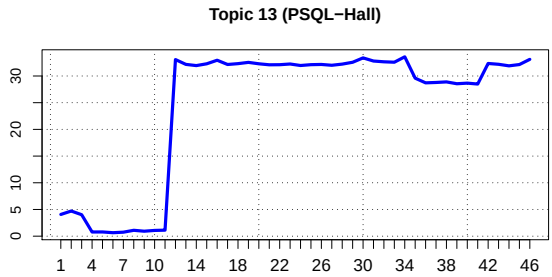
"heap tupl", {*tupl attr attribut datum att heap attnum natt number desc tup*}

Best matching topic evolution (Topic distance = 0.196, Evolution distance = 0.0035):



V	θ	Size	File	Package
2	0.66	1422	heaptuple.c	src.backend.access.common
2	0.58	624	indextuple.c	src.backend.access.common
2	0.56	36	tuptoaster.c	src.backend.access.heap
2	0.44	1208	tupdesc.c	src.backend.access.common
32	0.68	3190	heaptuple.c	src.backend.access.common
32	0.56	632	indextuple.c	src.backend.access.common
32	0.53	2658	tuptoaster.c	src.backend.access.heap
32	0.42	1053	tupdesc.c	src.backend.access.common
19	0.61	1369	heaptuple.c	src.backend.access.common
19	0.57	606	indextuple.c	src.backend.access.common
19	0.51	2232	tuptoaster.c	src.backend.access.heap
19	0.38	1442	tupdesc.c	src.backend.access.common

"heap tupl", {*tupl attr attribut datum att heap attnum natt number desc tup*}



V	θ	Size	File	Package
34	1.00	93	ascii_and_mic.c	src.backend.utils.mb.conversion_procs.ascii_and_mic
34	1.00	1050	cyrillic_and_mic.c	src.backend.utils.mb.conversion_procs.cyrillic_and_mic
34	1.00	171	euc_cn_and_mic.c	src.backend.utils.mb.conversion_procs.euc_cn_and_mic
34	1.00	175	euc_kr_and_mic.c	src.backend.utils.mb.conversion_procs.euc_kr_and_mic
21	1.00	1012	cyrillic_and_mic.c	src.backend.utils.mb.conversion_procs.cyrillic_and_mic
21	1.00	134	euc_cn_and_mic.c	src.backend.utils.mb.conversion_procs.euc_cn_and_mic
21	1.00	134	euc_kr_and_mic.c	src.backend.utils.mb.conversion_procs.euc_kr_and_mic
21	1.00	405	euc_tw_and_big5.c	src.backend.utils.mb.conversion_procs.euc_tw_and_big5
6	0.39	197	ascii.c	src.backend.utils.adt
6	0.15	414	encode.c	contrib.pgcrypto
6	0.04	70	excid.c	src.backend.utils.error
6	0.02	1342	miscinit.c	src.backend.utils.init

"utf utf", {*len utf getarg encod function iso assert euc mic cstring src*}

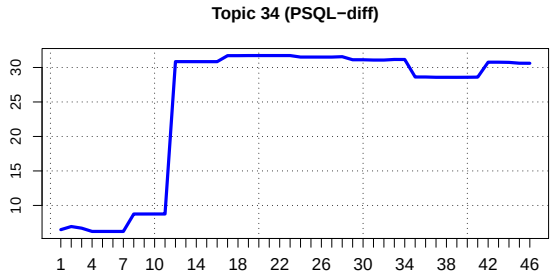
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
34	0.4290	0.0371
88	1.7282	0.1597
67	2.3369	0.6719

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
34	0.4290	0.0371
66	3.3824	0.0812
88	1.7282	0.1597

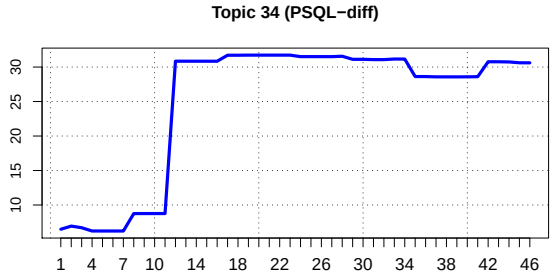
Best matching topic (Topic distance = 0.429, Evolution distance = 0.0371):



V	θ	Size	File	Package
19	0.95	481	utf8_and_iso8859.c	src.backend.utils.mb.conversion_procs.utf8_and_iso8859
19	0.90	72	crc32.c	contrib.tsearch
19	0.90	72	crc32.c	contrib.tsearch2
19	0.85	84	pg_crc.c	src.backend.utils.hash
42	0.91	489	utf8_and_iso8859.c	src.backend.utils.mb.conversion_procs.utf8_and_iso8859
42	0.91	421	utf8_and_win.c	src.backend.utils.mb.conversion_procs.utf8_and_win
42	0.85	72	crc32.c	contrib.hstore
42	0.82	84	crc32.c	contrib.ltree
6	0.90	915	conv.c	src.backend.utils.mb
6	0.80	346	wchar.c	src.backend.utils.mb
6	0.77	426	mbutils.c	src.backend.utils.mb
6	0.51	294	sha1.c	contrib.pgcrypto

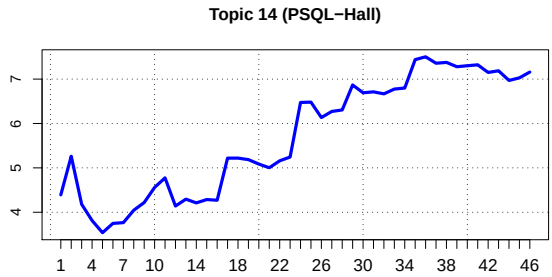
"cstring len", {*encod len utf iso euc mic win unsign assert latin els*}

Best matching topic evolution (Topic distance = 0.429, Evolution distance = 0.0371):



V	θ	Size	File	Package
19	0.95	481	utf8_and_iso8859.c	src.backend.utils.mb.conversion_procs.utf8_and_iso8859
19	0.90	72	crc32.c	contrib.tsearch
19	0.90	72	crc32.c	contrib.tsearch2
19	0.85	84	pg_crc.c	src.backend.utils.hash
42	0.91	489	utf8_and_iso8859.c	src.backend.utils.mb.conversion_procs.utf8_and_iso8859
42	0.91	421	utf8_and_win.c	src.backend.utils.mb.conversion_procs.utf8_and_win
42	0.85	72	crc32.c	contrib.hstore
42	0.82	84	crc32.c	contrib.ltree
6	0.90	915	conv.c	src.backend.utils.mb
6	0.80	346	wchar.c	src.backend.utils.mb
6	0.77	426	mbutils.c	src.backend.utils.mb
6	0.51	294	sha1.c	contrib.pgcrypto

"cstring len", {*encod len utf iso euc mic win unsign assert latin els*}



V	θ	Size	File	Package
36	0.99	7853	timestamp.c	src.backend.utils.adt
36	0.95	4517	date.c	src.backend.utils.adt
36	0.94	2447	nabstime.c	src.backend.utils.adt
36	0.81	58	pg_rusage.c	src.backend.utils.misc
2	1.00	1535	date.c	src.backend.utils.adt
2	0.98	3237	timestamp.c	src.backend.utils.adt
2	0.85	2542	nabstime.c	src.backend.utils.adt
2	0.54	347	datetime_functions.c	contrib.datetime
5	0.98	3504	timestamp.c	src.backend.utils.adt
5	0.93	2693	nabstime.c	src.backend.utils.adt
5	0.91	2050	date.c	src.backend.utils.adt
5	0.35	57	getrusage.c	src.backend.port

"date adt", {*time timestamp interv result date datum getarg function fsec dai sec*}

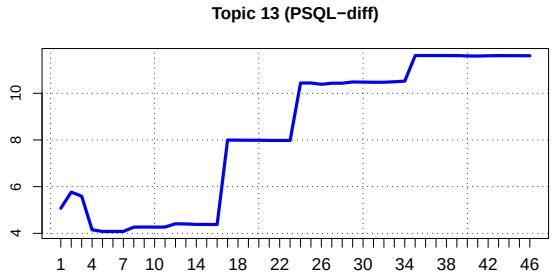
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
13	0.3782	0.0501
88	1.5167	0.1247
94	1.8531	0.0831

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
22	3.1847	0.0151
41	2.0115	0.0183
48	3.4776	0.0191

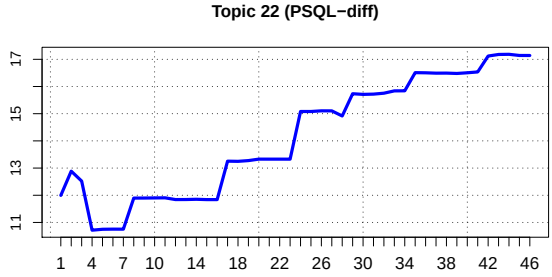
Best matching topic (Topic distance = 0.378, Evolution distance = 0.0501):



V	θ	Size	File	Package
37	0.88	1124	interval.c	src.interfaces.ecpg.pgtypeslib
37	0.79	4809	dt_common.c	src.interfaces.ecpg.pgtypeslib
37	0.75	1532	timestamp.c	src.interfaces.ecpg.pgtypeslib
37	0.67	7853	timestamp.c	src.backend.utils.adt
17	0.89	1033	interval.c	src.interfaces.ecpg.pgtypeslib
17	0.79	4699	dt_common.c	src.interfaces.ecpg.pgtypeslib
17	0.75	5584	datetime.c	src.backend.utils.adt
17	0.72	1230	timestamp.c	src.interfaces.ecpg.pgtypeslib
6	0.84	3366	datetime.c	src.backend.utils.adt
6	0.65	2693	nabstime.c	src.backend.utils.adt
6	0.65	3504	timestamp.c	src.backend.utils.adt
6	0.59	2050	date.c	src.backend.utils.adt

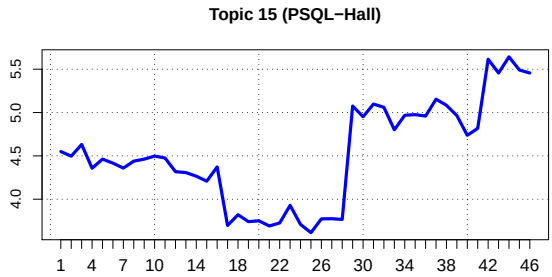
"time zone", {*time timestamp interv date year dai sec month hour dtk fsec*}

Best matching topic evolution (Topic distance = 3.185, Evolution distance = 0.0151):



V	θ	Size	File	Package
44	0.71	77	strtoul.c	src.port
44	0.60	158	strtol.c	src.port
44	0.54	454	utilities.c	src.backend.snowball.libstemmer
44	0.46	33	ialloc.c	src.timezone
20	0.70	79	strtoul.c	src.port
20	0.67	140	strtol.c	src.port
20	0.64	423	utilities.c	contrib.tsearch2.snowball
20	0.62	66	api.c	contrib.tsearch2.snowball
4	0.74	140	strtol.c	src.backend.port
4	0.70	79	strtoul.c	src.backend.port
4	0.60	65	bit.c	src.backend.lib
4	0.36	61	Varray.c	src.backend.tioga

"size size", {*size bit max els min for length offset number byte set*}



V	θ	Size	File	Package
44	0.90	6318	indxpath.c	src.backend.optimizer.path
44	0.79	3029	pathkeys.c	src.backend.optimizer.path
44	0.64	1100	restrictinfo.c	src.backend.optimizer.util
44	0.64	2925	predtest.c	src.backend.optimizer.util
5	1.00	103	restrictinfo.c	src.backend.optimizer.util
5	0.90	4435	indxpath.c	src.backend.optimizer.path
5	0.89	2150	pathkeys.c	src.backend.optimizer.path
5	0.48	593	orindxpath.c	src.backend.optimizer.path
25	0.93	4961	indxpath.c	src.backend.optimizer.path
25	0.87	2766	pathkeys.c	src.backend.optimizer.path
25	0.59	971	restrictinfo.c	src.backend.optimizer.util
25	0.53	994	orindxpath.c	src.backend.optimizer.path

"oid text", {*claus list index info pathkei kei path match oid rel expr*}

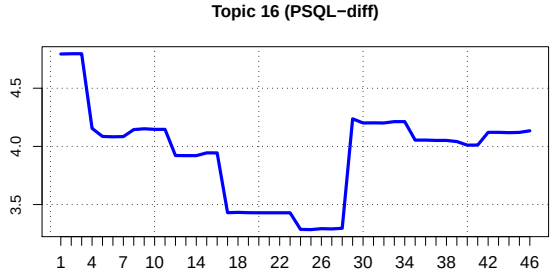
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
16	0.4069	0.0190
3	0.6876	0.0231
41	1.4551	0.1063

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
80	2.6444	0.0106
28	2.8422	0.0143
33	2.3110	0.0176

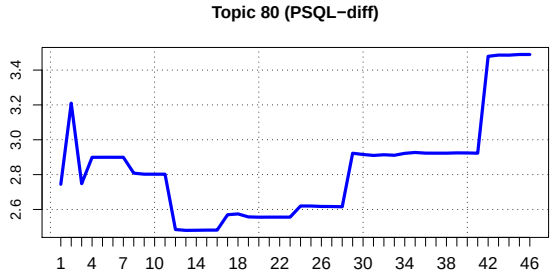
Best matching topic (Topic distance = 0.407, Evolution distance = 0.0190):



V	θ	Size	File	Package
3	0.92	60	restrictinfo.c	src.backend.optimizer.util
3	0.73	1662	prepqual.c	src.backend.optimizer.prep
3	0.56	4318	indxpath.c	src.backend.optimizer.path
3	0.31	818	clausesel.c	src.backend.optimizer.path
35	0.60	2786	predtest.c	src.backend.optimizer.util
35	0.50	869	prepqual.c	src.backend.optimizer.prep
35	0.42	6383	indxpath.c	src.backend.optimizer.path
35	0.38	1367	restrictinfo.c	src.backend.optimizer.util
25	0.55	4961	indxpath.c	src.backend.optimizer.path
25	0.52	997	prepqual.c	src.backend.optimizer.prep
25	0.39	971	restrictinfo.c	src.backend.optimizer.util
25	0.28	994	orindxpath.c	src.backend.optimizer.path

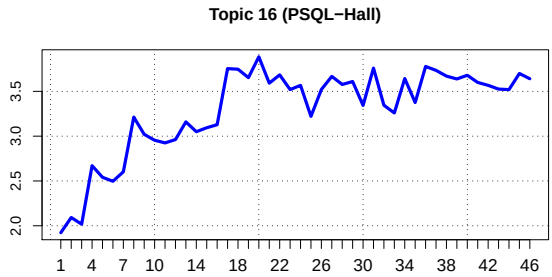
"claus claus", {*claus list expr node qual match opclass predic restrict indexkei test*}

Best matching topic evolution (Topic distance = 2.644, Evolution distance = 0.0106):



V	θ	Size	File	Package
45	0.57	3971	catcache.c	src.backend.utils.cache
45	0.46	2694	inval.c	src.backend.utils.cache
45	0.24	155	superuser.c	src.backend.utils.misc
45	0.20	1330	syscache.c	src.backend.utils.cache
8	0.59	2540	catcache.c	src.backend.utils.cache
8	0.56	1198	inval.c	src.backend.utils.cache
8	0.19	938	syscache.c	src.backend.utils.cache
8	0.19	59	IPAddress.java	contrib.retep.uk.org.retep.util.misc
13	0.61	3764	catcache.c	src.backend.utils.cache
13	0.54	1474	inval.c	src.backend.utils.cache
13	0.22	1181	syscache.c	src.backend.utils.cache
13	0.11	2015	fd.c	src.backend.storage.file

"cach cach", {*cach invalid relat messag entri tupl debug cat local index pointer*}



V	θ	Size	File	Package
20	0.92	12	regfree.c	src.backend.regex
20	0.90	6462	selfuncs.c	src.backend.utils.adt
20	0.67	3287	analyze.c	src.backend.commands
20	0.57	86	geo_selfuncs.c	src.backend.utils.adt
23	0.89	6462	selfuncs.c	src.backend.utils.adt
23	0.75	12	regfree.c	src.backend.regex
23	0.65	3287	analyze.c	src.backend.commands
23	0.48	86	geo_selfuncs.c	src.backend.utils.adt
1	0.78	3142	selfuncs.c	src.backend.utils.adt
1	0.46	805	clausesel.c	src.backend.optimizer.path
1	0.43	167	geo_selfuncs.c	src.backend.utils.adt
1	0.08	6246	vacuum.c	src.backend.commands

"stat stat", {*select stat datum var valu index estim tupl els cnt number*}

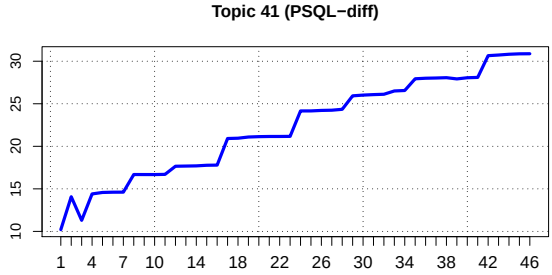
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
41	1.4079	0.0591
12	1.4136	0.1114
16	1.5292	0.1073

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
44	3.2449	0.0130
74	3.9031	0.0153
100	4.4675	0.0185

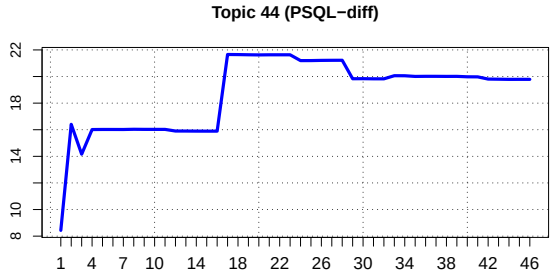
Best matching topic (Topic distance = 1.408, Evolution distance = 0.0591):



V	θ	Size	File	Package
46	0.53	63	unsetenv.c	src.port
46	0.49	12	regfree.c	src.backend.regex
46	0.30	714	sinval.c	src.backend.storage.ipc
46	0.22	178	system.c	src.backend.port.darwin
23	0.49	12	regfree.c	src.backend.regex
23	0.28	43	hashfn.c	src.backend.utils.hash
23	0.27	200	dllinit.c	src.utils
23	0.23	135	pmsignal.c	src.backend.storage.ipc
1	0.26	50	misc.c	src.backend.utils.adt
1	0.23	95	excid.c	src.backend.utils.error
1	0.19	141	hashfn.c	src.backend.utils.hash
1	0.16	836	pg_lzcompress.c	src.backend.utils.adt

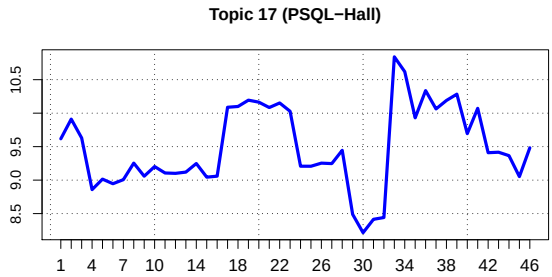
"don bother", {*note check set don code pass call make caller assum time*}

Best matching topic evolution (Topic distance = 3.245, Evolution distance = 0.0130):



V	θ	Size	File	Package
17	0.86	7	strdup.c	src.port
17	0.80	265	dropdb.c	src.bin.scripts
17	0.79	256	dropuser.c	src.bin.scripts
17	0.79	451	clusterdb.c	src.bin.scripts
31	0.79	272	dropdb.c	src.bin.scripts
31	0.79	456	clusterdb.c	src.bin.scripts
31	0.78	260	dropuser.c	src.bin.scripts
31	0.75	6	strdup.c	src.port
1	0.64	14	tstrint.c	src.backend.port.qnx4
1	0.63	138	vartest.c	contrib.bit
1	0.59	119	getopt.c	src.utils
1	0.57	7	strdup.c	src.utils

"fprintf stderr", {*printf fprintf stderr argv exit prognam char command argc option password*}



V	θ	Size	File	Package
33	1.00	258	autoinc.c	contrib.spi
33	0.98	225	insert_username.c	contrib.spi
33	0.94	257	moddatetime.c	contrib.spi
33	0.92	191	lo.c	contrib.lo
44	1.00	260	autoinc.c	contrib.spi
44	1.00	227	insert_username.c	contrib.spi
44	0.95	259	moddatetime.c	contrib.spi
44	0.91	193	lo.c	contrib.lo
30	1.00	258	autoinc.c	contrib.spi
30	1.00	225	insert_username.c	contrib.spi
30	0.90	191	lo.c	contrib.lo
30	0.83	938	timetravel.c	contrib.spi

"elog error", {*spi error plan trigger tupl elog datum arg tupdesc call current*}

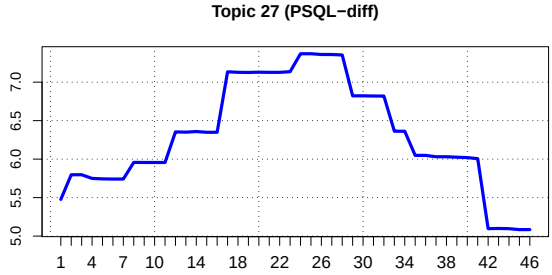
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
27	0.4594	0.0332
91	1.3054	0.0203
57	1.4062	0.0112

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
32	2.0156	0.0091
29	3.3813	0.0105
57	1.4062	0.0112

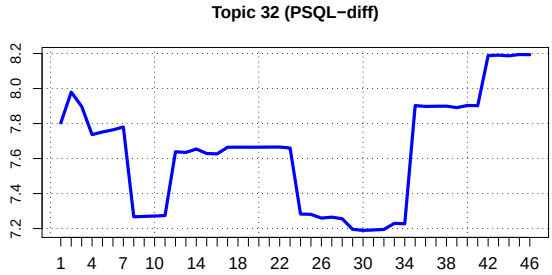
Best matching topic (Topic distance = 0.459, Evolution distance = 0.0332):



V	θ	Size	File	Package
24	0.89	3549	plperl.c	src.pl.plperl
24	0.88	3912	pltcl.c	src.pl.tcl
24	0.42	3645	spi.c	src.backend.executor
24	0.38	1680	pending.c	contrib.dbmirror
35	0.62	3888	pltcl.c	src.pl.tcl
35	0.50	21	spi_internal.c	src.pl.plperl
35	0.42	3792	spi.c	src.backend.executor
35	0.39	4485	plperl.c	src.pl.plperl
45	0.58	4188	pltcl.c	src.pl.tcl
45	0.50	21	spi_internal.c	src.pl.plperl
45	0.38	4590	plperl.c	src.pl.plperl
45	0.37	4495	spi.c	src.backend.executor

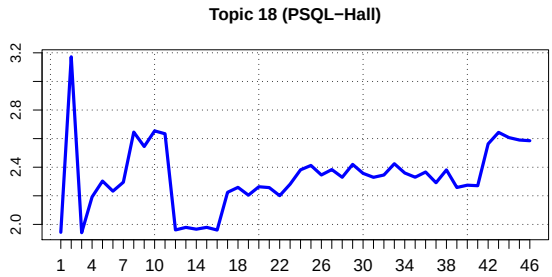
"spi process", {*spi error plan restart tupl proc warn tupdesc oid datum type*}

Best matching topic evolution (Topic distance = 2.016, Evolution distance = 0.0091):



V	θ	Size	File	Package
45	0.56	799	toasting.c	src.backend.catalog
45	0.51	117	lockcmds.c	src.backend.commands
45	0.36	900	catalog.c	src.backend.catalog
45	0.35	5369	heap.c	src.backend.catalog
19	0.52	108	lockcmds.c	src.backend.commands
19	0.38	4546	heap.c	src.backend.catalog
19	0.36	2105	cluster.c	src.backend.commands
19	0.36	282	catalog.c	src.backend.catalog
30	0.50	111	lockcmds.c	src.backend.commands
30	0.36	4480	heap.c	src.backend.catalog
30	0.35	2142	cluster.c	src.backend.commands
30	0.33	8038	relcache.c	src.backend.utils.cache

"relat relat", {*relat rel oid tabl relid relnam lock relkind check system open*}



V	θ	Size	File	Package
2	0.89	4034	readfuncs.c	src.backend.nodes
2	0.73	628	read.c	src.backend.nodes
2	0.32	227	PGtokenizer.java	src.interfaces.jdbc.org.postgresql.util
2	0.29	227	PGtokenizer.java	src.interfaces.jdbc.postgresql.util
31	0.97	2106	readfuncs.c	src.backend.nodes
31	0.72	773	read.c	src.backend.nodes
31	0.21	132	parser.c	src.backend.parser
31	0.13	1106	datetime.c	src.interfaces.ecpg.pgtypeslib
3	0.90	4034	readfuncs.c	src.backend.nodes
3	0.71	628	read.c	src.backend.nodes
3	0.13	707	stats.c	src.backend.access.heap
3	0.08	534	geqo_params.c	src.backend.optimizer.geqo

"token token", {*token read node length local strtok field els expr oid eat*}

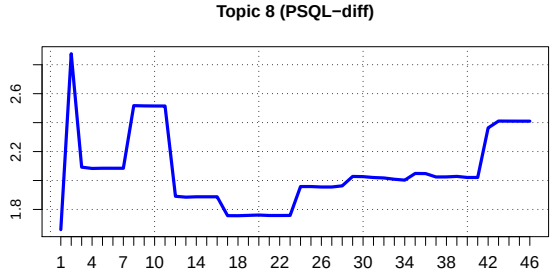
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
8	0.3056	0.0114
51	1.5283	0.0249
54	1.5890	0.1756

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
8	0.3056	0.0114
59	4.3505	0.0136
29	3.5411	0.0142

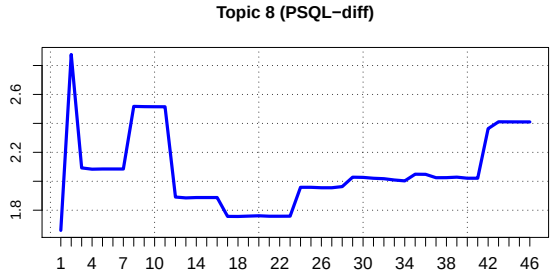
Best matching topic (Topic distance = 0.306, Evolution distance = 0.0114):



V	θ	Size	File	Package
2	0.62	4034	readfuncs.c	src.backend.nodes
2	0.37	628	read.c	src.backend.nodes
2	0.21	227	PGtokenizer.java	src.interfaces.jdbc.org.postgresql.util
2	0.20	227	PGtokenizer.java	src.interfaces.jdbc.postgresql.util
41	0.37	2126	readfuncs.c	src.backend.nodes
41	0.35	773	read.c	src.backend.nodes
41	0.13	428	security.c	src.backend.port.win32
41	0.11	1117	datetime.c	src.interfaces.ecpg.pgtypeslib
1	0.62	4034	readfuncs.c	src.backend.nodes
1	0.37	628	read.c	src.backend.nodes
1	0.13	707	stats.c	src.backend.access.heap
1	0.10	172	pg_locale.c	src.backend.utils.adt

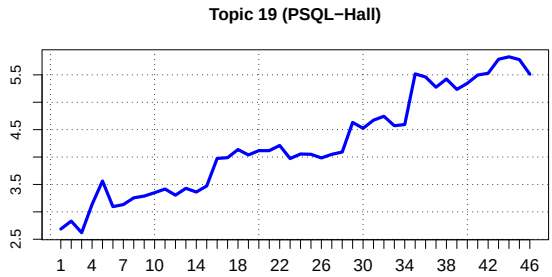
"token token", {*token length local read strtok node els eat char atoi strncmp*}

Best matching topic evolution (Topic distance = 0.306, Evolution distance = 0.0114):



V	θ	Size	File	Package
2	0.62	4034	readfuncs.c	src.backend.nodes
2	0.37	628	read.c	src.backend.nodes
2	0.21	227	PGtokenizer.java	src.interfaces.jdbc.org.postgresql.util
2	0.20	227	PGtokenizer.java	src.interfaces.jdbc.postgresql.util
41	0.37	2126	readfuncs.c	src.backend.nodes
41	0.35	773	read.c	src.backend.nodes
41	0.13	428	security.c	src.backend.port.win32
41	0.11	1117	datetime.c	src.interfaces.ecpg.pgtypeslib
1	0.62	4034	readfuncs.c	src.backend.nodes
1	0.37	628	read.c	src.backend.nodes
1	0.13	707	stats.c	src.backend.access.heap
1	0.10	172	pg_locale.c	src.backend.utils.adt

"token token", {*token length local read strtok node els eat char atoi strncmp*}



V	θ	Size	File	Package
44	0.85	1497	mcxt.c	src.backend.utils.mmgr
44	0.25	102	tstoreReceiver.c	src.backend.executor
44	0.23	1109	sha2.c	contrib.pgcrypto
44	0.20	5	gethostname.c	src.port
24	0.84	1462	mcxt.c	src.backend.utils.mmgr
24	0.20	103	tstoreReceiver.c	src.backend.executor
24	0.18	880	be-fsstubs.c	src.backend.libpq
24	0.14	132	dict_snowball.c	contrib.tsearch2
3	0.63	1150	mcxt.c	src.backend.utils.mmgr
3	0.28	2180	portalmem.c	src.backend.utils.mmgr
3	0.19	696	be-fsstubs.c	src.backend.libpq
3	0.19	16	eloglvl.c	src.pl.plperl

"memori context", {*context memori alloc allocset pointer node assert creat valid current reset*}

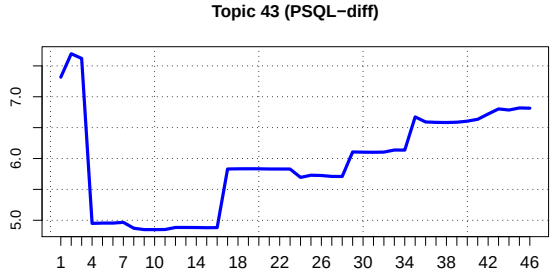
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
43	0.8865	0.0786
41	1.6725	0.0134
71	2.4617	0.0719

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
30	3.5907	0.0050
41	1.6725	0.0134
15	3.6930	0.0137

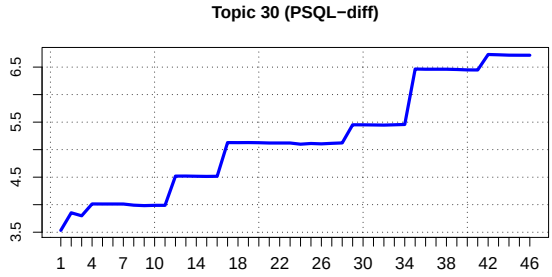
Best matching topic (Topic distance = 0.887, Evolution distance = 0.0786):



V	θ	Size	File	Package
2	0.85	2180	portalmem.c	src.backend.utils.mmgr
2	0.80	54	enbl.c	src.backend.utils.init
2	0.76	275	fstack.c	src.backend.lib
2	0.73	1150	mcxt.c	src.backend.utils.mmgr
18	0.55	1371	mcxt.c	src.backend.utils.mmgr
18	0.36	1148	portalmem.c	src.backend.utils.mmgr
18	0.28	47	assert.c	src.backend.utils.error
18	0.21	107	memory.c	src.interfaces.ecpg.ecpglib
10	0.57	1112	mcxt.c	src.backend.utils.mmgr
10	0.53	543	portalmem.c	src.backend.utils.mmgr
10	0.20	769	be-fsstubs.c	src.backend.libpq
10	0.19	2428	aset.c	src.backend.utils.mmgr

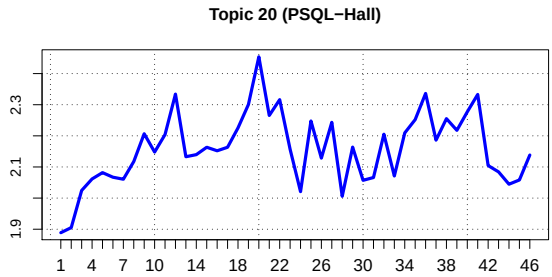
"memori context", {*context memori portal alloc pointer stack cxt oldcontext valid heap oldcxt*}

Best matching topic evolution (Topic distance = 3.591, Evolution distance = 0.0050):



V	θ	Size	File	Package
42	0.70	8115	arrayfuncs.c	src.backend.utils.adt
42	0.69	896	array_userfuncs.c	src.backend.utils.adt
42	0.41	367	arrayutils.c	src.backend.utils.adt
42	0.39	318	_int_tool.c	contrib.intarray
22	0.68	6314	arrayfuncs.c	src.backend.utils.adt
22	0.67	799	array_userfuncs.c	src.backend.utils.adt
22	0.59	130	arrayutils.c	src.backend.utils.adt
22	0.38	314	_int_tool.c	contrib.intarray
1	0.75	2854	arrayfuncs.c	src.backend.utils.adt
1	0.60	532	array_iterator.c	contrib.array
1	0.46	95	arrayutils.c	src.backend.utils.adt
1	0.37	834	chunk.c	src.backend.utils.adt

"arrai arrai", {*arrai arr elem dim type ndim ptr extra nitem typlen data*}



V	θ	Size	File	Package
20	1.00	1968	parse_oper.c	src.backend.parser
20	0.99	3141	parse_func.c	src.backend.parser
20	0.15	574	typcache.c	src.backend.utils.cache
20	0.13	749	pg_aggregate.c	src.backend.catalog
16	1.00	1792	parse_oper.c	src.backend.parser
16	0.99	2852	parse_func.c	src.backend.parser
16	0.16	1863	indexcmds.c	src.backend.commands
16	NA	NA	NA	NA
1	0.88	1562	parse_oper.c	src.backend.parser
1	0.82	3478	parse_func.c	src.backend.parser
1	0.10	541	fastpath.c	src.backend.tcop
1	0.05	1196	parse_coerce.c	src.backend.parser

"make oper", {*type candid oid arg current oper list function func error match*}

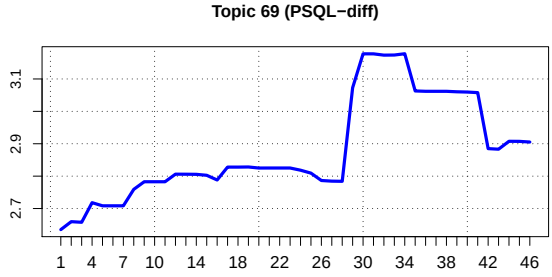
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
69	0.3374	0.0086
76	1.1976	0.0281
55	1.4351	0.0557

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
78	2.3454	0.0068
69	0.3374	0.0086
29	3.2903	0.0095

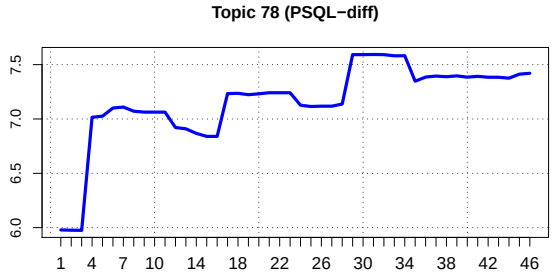
Best matching topic (Topic distance = 0.337, Evolution distance = 0.0086):



V	θ	Size	File	Package
34	0.58	2710	parse_func.c	src.backend.parser
34	0.46	1968	parse_oper.c	src.backend.parser
34	0.43	811	pg_aggregate.c	src.backend.catalog
34	0.24	3157	nodeAgg.c	src.backend.executor
22	0.61	3141	parse_func.c	src.backend.parser
22	0.46	1968	parse_oper.c	src.backend.parser
22	0.44	749	pg_aggregate.c	src.backend.catalog
22	0.23	644	aggregatecmds.c	src.backend.commands
1	0.75	1562	parse_oper.c	src.backend.parser
1	0.67	3478	parse_func.c	src.backend.parser
1	0.24	1637	nodeAgg.c	src.backend.executor
1	0.24	608	parse_agg.c	src.backend.parser

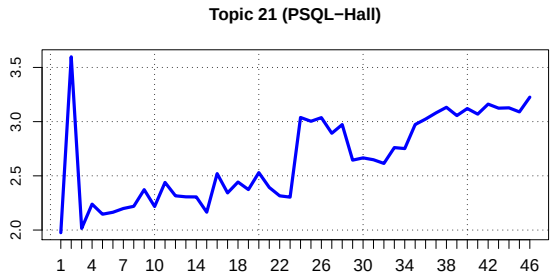
"agg agg", {*candid type oid arg agg aggreg current function func input list*}

Best matching topic evolution (Topic distance = 2.345, Evolution distance = 0.0068):



V	θ	Size	File	Package
31	0.71	3422	setrefs.c	src.backend.optimizer.plan
31	0.61	4175	planner.c	src.backend.optimizer.plan
31	0.57	3125	subselect.c	src.backend.optimizer.plan
31	0.47	7079	createplan.c	src.backend.optimizer.plan
20	0.69	3721	planner.c	src.backend.optimizer.plan
20	0.69	1989	setrefs.c	src.backend.optimizer.plan
20	0.55	2678	subselect.c	src.backend.optimizer.plan
20	0.51	5986	createplan.c	src.backend.optimizer.plan
3	0.76	1072	setrefs.c	src.backend.optimizer.plan
3	0.66	2194	planner.c	src.backend.optimizer.plan
3	0.63	1682	subselect.c	src.backend.optimizer.plan
3	0.42	746	planmain.c	src.backend.optimizer.plan

"plan plan", {*plan node tlist list pars subqueri qual subplan var group sort*}



V	θ	Size	File	Package
2	0.70	138	vartest.c	contrib.bit
2	0.68	944	common.c	src.bin.pg_dump
2	0.37	1019	pl_funcs.c	src.pl.plpgsql.src
2	0.30	87	lispsort.c	src.backend.lib
32	1.00	1354	common.c	src.bin.pg_dump
32	0.99	2281	pg_dump_sort.c	src.bin.pg_dump
32	0.35	1686	pl_funcs.c	src.pl.plpgsql.src
32	0.13	958	print.c	src.backend.nodes
1	0.72	138	vartest.c	contrib.bit
1	0.37	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.30	87	lispsort.c	src.backend.lib
1	0.13	567	print.c	src.backend.nodes

"ind printf", {*dump printf loop obj num tabl object oid parent info type*}

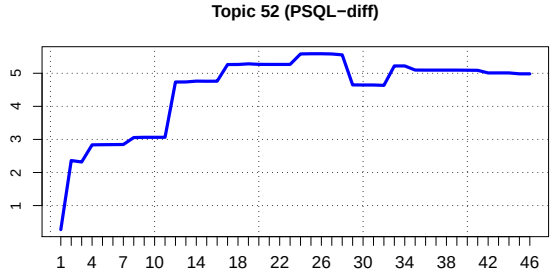
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
52	1.6056	0.1113
41	1.6805	0.0643
5	1.8873	0.0680

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
1	2.7141	0.0139
55	2.0331	0.0159
98	3.3895	0.0169

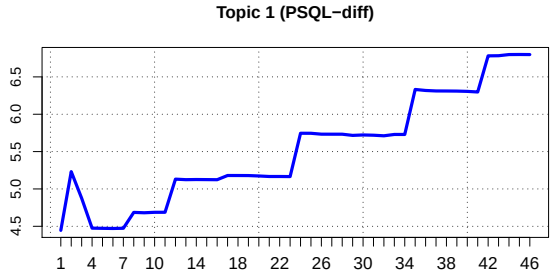
Best matching topic (Topic distance = 1.606, Evolution distance = 0.1113):



V	θ	Size	File	Package
26	0.83	15172	pg_dump.c	src.bin.pg_dump
26	0.59	3453	describe.c	src.bin.psql
26	0.49	249	findoidjoins.c	contrib.findoidjoins
26	0.42	1333	common.c	src.bin.pg_dump
42	0.82	19146	pg_dump.c	src.bin.pg_dump
42	0.59	251	findoidjoins.c	src.tools.findoidjoins
42	0.51	4711	describe.c	src.bin.psql
42	0.38	1672	dumputils.c	src.bin.pg_dump
1	0.16	155	findoidjoins.c	contrib.findoidjoins
1	0.09	1019	pl_funcs.c	src.pl.plpgsql.src
1	NA	NA	NA	NA
1	NA	NA	NA	NA

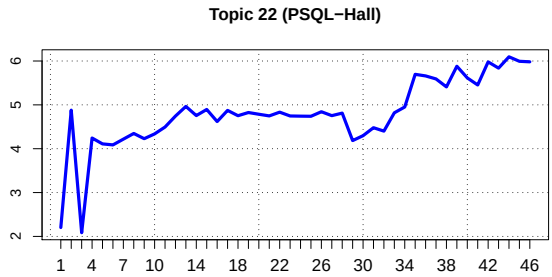
"append pqexp buffer", {*pqexp buffer oid dump append queri tabl catalog fout data select*}

Best matching topic evolution (Topic distance = 2.714, Evolution distance = 0.0139):



V	θ	Size	File	Package
45	0.83	2370	list.c	src.backend.nodes
45	0.50	192	dllist.c	src.backend.lib
45	0.16	869	prepqual.c	src.backend.optimizer.prep
45	0.13	472	tlist.c	src.backend.optimizer.util
2	0.77	602	list.c	src.backend.nodes
2	0.48	213	dllist.c	src.backend.lib
2	0.43	87	lispsort.c	src.backend.lib
2	0.23	225	tuplelist.c	src.interfaces.odbc
1	0.77	602	list.c	src.backend.nodes
1	0.48	213	dllist.c	src.backend.lib
1	0.43	87	lispsort.c	src.backend.lib
1	0.16	370	temprel.c	src.backend.utils.cache

"list list", {*list cell lfirst nil head foreach oid length lappend member prev*}



V	θ	Size	File	Package
44	0.99	4711	describe.c	src.bin.psql
44	0.70	541	pqexpbuffer.c	src.interfaces.libpq
44	0.59	251	findoidjoins.c	src.tools.findoidjoins
44	0.58	1672	dumputils.c	src.bin.pg_dump
14	0.99	2880	describe.c	src.bin.psql
14	0.70	511	pqexpbuffer.c	src.interfaces.libpq
14	0.66	175	dumputils.c	src.bin.pg_dump
14	0.51	35	retest.c	src.backend.regex
3	0.44	158	findoidjoins.c	contrib.findoidjoins
3	0.43	287	stringinfo.c	src.backend.lib
3	0.43	35	retest.c	src.backend.regex
3	0.28	36	format.c	src.backend.utils.error

"pqexp buffer", {*buffer buf pqexp append data oid catalog result count printf argv*}

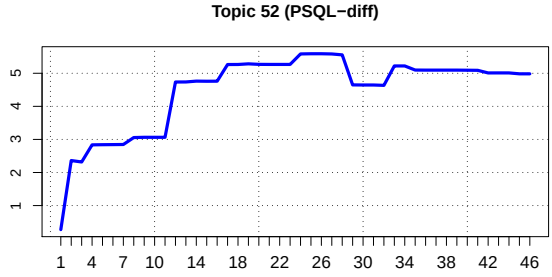
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
52	0.9720	0.0749
100	1.3274	0.0160
53	1.8099	0.0508

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
55	2.4319	0.0152
100	1.3274	0.0160
39	3.1499	0.0201

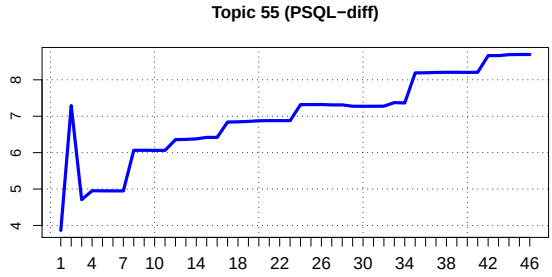
Best matching topic (Topic distance = 0.972, Evolution distance = 0.0749):



V	θ	Size	File	Package
26	0.83	15172	pg_dump.c	src.bin.pg_dump
26	0.59	3453	describe.c	src.bin.psql
26	0.49	249	findoidjoins.c	contrib.findoidjoins
26	0.42	1333	common.c	src.bin.pg_dump
42	0.82	19146	pg_dump.c	src.bin.pg_dump
42	0.59	251	findoidjoins.c	src.tools.findoidjoins
42	0.51	4711	describe.c	src.bin.psql
42	0.38	1672	dumputils.c	src.bin.pg_dump
1	0.16	155	findoidjoins.c	contrib.findoidjoins
1	0.09	1019	pl_funcs.c	src.pl.plpgsql.src
1	NA	NA	NA	NA
1	NA	NA	NA	NA

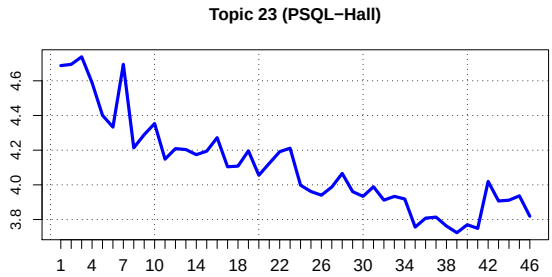
"append pqexp buffer", {*pqexp buffer oid dump append queri tabl catalog fout data select*}

Best matching topic evolution (Topic distance = 2.432, Evolution distance = 0.0152):



V	θ	Size	File	Package
45	0.38	612	pseudotypes.c	src.backend.utils.adt
45	0.35	1232	parse_type.c	src.backend.parser
45	0.33	4601	parse_coerce.c	src.backend.parser
45	0.30	593	domains.c	src.backend.utils.adt
30	0.37	502	pseudotypes.c	src.backend.utils.adt
30	0.34	897	parse_type.c	src.backend.parser
30	0.34	3988	parse_coerce.c	src.backend.parser
30	0.25	5437	typecmds.c	src.backend.commands
1	0.55	431	parse_type.c	src.backend.parser
1	0.36	1196	parse_coerce.c	src.backend.parser
1	0.30	1156	pg_type.c	src.backend.catalog
1	0.14	1030	parse_node.c	src.backend.parser

"type type", {*type oid typ typmod arrai elem domain input invalid base els*}



V	θ	Size	File	Package
3	0.99	1601	logtape.c	src.backend.utils.sort
3	0.86	59	smgrtype.c	src.backend.storage.smgr
3	0.86	682	smgr.c	src.backend.storage.smgr
3	0.72	1562	md.c	src.backend.storage.smgr
20	0.99	1606	logtape.c	src.backend.utils.sort
20	0.89	1012	smgr.c	src.backend.storage.smgr
20	0.85	1414	md.c	src.backend.storage.smgr
20	0.55	80	smgrtype.c	src.backend.storage.smgr
39	0.96	1776	logtape.c	src.backend.utils.sort
39	0.86	2483	md.c	src.backend.storage.smgr
39	0.82	2177	smgr.c	src.backend.storage.smgr
39	0.53	66	smgrtype.c	src.backend.storage.smgr

"block number", {*block relat smgr reln indirect number file rnode pend logic buffer*}

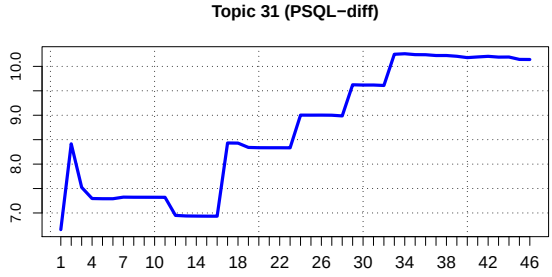
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
31	1.3217	0.0873
36	1.4472	0.3356
41	1.4526	0.2191

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
81	3.2357	0.0041
91	3.1869	0.0053
12	2.6874	0.0055

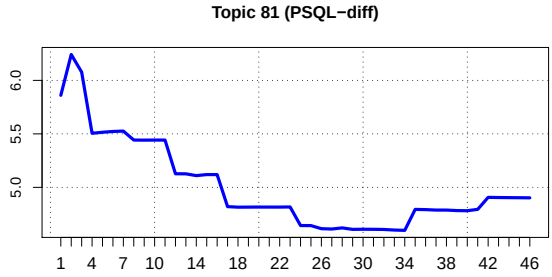
Best matching topic (Topic distance = 1.322, Evolution distance = 0.0873):



V	θ	Size	File	Package
34	0.60	1169	buffile.c	src.backend.storage.file
34	0.59	226	open.c	src.port
34	0.50	504	test_fsync.c	src.tools.fsync
34	0.43	218	copydir.c	src.port
17	0.60	1169	buffile.c	src.backend.storage.file
17	0.55	2142	fd.c	src.backend.storage.file
17	0.49	1414	md.c	src.backend.storage.smgr
17	0.39	80	smgrtype.c	src.backend.storage.smgr
1	0.62	1892	fd.c	src.backend.storage.file
1	0.61	1139	buffile.c	src.backend.storage.file
1	0.59	1539	md.c	src.backend.storage.smgr
1	0.58	59	smgrtype.c	src.backend.storage.smgr

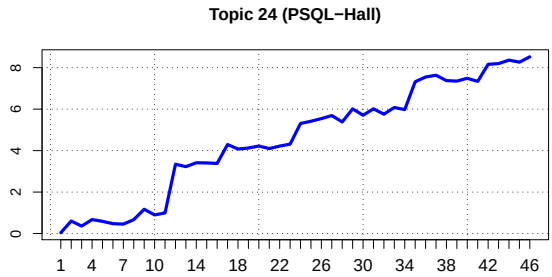
"file file", {*file filenam open write read close errno fail unlink seek fsync*}

Best matching topic evolution (Topic distance = 3.236, Evolution distance = 0.0041):



V	θ	Size	File	Package
2	0.28	5174	index.c	src.backend.catalog
2	0.28	36	indexnode.c	src.backend.optimizer.util
2	0.27	2071	indexcmds.c	src.backend.commands
2	0.25	998	hash.c	src.backend.access.hash
20	0.31	352	indexing.c	src.backend.catalog
20	0.25	4144	index.c	src.backend.catalog
20	0.19	1809	indexcmds.c	src.backend.commands
20	0.17	583	genam.c	src.backend.access.index
34	0.29	370	indexing.c	src.backend.catalog
34	0.24	4203	index.c	src.backend.catalog
34	0.17	563	genam.c	src.backend.access.index
34	0.17	2499	indexcmds.c	src.backend.commands

"index index", {*index tupl relat pred number info kei build predic reindex form*}



V	θ	Size	File	Package
46	1.00	3474	tablefunc.c	contrib.tablefunc
46	0.71	4222	dblink.c	contrib.dblink
46	0.61	1387	xpath.c	contrib.xml2
46	0.60	705	wparser.c	src.backend.tsearch
23	1.00	3575	tablefunc.c	contrib.tablefunc
23	0.74	3771	dblink.c	contrib.dblink
23	0.49	1086	wparser.c	contrib.tsearch2
23	0.45	371	lockfuncs.c	src.backend.utils.adt
1	0.02	1069	nodeTee.c	src.backend.executor._deadcode
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"srf funcctx", {*tupl tupdesc text funcctx call valu function error sql context datum*}

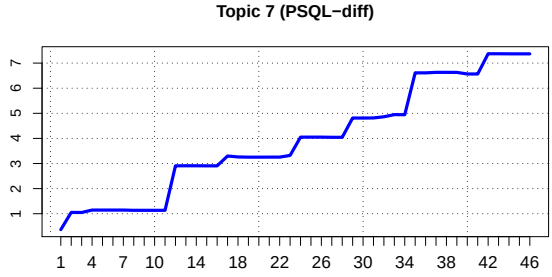
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
7	0.4860	0.0233
27	1.3654	0.7653
57	1.4398	0.7195

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
7	0.4860	0.0233
66	2.1663	0.0643
37	2.8775	0.0775

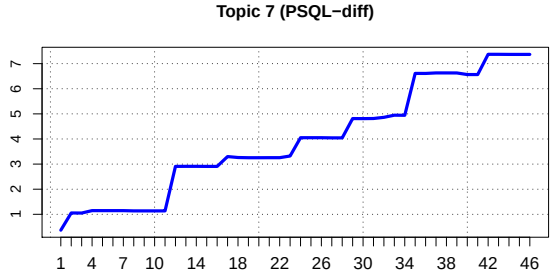
Best matching topic (Topic distance = 0.486, Evolution distance = 0.0233):



V	θ	Size	File	Package
42	0.58	3474	tablefunc.c	contrib.tablefunc
42	0.49	705	wparser.c	src.backend.tsearch
42	0.48	524	pg_buffercache_pages.c	contrib.pg_buffercache
42	0.47	897	pg_freespacemap.c	contrib.pg_freespacemap
23	0.59	3575	tablefunc.c	contrib.tablefunc
23	0.43	371	lockfuncs.c	src.backend.utils.adt
23	0.34	1086	wparser.c	contrib.tsearch2
23	0.23	470	pgstattuple.c	contrib.pgstattuple
1	0.17	1208	tupdesc.c	src.backend.access.common
1	0.08	2519	inv_api.c	src.backend.storage.large_object
1	0.04	696	be-fsstubs.c	src.backend.libpq
1	NA	NA	NA	NA

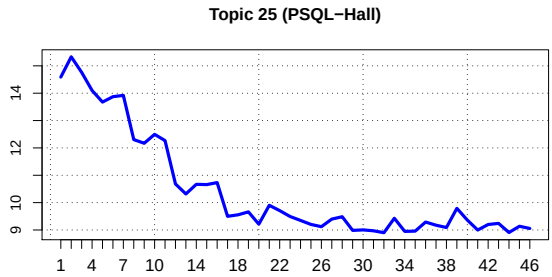
"tupl desc", {*desc tupl tupdesc valu funcctx call context fctx result srf memori*}

Best matching topic evolution (Topic distance = 0.486, Evolution distance = 0.0233):



V	θ	Size	File	Package
42	0.58	3474	tablefunc.c	contrib.tablefunc
42	0.49	705	wparser.c	src.backend.tsearch
42	0.48	524	pg_buffercache_pages.c	contrib.pg_buffercache
42	0.47	897	pg_freespacemap.c	contrib.pg_freespacemap
23	0.59	3575	tablefunc.c	contrib.tablefunc
23	0.43	371	lockfuncs.c	src.backend.utils.adt
23	0.34	1086	wparser.c	contrib.tsearch2
23	0.23	470	pgstattuple.c	contrib.pgstattuple
1	0.17	1208	tupdesc.c	src.backend.access.common
1	0.08	2519	inv_api.c	src.backend.storage.large_object
1	0.04	696	be-fsstubs.c	src.backend.libpq
1	NA	NA	NA	NA

"tupl desc", {*desc tupl tupdesc valu funcctx call context fctx result srf memori*}



V	θ	Size	File	Package
2	0.75	4903	relcache.c	src.backend.utils.cache
2	0.73	5174	index.c	src.backend.catalog
2	0.67	810	cluster.c	src.backend.commands
2	0.58	359	rewriteRemove.c	src.backend.rewrite
28	1.00	183	rewriteSupport.c	src.backend.rewrite
28	0.78	352	indexing.c	src.backend.catalog
28	0.78	8124	relcache.c	src.backend.utils.cache
28	0.74	4121	index.c	src.backend.catalog
32	1.00	181	rewriteSupport.c	src.backend.rewrite
32	0.80	8096	relcache.c	src.backend.utils.cache
32	0.75	4211	index.c	src.backend.catalog
32	0.71	370	indexing.c	src.backend.catalog

"relat relat", {*relat index rel heap tupl oid info scan lock attribut access*}

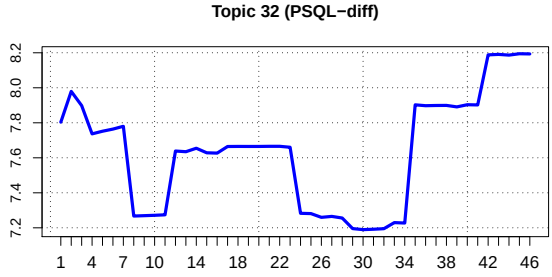
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
32	0.5314	0.0729
6	0.5835	0.0134
81	0.7695	0.0248

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
18	4.0584	0.0047
90	2.3871	0.0091
6	0.5835	0.0134

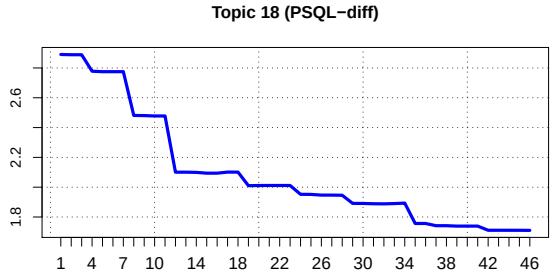
Best matching topic (Topic distance = 0.531, Evolution distance = 0.0729):



V	θ	Size	File	Package
45	0.56	799	toasting.c	src.backend.catalog
45	0.51	117	lockcmds.c	src.backend.commands
45	0.36	900	catalog.c	src.backend.catalog
45	0.35	5369	heap.c	src.backend.catalog
19	0.52	108	lockcmds.c	src.backend.commands
19	0.38	4546	heap.c	src.backend.catalog
19	0.36	2105	cluster.c	src.backend.commands
19	0.36	282	catalog.c	src.backend.catalog
30	0.50	111	lockcmds.c	src.backend.commands
30	0.36	4480	heap.c	src.backend.catalog
30	0.35	2142	cluster.c	src.backend.commands
30	0.33	8038	relcache.c	src.backend.utils.cache

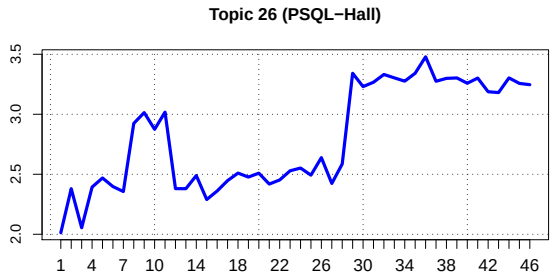
"relat relat", {*relat rel oid tabl relid relnam lock relkind check system open*}

Best matching topic evolution (Topic distance = 4.058, Evolution distance = 0.0047):



V	θ	Size	File	Package
1	0.69	4151	pl_gram.c	src.pl.plpgsql.src
1	0.49	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.48	2343	pl_comp.c	src.pl.plpgsql.src
1	0.36	4814	pl_exec.c	src.pl.plpgsql.src
24	0.69	6044	pl_gram.c	src.pl.plpgsql.src
24	0.45	1612	pl_funcs.c	src.pl.plpgsql.src
24	0.34	3663	pl_comp.c	src.pl.plpgsql.src
24	0.22	8521	pl_exec.c	src.pl.plpgsql.src
46	0.54	5586	pl_gram.c	src.pl.plpgsql.src
46	0.44	1868	pl_funcs.c	src.pl.plpgsql.src
46	0.32	4157	pl_comp.c	src.pl.plpgsql.src
46	0.20	10388	pl_exec.c	src.pl.plpgsql.src

"plpgsql plpgsql", {*plpgsql sql stmt var row rec dtype expr new variabl lineno*}



V	θ	Size	File	Package
36	0.98	2343	inval.c	src.backend.utils.cache
36	0.80	698	sinvaladt.c	src.backend.storage.ipc
36	0.37	60	twophase_rmgr.c	src.backend.access.transam
36	0.32	714	sinval.c	src.backend.storage.ipc
28	0.99	2042	inval.c	src.backend.utils.cache
28	0.81	719	sinvaladt.c	src.backend.storage.ipc
28	0.20	2287	sinval.c	src.backend.storage.ipc
28	0.10	932	pqformat.c	src.backend.libpq
1	0.70	1918	inval.c	src.backend.utils.cache
1	0.61	823	sinvaladt.c	src.backend.storage.ipc
1	0.32	787	sinval.c	src.backend.storage.ipc
1	0.19	73	util.c	src.backend.libpq

"invalid messag", {*invalid msg messag backend seg cach list inval info chunk relat*}

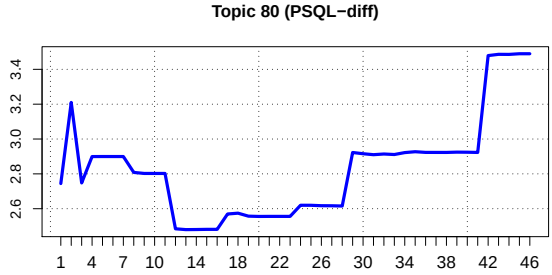
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
80	1.0001	0.0317
41	1.7063	0.0581
32	1.7246	0.0528

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
11	4.3545	0.0130
59	2.6376	0.0168
31	2.5359	0.0186

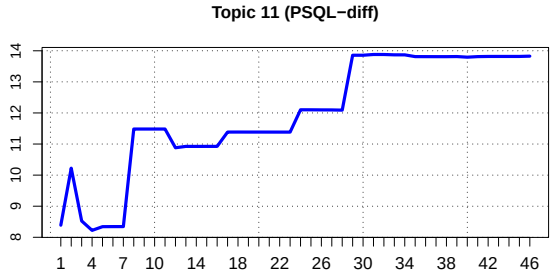
Best matching topic (Topic distance = 1.000, Evolution distance = 0.0317):



V	θ	Size	File	Package
45	0.57	3971	catcache.c	src.backend.utils.cache
45	0.46	2694	inval.c	src.backend.utils.cache
45	0.24	155	superuser.c	src.backend.utils.misc
45	0.20	1330	syscache.c	src.backend.utils.cache
8	0.59	2540	catcache.c	src.backend.utils.cache
8	0.56	1198	inval.c	src.backend.utils.cache
8	0.19	938	syscache.c	src.backend.utils.cache
8	0.19	59	IPAddress.java	contrib.retep.uk.org.retep.util.misc
13	0.61	3764	catcache.c	src.backend.utils.cache
13	0.54	1474	inval.c	src.backend.utils.cache
13	0.22	1181	syscache.c	src.backend.utils.cache
13	0.11	2015	fd.c	src.backend.storage.file

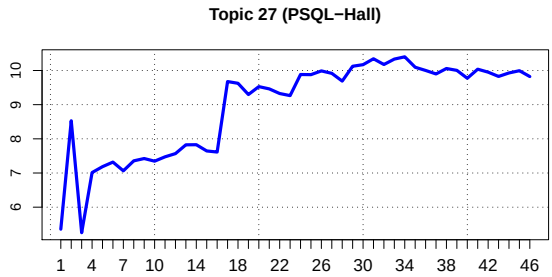
"cach cach", {*cach invalid relat messag entri tupl debug cat local index pointer*}

Best matching topic evolution (Topic distance = 4.355, Evolution distance = 0.0130):



V	θ	Size	File	Package
31	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
31	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
31	0.79	825	geqo_erx.c	src.backend.optimizer.geqo
31	0.75	103	geqo_px.c	src.backend.optimizer.geqo
9	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
9	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
9	0.80	836	geqo_erx.c	src.backend.optimizer.geqo
9	0.75	103	geqo_px.c	src.backend.optimizer.geqo
4	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
4	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
4	0.80	836	geqo_erx.c	src.backend.optimizer.geqo
4	0.75	103	geqo_px.c	src.backend.optimizer.geqo

"kei kei", {*kei tabl salt edg for crypt left gene encrypt orig set*}



V	θ	Size	File	Package
34	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
34	0.25	1324	regc_lex.c	src.backend.regex
34	0.24	79	tstshm.c	src.backend.port.qnx4
34	0.22	181	tstsem.c	src.backend.port.qnx4
17	0.30	91	scansup.c	src.backend.parser
17	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
17	0.26	1324	regc_lex.c	src.backend.regex
17	0.23	148	regerror.c	src.backend.regex
3	0.27	91	scansup.c	src.backend.parser
3	0.23	81	tstshm.c	src.backend.port.qnx4
3	0.23	141	hashfn.c	src.backend.utils.hash
3	0.22	86	bool.c	src.backend.utils.adt

"break case", {*case break switch default type error els set tag function code*}

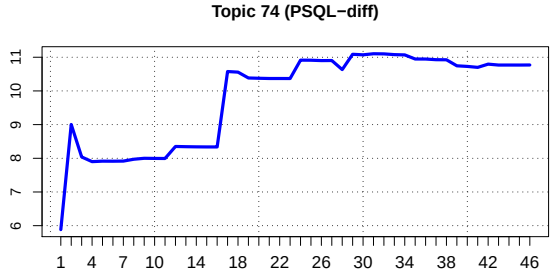
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
74	0.1099	0.0030
55	2.4568	0.0146
41	2.4828	0.0415

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
74	0.1099	0.0030
85	3.0817	0.0094
98	3.9440	0.0103

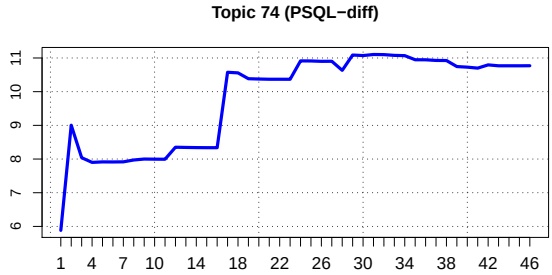
Best matching topic (Topic distance = 0.110, Evolution distance = 0.0030):



V	θ	Size	File	Package
31	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
31	0.26	79	tstshm.c	src.backend.port.qnx4
31	0.25	1324	regc_lex.c	src.backend.regex
31	0.22	181	tstsem.c	src.backend.port.qnx4
17	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
17	0.26	91	scansup.c	src.backend.parser
17	0.26	79	tstshm.c	src.backend.port.qnx4
17	0.25	1324	regc_lex.c	src.backend.regex
1	0.26	91	scansup.c	src.backend.parser
1	0.26	81	tstshm.c	src.backend.port.qnx4
1	0.26	86	bool.c	src.backend.utils.adt
1	0.23	173	tstsem.c	src.backend.port.qnx4

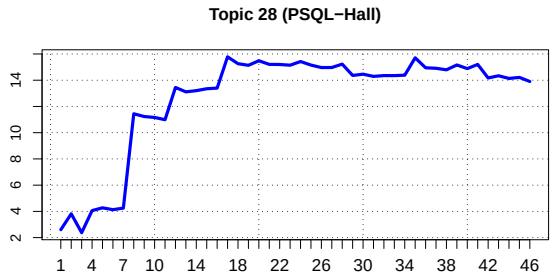
"break case", {*case break switch default type function while els unknown error code*}

Best matching topic evolution (Topic distance = 0.110, Evolution distance = 0.0030):



V	θ	Size	File	Package
31	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
31	0.26	79	tstshm.c	src.backend.port.qnx4
31	0.25	1324	regc_lex.c	src.backend.regex
31	0.22	181	tstsem.c	src.backend.port.qnx4
17	0.29	140	typename.c	src.interfaces.ecpg.ecpglib
17	0.26	91	scansup.c	src.backend.parser
17	0.26	79	tstshm.c	src.backend.port.qnx4
17	0.25	1324	regc_lex.c	src.backend.regex
1	0.26	91	scansup.c	src.backend.parser
1	0.26	81	tstshm.c	src.backend.port.qnx4
1	0.26	86	bool.c	src.backend.utils.adt
1	0.23	173	tstsem.c	src.backend.port.qnx4

"break case", {*case break switch default type function while els unknown error code*}



V	θ	Size	File	Package
17	1.00	577	crypt-des.c	contrib.pgcrypto
17	1.00	354	md5.c	contrib.pgcrypto
17	1.00	286	sha1.c	contrib.pgcrypto
17	1.00	72	crc32.c	contrib.tsearch2
33	1.00	573	crypt-des.c	contrib.pgcrypto
33	1.00	381	md5.c	contrib.pgcrypto
33	1.00	296	sha1.c	contrib.pgcrypto
33	1.00	72	crc32.c	contrib.tsearch2
3	0.76	268	big5.c	src.backend.utils.mb
3	0.47	208	hashfunc.c	src.backend.access.hash
3	0.35	141	hashfn.c	src.backend.utils.hash
3	0.16	402	pqformat.c	src.backend.libpq

"uint uint", {*ctxt uint kei defin round len tab bit xff tmp for*}

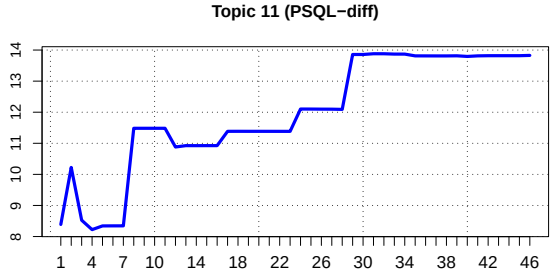
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
11	1.5158	0.1013
41	1.8965	0.0964
22	1.9361	0.1372

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
86	3.3990	0.0146
52	2.6105	0.0381
85	2.4477	0.0658

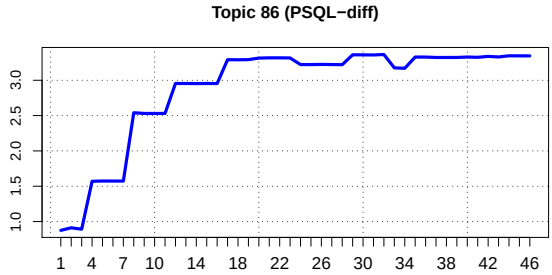
Best matching topic (Topic distance = 1.516, Evolution distance = 0.1013):



V	θ	Size	File	Package
31	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
31	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
31	0.79	825	geqo_erx.c	src.backend.optimizer.geqo
31	0.75	103	geqo_px.c	src.backend.optimizer.geqo
9	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
9	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
9	0.80	836	geqo_erx.c	src.backend.optimizer.geqo
9	0.75	103	geqo_px.c	src.backend.optimizer.geqo
4	0.85	55	geqo_mutation.c	src.backend.optimizer.geqo
4	0.85	81	geqo_ox1.c	src.backend.optimizer.geqo
4	0.80	836	geqo_erx.c	src.backend.optimizer.geqo
4	0.75	103	geqo_px.c	src.backend.optimizer.geqo

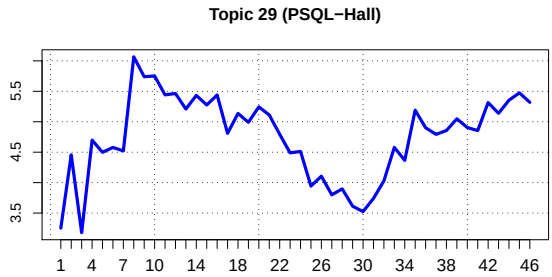
"kei kei", {*kei tabl salt edg for crypt left gene encrypt orig set*}

Best matching topic evolution (Topic distance = 3.399, Evolution distance = 0.0146):



V	θ	Size	File	Package
32	0.59	5677	pgstat.c	src.backend.postmaster
32	0.44	842	pgstatfuncs.c	src.backend.utils.adt
32	0.31	4058	analyze.c	src.backend.commands
32	0.31	96	qsort.c	src.port
26	0.55	4916	pgstat.c	src.backend.postmaster
26	0.46	693	pgstatfuncs.c	src.backend.utils.adt
26	0.30	99	qsort.c	src.port
26	0.30	4012	analyze.c	src.backend.commands
1	0.34	707	stats.c	src.backend.access.heap
1	0.15	6246	vacuum.c	src.backend.commands
1	0.13	295	entab.c	src.tools.entab
1	0.10	823	sinvaladt.c	src.backend.storage.ipc

"stat stat", {*stat pgstat statist msg cnt backend len tabl count collector messag*}



V	θ	Size	File	Package
8	0.98	3476	fmgr.c	src.backend.utils.fmgr
8	0.83	78	fcache.c	src.backend.utils.cache
8	0.49	265	pl_handler.c	src.pl.plpgsql.src
8	0.46	549	fastpath.c	src.backend.tcop
41	0.96	4750	fmgr.c	src.backend.utils.fmgr
41	0.33	1175	fastpath.c	src.backend.tcop
41	0.26	235	scankey.c	src.backend.access.common
41	0.25	2233	functions.c	src.backend.executor
3	0.45	234	pl_handler.c	src.pl.plpgsql.src
3	0.35	579	fcache.c	src.backend.utils.cache
3	0.27	541	fastpath.c	src.backend.tcop
3	0.27	1853	fmgr.c	src.backend.utils.fmgr

"function call", {*arg fcinfo function datum info result call func oid fmgr flinfo*}

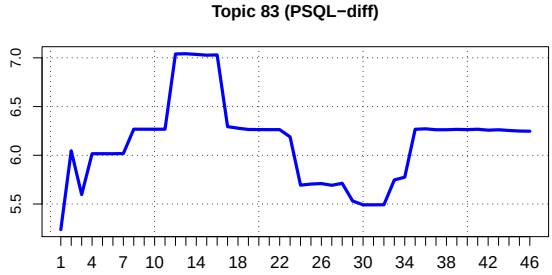
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
83	0.3676	0.0201
88	1.4748	0.3418
76	1.6630	0.0721

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
83	0.3676	0.0201
25	3.0319	0.0342
5	2.6266	0.0346

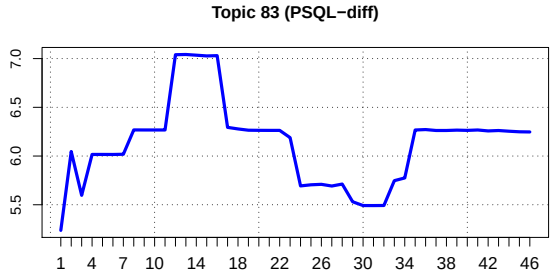
Best matching topic (Topic distance = 0.368, Evolution distance = 0.0201):



V	θ	Size	File	Package
13	0.66	3749	fmgr.c	src.backend.utils.fmgr
13	0.60	267	pl_handler.c	src.pl.plpgsql.src
13	0.50	230	funcapi.c	src.backend.utils.fmgr
13	0.46	102	fcache.c	src.backend.utils.cache
42	0.61	4912	fmgr.c	src.backend.utils.fmgr
42	0.46	409	pl_handler.c	src.pl.plpgsql.src
42	0.31	1173	fastpath.c	src.backend.tcop
42	0.31	2279	functions.c	src.backend.executor
1	0.52	234	pl_handler.c	src.pl.plpgsql.src
1	0.50	579	fcache.c	src.backend.utils.cache
1	0.40	618	pg_proc.c	src.backend.catalog
1	0.29	256	sets.c	src.backend.utils.adt

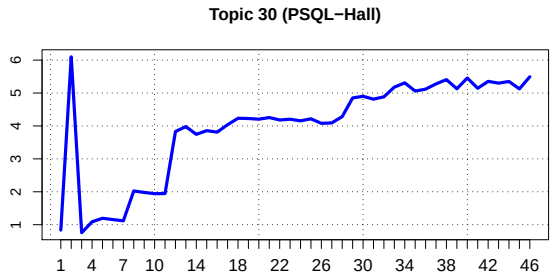
"function call", {*function func fcinfo arg proc call oid procedur fmgr info datum*}

Best matching topic evolution (Topic distance = 0.368, Evolution distance = 0.0201):



V	θ	Size	File	Package
13	0.66	3749	fmgr.c	src.backend.utils.fmgr
13	0.60	267	pl_handler.c	src.pl.plpgsql.src
13	0.50	230	funcapi.c	src.backend.utils.fmgr
13	0.46	102	fcache.c	src.backend.utils.cache
42	0.61	4912	fmgr.c	src.backend.utils.fmgr
42	0.46	409	pl_handler.c	src.pl.plpgsql.src
42	0.31	1173	fastpath.c	src.backend.tcop
42	0.31	2279	functions.c	src.backend.executor
1	0.52	234	pl_handler.c	src.pl.plpgsql.src
1	0.50	579	fcache.c	src.backend.utils.cache
1	0.40	618	pg_proc.c	src.backend.catalog
1	0.29	256	sets.c	src.backend.utils.adt

"function call", {*function func fcinfo arg proc call oid procedur fmgr info datum*}



V	θ	Size	File	Package
2	0.45	214	pglobject.cc	src.interfaces.libpq++
2	0.28	109	PGobject.java	src.interfaces.jdbc.postgresql.util
2	0.25	69	beard.c	src.tutorial
2	0.23	109	PGobject.java	src.interfaces.jdbc.org.postgresql.util
25	0.90	4033	dependency.c	src.backend.catalog
25	0.82	461	pg_depend.c	src.backend.catalog
25	0.82	1026	pg_constraint.c	src.backend.catalog
25	0.69	241	pg_largeobject.c	src.backend.catalog
3	0.20	2519	inv_api.c	src.backend.storage.large_object
3	0.17	69	beard.c	src.tutorial
3	0.11	696	be-fsstubs.c	src.backend.libpq
3	0.07	327	lo.c	contrib.lo

"larg object", {*object depend heap address constraint scan relat rel obj desc kei*}

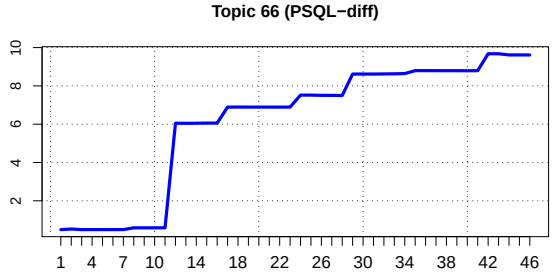
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
66	0.5853	0.1709
6	0.9645	0.7548
32	1.2811	0.2917

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
10	4.4105	0.0778
63	2.9834	0.0918
48	3.9814	0.0988

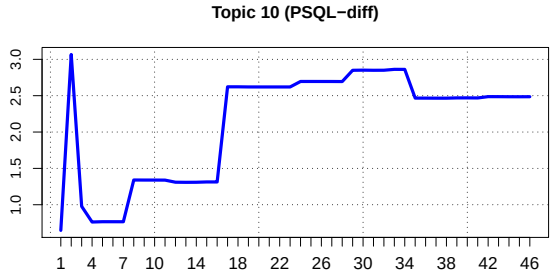
Best matching topic (Topic distance = 0.585, Evolution distance = 0.1709):



V	θ	Size	File	Package
42	0.69	1251	pg_depend.c	src.backend.catalog
42	0.64	1427	pg_constraint.c	src.backend.catalog
42	0.62	2946	pg_shdepend.c	src.backend.catalog
42	0.58	5166	dependency.c	src.backend.catalog
18	0.73	453	pg_depend.c	src.backend.catalog
18	0.66	1001	pg_constraint.c	src.backend.catalog
18	0.63	4006	dependency.c	src.backend.catalog
18	0.48	578	proclang.c	src.backend.commands
3	0.23	356	proclang.c	src.backend.commands
3	0.10	256	sets.c	src.backend.utils.adt
3	0.05	2244	pg_operator.c	src.backend.catalog
3	0.04	1156	pg_type.c	src.backend.catalog

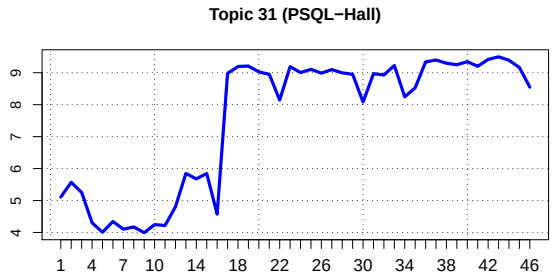
"object datum", {*object depend oid rel tup heap owner relat constraint datum form*}

Best matching topic evolution (Topic distance = 4.411, Evolution distance = 0.0778):



V	θ	Size	File	Package
2	0.26	69	tuple.c	src.interfaces.odbc
2	0.23	195	pgdatabase.cc	src.interfaces.libpq++
2	0.23	217	columninfo.c	src.interfaces.odbc
2	0.22	1032	fe-print.c	src.interfaces.libpq
45	0.43	5250	equalfuncs.c	src.backend.nodes
45	0.33	5649	outfuncs.c	src.backend.nodes
45	0.25	8075	copyfuncs.c	src.backend.nodes
45	0.24	2285	readfuncs.c	src.backend.nodes
1	0.10	415	mpgsql.c	contrib.mSQL-interface
1	0.10	1016	portal.c	src.backend.libpq
1	0.07	156	not_in.c	src.backend.utils.adt
1	0.07	87	lispsort.c	src.backend.lib

"write field", {*field compar write scalar copi expr row equal oid bitmapset node*}



V	θ	Size	File	Package
43	1.00	7	wstrcmp.c	src.backend.utils.mb
43	0.96	2301	regcomp.c	src.backend.regex
43	0.96	1253	regexec.c	src.backend.regex
43	0.95	506	rege_dfa.c	src.backend.regex
21	1.00	7	wstrcmp.c	src.backend.utils.mb
21	0.96	1237	regexec.c	src.backend.regex
21	0.96	2299	regcomp.c	src.backend.regex
21	0.95	506	rege_dfa.c	src.backend.regex
9	0.88	1152	engine.c	src.backend.regex
9	0.87	39	regfree.c	src.backend.regex
9	0.74	1710	regcomp.c	src.backend.regex
9	0.64	172	regerror.c	src.backend.regex

"chr note reg", {*chr reg state assert struct end var for defin flag start*}

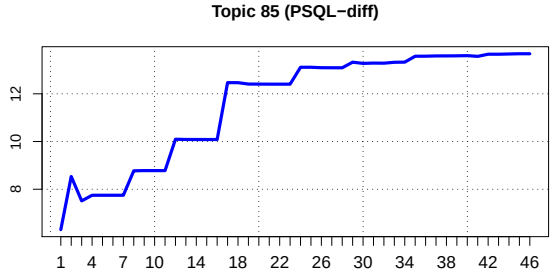
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
85	0.5777	0.0282
41	1.5775	0.0484
95	1.8697	0.0374

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
70	2.7909	0.0163
85	0.5777	0.0282
48	2.4614	0.0318

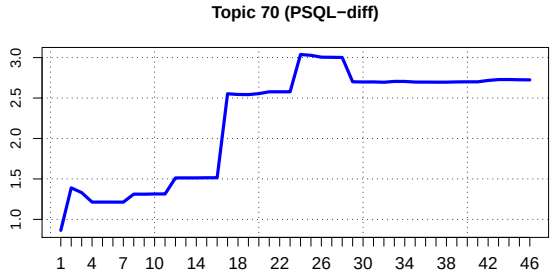
Best matching topic (Topic distance = 0.578, Evolution distance = 0.0282):



V	θ	Size	File	Package
45	1.00	7	wstrcmp.c	src.backend.utils.mb
45	0.80	110	regc_cvec.c	src.backend.regex
45	0.72	506	rege_dfa.c	src.backend.regex
45	0.71	1253	regexec.c	src.backend.regex
17	1.00	7	wstrcmp.c	src.backend.utils.mb
17	0.80	110	regc_cvec.c	src.backend.regex
17	0.72	506	rege_dfa.c	src.backend.regex
17	0.72	1237	regexec.c	src.backend.regex
1	0.81	1248	engine.c	src.backend.regex
1	0.73	1909	regcomp.c	src.backend.regex
1	0.63	27	wstrncmp.c	src.backend.utils.mb
1	0.60	230	regerror.c	src.backend.regex

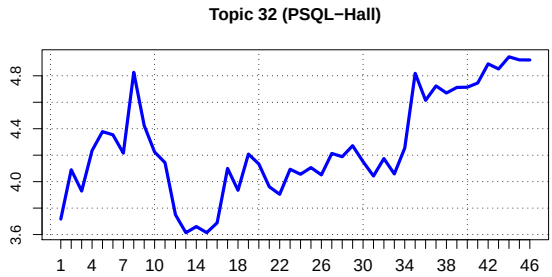
"chr chr", {*match end start reg chr assert charact pars pattern quot wchar*}

Best matching topic evolution (Topic distance = 2.791, Evolution distance = 0.0163):



V	θ	Size	File	Package
24	0.76	3915	pg_autovacuum.c	contrib.pg_autovacuum
24	0.48	4576	tab-complete.c	src.bin.psql
24	0.32	41	pgsleep.c	src.port
24	0.16	131	geqo_cx.c	src.backend.optimizer.geqo
23	0.80	2327	pg_autovacuum.c	contrib.pg_autovacuum
23	0.44	3837	tab-complete.c	src.bin.psql
23	0.16	131	geqo_cx.c	src.backend.optimizer.geqo
23	0.14	184	dirmod.c	src.port
1	0.17	95	arrayutils.c	src.backend.utils.adt
1	0.16	131	geqo_cx.c	src.backend.optimizer.geqo
1	0.13	213	dllist.c	src.backend.lib
1	0.12	76	common.c	src.backend.utils.mb

"strcasecmp prev", {*vacuum prev list tabl arg strcasecmp complet tbl cost servic databas*}



V	θ	Size	File	Package
44	0.91	16896	tablecmds.c	src.backend.commands
44	0.68	5369	heap.c	src.backend.catalog
44	0.59	799	toasting.c	src.backend.catalog
44	0.48	1100	view.c	src.backend.commands
28	0.92	14380	tablecmds.c	src.backend.commands
28	0.77	4506	heap.c	src.backend.catalog
28	0.42	884	view.c	src.backend.commands
28	0.29	4978	typecmds.c	src.backend.commands
13	0.92	8287	tablecmds.c	src.backend.commands
13	0.65	4261	heap.c	src.backend.catalog
13	0.38	835	view.c	src.backend.commands
13	0.27	558	preptlist.c	src.backend.optimizer.prep

"exclus lock", {*relat rel tabl oid constraint heap tupl attribut column index list*}

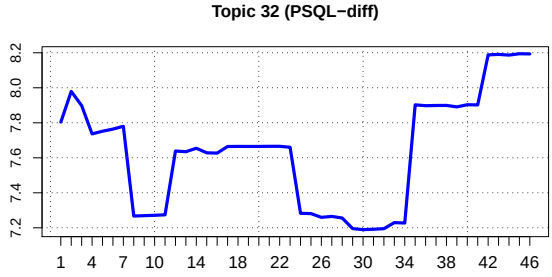
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
32	0.5242	0.0136
5	0.7416	0.0194
66	0.8042	0.5831

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
80	2.0582	0.0089
3	2.2417	0.0092
28	2.4156	0.0099

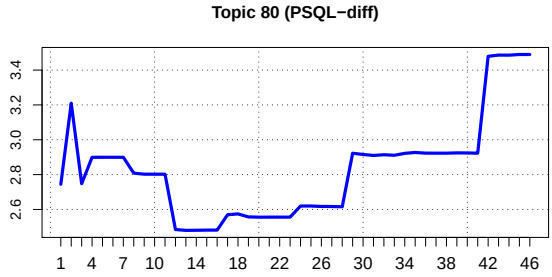
Best matching topic (Topic distance = 0.524, Evolution distance = 0.0136):



V	θ	Size	File	Package
45	0.56	799	toasting.c	src.backend.catalog
45	0.51	117	lockcmds.c	src.backend.commands
45	0.36	900	catalog.c	src.backend.catalog
45	0.35	5369	heap.c	src.backend.catalog
19	0.52	108	lockcmds.c	src.backend.commands
19	0.38	4546	heap.c	src.backend.catalog
19	0.36	2105	cluster.c	src.backend.commands
19	0.36	282	catalog.c	src.backend.catalog
30	0.50	111	lockcmds.c	src.backend.commands
30	0.36	4480	heap.c	src.backend.catalog
30	0.35	2142	cluster.c	src.backend.commands
30	0.33	8038	relcache.c	src.backend.utils.cache

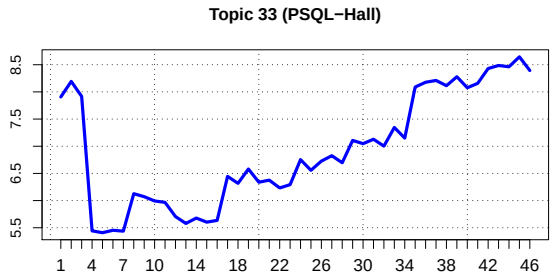
"relat relat", {*relat rel oid tabl relid relnam lock relkind check system open*}

Best matching topic evolution (Topic distance = 2.058, Evolution distance = 0.0089):



V	θ	Size	File	Package
45	0.57	3971	catcache.c	src.backend.utils.cache
45	0.46	2694	inval.c	src.backend.utils.cache
45	0.24	155	superuser.c	src.backend.utils.misc
45	0.20	1330	syscache.c	src.backend.utils.cache
8	0.59	2540	catcache.c	src.backend.utils.cache
8	0.56	1198	inval.c	src.backend.utils.cache
8	0.19	938	syscache.c	src.backend.utils.cache
8	0.19	59	IPAddress.java	contrib.retep.uk.org.retep.util.misc
13	0.61	3764	catcache.c	src.backend.utils.cache
13	0.54	1474	inval.c	src.backend.utils.cache
13	0.22	1181	syscache.c	src.backend.utils.cache
13	0.11	2015	fd.c	src.backend.storage.file

"cach cach", {*cach invalid relat messag entri tupl debug cat local index pointer*}



V	θ	Size	File	Package
45	1.00	659	inet_net_ntop.c	src.backend.utils.adt
45	1.00	648	inet_net_pton.c	src.backend.utils.adt
45	0.88	103	inet_aton.c	src.port
45	0.88	694	ip.c	src.backend.libpq
26	1.00	648	inet_net_pton.c	src.backend.utils.adt
26	1.00	655	inet_net_ntop.c	src.backend.utils.adt
26	0.89	107	inet_aton.c	src.port
26	0.78	674	ip.c	src.backend.libpq
5	1.00	447	inet_net_pton.c	src.backend.utils.adt
5	1.00	305	inet_net_ntop.c	src.backend.utils.adt
5	0.88	105	inet_aton.c	src.backend.port
5	0.80	1007	network.c	src.backend.utils.adt

"inet inet", {*bit inet dst addr src mask size network famili tmp els*}

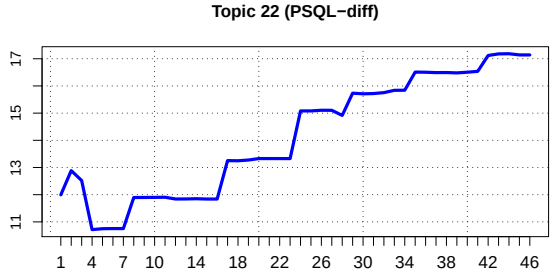
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
22	1.4805	0.0158
38	1.8158	0.0347
41	1.8249	0.0796

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
43	3.6262	0.0075
22	1.4805	0.0158
1	4.5430	0.0164

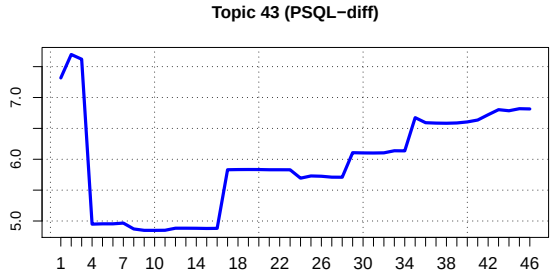
Best matching topic (Topic distance = 1.480, Evolution distance = 0.0158):



V	θ	Size	File	Package
44	0.71	77	strtoul.c	src.port
44	0.60	158	strtol.c	src.port
44	0.54	454	utilities.c	src.backend.snowball.libstemmer
44	0.46	33	ialloc.c	src.timezone
20	0.70	79	strtoul.c	src.port
20	0.67	140	strtol.c	src.port
20	0.64	423	utilities.c	contrib.tsearch2.snowball
20	0.62	66	api.c	contrib.tsearch2.snowball
4	0.74	140	strtol.c	src.backend.port
4	0.70	79	strtoul.c	src.backend.port
4	0.60	65	bit.c	src.backend.lib
4	0.36	61	Varray.c	src.backend.tioga

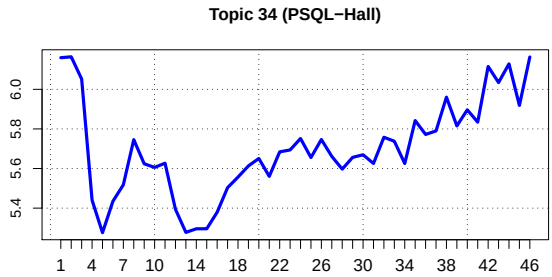
"size size", {*size bit max els min for length offset number byte set*}

Best matching topic evolution (Topic distance = 3.626, Evolution distance = 0.0075):



V	θ	Size	File	Package
2	0.85	2180	portalmem.c	src.backend.utils.mmgr
2	0.80	54	enbl.c	src.backend.utils.init
2	0.76	275	fstack.c	src.backend.lib
2	0.73	1150	mcxt.c	src.backend.utils.mmgr
18	0.55	1371	mcxt.c	src.backend.utils.mmgr
18	0.36	1148	portalmem.c	src.backend.utils.mmgr
18	0.28	47	assert.c	src.backend.utils.error
18	0.21	107	memory.c	src.interfaces.ecpg.ecpglib
10	0.57	1112	mcxt.c	src.backend.utils.mmgr
10	0.53	543	portalmem.c	src.backend.utils.mmgr
10	0.20	769	be-fsstubs.c	src.backend.libpq
10	0.19	2428	aset.c	src.backend.utils.mmgr

"memori context", {*context memori portal alloc pointer stack cxt oldcontext valid heap oldcxt*}



V	θ	Size	File	Package
2	1.00	227	var.c	src.backend.optimizer.util
2	0.85	1670	rewriteManip.c	src.backend.rewrite
2	0.71	125	nodeFuncs.c	src.backend.nodes
2	0.53	1072	setrefs.c	src.backend.optimizer.plan
27	1.00	1268	var.c	src.backend.optimizer.util
27	1.00	2234	rewriteManip.c	src.backend.rewrite
27	0.94	80	nodeFuncs.c	src.backend.nodes
27	0.53	1948	setrefs.c	src.backend.optimizer.plan
5	0.99	2106	rewriteManip.c	src.backend.rewrite
5	0.96	561	var.c	src.backend.optimizer.util
5	0.61	127	nodeFuncs.c	src.backend.nodes
5	0.51	1358	setrefs.c	src.backend.optimizer.plan

"var var", {*node var context queri expr walker varno tree refer join subqueri*}

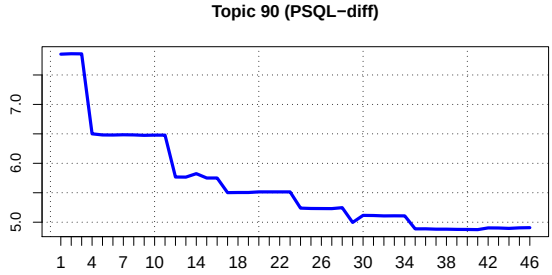
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
90	0.8045	0.0503
78	1.1501	0.0105
92	1.3086	0.0298

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
57	3.0448	0.0024
29	3.5821	0.0027
32	2.3497	0.0041

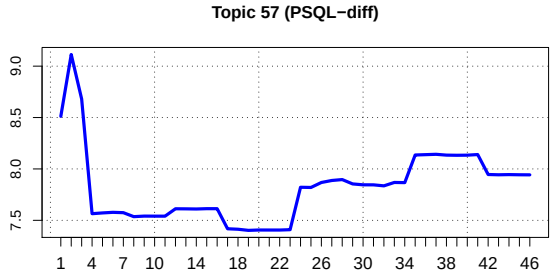
Best matching topic (Topic distance = 0.805, Evolution distance = 0.0503):



V	θ	Size	File	Package
2	0.84	4404	rewriteHandler.c	src.backend.rewrite
2	0.84	1670	rewriteManip.c	src.backend.rewrite
2	0.53	596	view.c	src.backend.commands
2	0.51	401	locks.c	src.backend.rewrite
28	0.63	2234	rewriteManip.c	src.backend.rewrite
28	0.58	3304	rewriteHandler.c	src.backend.rewrite
28	0.40	609	preptlist.c	src.backend.optimizer.prep
28	0.35	1268	var.c	src.backend.optimizer.util
41	0.60	2210	rewriteManip.c	src.backend.rewrite
41	0.50	4293	rewriteHandler.c	src.backend.rewrite
41	0.36	1067	view.c	src.backend.commands
41	0.35	1263	var.c	src.backend.optimizer.util

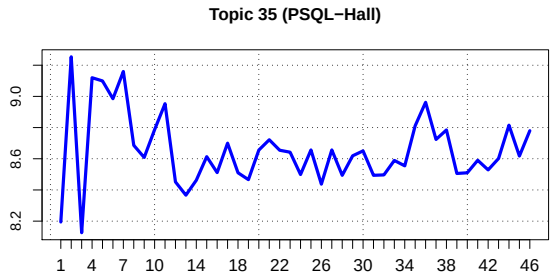
"queri queri", {*queri node rule target context list resdom tle qual entri rewrit*}

Best matching topic evolution (Topic distance = 3.045, Evolution distance = 0.0024):



V	θ	Size	File	Package
2	0.66	1422	heaptuple.c	src.backend.access.common
2	0.58	624	indextuple.c	src.backend.access.common
2	0.56	36	tuptoaster.c	src.backend.access.heap
2	0.44	1208	tupdesc.c	src.backend.access.common
32	0.68	3190	heaptuple.c	src.backend.access.common
32	0.56	632	indextuple.c	src.backend.access.common
32	0.53	2658	tuptoaster.c	src.backend.access.heap
32	0.42	1053	tupdesc.c	src.backend.access.common
19	0.61	1369	heaptuple.c	src.backend.access.common
19	0.57	606	indextuple.c	src.backend.access.common
19	0.51	2232	tuptoaster.c	src.backend.access.heap
19	0.38	1442	tupdesc.c	src.backend.access.common

"heap tupl", {*tupl attr attribut datum att heap attnum natt number desc tup*}



V	θ	Size	File	Package
2	0.99	736	nodeNestloop.c	src.backend.executor
2	0.94	2471	nodeMergejoin.c	src.backend.executor
2	0.88	480	nodeResult.c	src.backend.executor
2	0.82	920	nodeGroup.c	src.backend.executor
45	0.99	887	nodeNestloop.c	src.backend.executor
45	0.93	3189	nodeMergejoin.c	src.backend.executor
45	0.92	487	nodeGroup.c	src.backend.executor
45	0.85	549	nodeResult.c	src.backend.executor
3	1.00	736	nodeNestloop.c	src.backend.executor
3	0.93	2471	nodeMergejoin.c	src.backend.executor
3	0.86	480	nodeResult.c	src.backend.executor
3	0.83	920	nodeGroup.c	src.backend.executor

"econtext ecxt", {*tupl exec node slot outer econtext state plan expr result join*}

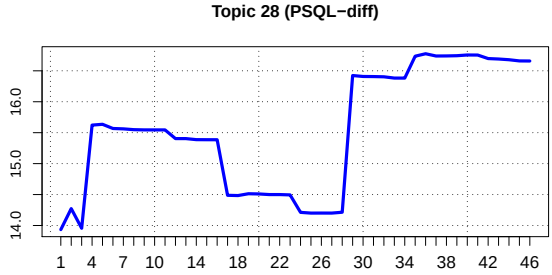
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
28	0.2172	0.0088
78	1.5996	0.0070
41	1.6860	0.1487

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
29	3.1875	0.0037
32	2.8241	0.0044
57	2.3924	0.0062

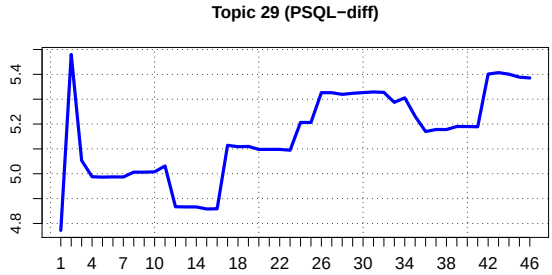
Best matching topic (Topic distance = 0.217, Evolution distance = 0.0088):



V	θ	Size	File	Package
36	0.82	887	nodeNestloop.c	src.backend.executor
36	0.77	411	nodeUnique.c	src.backend.executor
36	0.75	489	nodeResult.c	src.backend.executor
36	0.68	570	nodeMaterial.c	src.backend.executor
9	0.90	834	nodeNestloop.c	src.backend.executor
9	0.87	473	nodeUnique.c	src.backend.executor
9	0.84	476	nodeResult.c	src.backend.executor
9	0.82	3297	nodeMergejoin.c	src.backend.executor
1	0.94	449	nodeUnique.c	src.backend.executor
1	0.94	736	nodeNestloop.c	src.backend.executor
1	0.88	480	nodeResult.c	src.backend.executor
1	0.82	2471	nodeMergejoin.c	src.backend.executor

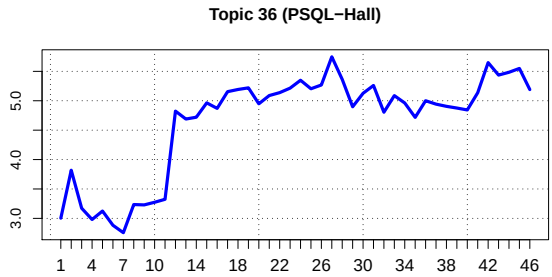
"exec eval", {*exec tupl node slot estat plan outer tabl econtext state result*}

Best matching topic evolution (Topic distance = 3.188, Evolution distance = 0.0037):



V	θ	Size	File	Package
2	0.81	570	localbuf.c	src.backend.storage.buffer
2	0.75	5443	bufmgr.c	src.backend.storage.buffer
2	0.66	632	freelist.c	src.backend.storage.buffer
2	0.58	628	buf_init.c	src.backend.storage.buffer
36	0.67	1034	localbuf.c	src.backend.storage.buffer
36	0.65	5153	bufmgr.c	src.backend.storage.buffer
36	0.59	381	buf_init.c	src.backend.storage.buffer
36	0.38	562	freelist.c	src.backend.storage.buffer
1	0.81	570	localbuf.c	src.backend.storage.buffer
1	0.75	5414	bufmgr.c	src.backend.storage.buffer
1	0.66	632	freelist.c	src.backend.storage.buffer
1	0.58	628	buf_init.c	src.backend.storage.buffer

"buffer buffer", {*buffer buf hdr dirti block count flag tag num write local*}



V	θ	Size	File	Package
27	0.97	3777	namespace.c	src.backend.catalog
27	0.83	2175	regproc.c	src.backend.utils.adt
27	0.36	532	name.c	src.backend.utils.adt
27	0.35	334	catalog.c	src.backend.catalog
20	0.98	3525	namespace.c	src.backend.catalog
20	0.82	2182	regproc.c	src.backend.utils.adt
20	0.34	282	catalog.c	src.backend.catalog
20	0.33	527	name.c	src.backend.utils.adt
7	0.31	408	catalog.c	src.backend.catalog
7	0.31	719	temprel.c	src.backend.utils.cache
7	0.29	285	varsup.c	src.backend.access.transam
7	0.28	537	oid.c	src.backend.utils.adt

"oid oid", {*oid list result path search temp name datum invalid visibl valid*}

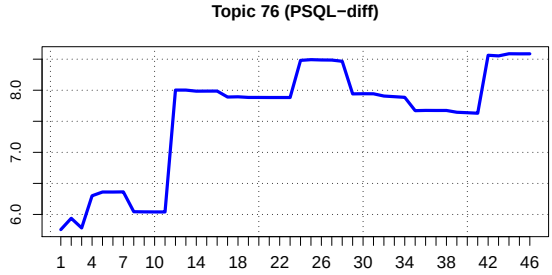
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
76	0.6423	0.0157
32	1.5284	0.0781
41	1.6113	0.0560

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
76	0.6423	0.0157
85	2.3249	0.0158
60	3.0515	0.0165

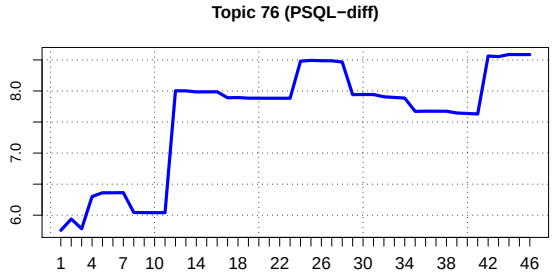
Best matching topic (Topic distance = 0.642, Evolution distance = 0.0157):



V	θ	Size	File	Package
44	0.53	4514	lsyscache.c	src.backend.utils.cache
44	0.47	5958	namespace.c	src.backend.catalog
44	0.40	751	enum.c	src.backend.utils.adt
44	0.37	2506	regproc.c	src.backend.utils.adt
19	0.56	3366	lsyscache.c	src.backend.utils.cache
19	0.46	3525	namespace.c	src.backend.catalog
19	0.39	574	typcache.c	src.backend.utils.cache
19	0.37	63	superuser.c	src.backend.utils.misc
1	0.54	1088	lsyscache.c	src.backend.utils.cache
1	0.50	24	superuser.c	src.backend.utils.misc
1	0.36	431	parse_type.c	src.backend.parser
1	0.28	36	format.c	src.backend.utils.error

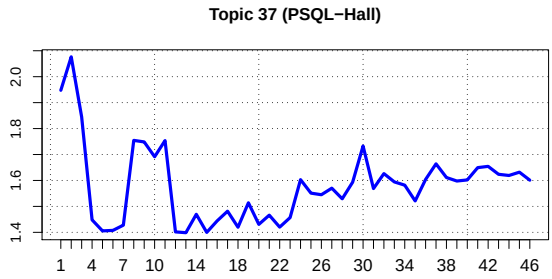
"oid oid", {*oid cach datum tupl form search object valid heap tup invalid*}

Best matching topic evolution (Topic distance = 0.642, Evolution distance = 0.0157):



V	θ	Size	File	Package
44	0.53	4514	lsyscache.c	src.backend.utils.cache
44	0.47	5958	namespace.c	src.backend.catalog
44	0.40	751	enum.c	src.backend.utils.adt
44	0.37	2506	regproc.c	src.backend.utils.adt
19	0.56	3366	lsyscache.c	src.backend.utils.cache
19	0.46	3525	namespace.c	src.backend.catalog
19	0.39	574	typcache.c	src.backend.utils.cache
19	0.37	63	superuser.c	src.backend.utils.misc
1	0.54	1088	lsyscache.c	src.backend.utils.cache
1	0.50	24	superuser.c	src.backend.utils.misc
1	0.36	431	parse_type.c	src.backend.parser
1	0.28	36	format.c	src.backend.utils.error

"oid oid", {*oid cach datum tupl form search object valid heap tup invalid*}



V	θ	Size	File	Package
2	0.99	4010	trigger.c	src.backend.commands
2	0.20	241	noup.c	contrib.noupdate
2	0.17	219	moddatetime.c	contrib.spi
2	0.16	766	rewriteDefine.c	src.backend.rewrite
34	1.00	6798	trigger.c	src.backend.commands
34	0.10	610	socket.c	src.backend.port.win32
34	0.09	319	rewriteRemove.c	src.backend.rewrite
34	0.07	1458	rewriteDefine.c	src.backend.rewrite
13	0.99	4652	trigger.c	src.backend.commands
13	0.09	312	rewriteRemove.c	src.backend.rewrite
13	0.06	8287	tablecmds.c	src.backend.commands
13	0.06	790	txtidx.c	contrib.tsearch

"trigger trigger", {*trigger event tupl data relat heap state rel constraint set context*}

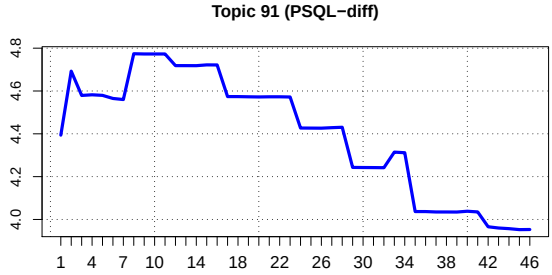
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
91	0.7482	0.0307
6	1.0395	0.1171
32	1.2383	0.0212

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
67	3.1510	0.0071
57	1.9556	0.0094
94	3.1359	0.0110

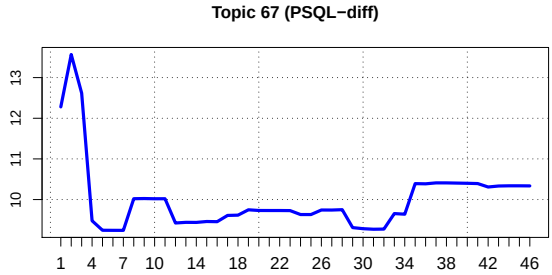
Best matching topic (Topic distance = 0.748, Evolution distance = 0.0307):



V	θ	Size	File	Package
8	0.63	6105	ri_triggers.c	src.backend.utils.adt
8	0.43	222	moddatetime.c	contrib.spi
8	0.41	234	autoinc.c	contrib.spi
8	0.41	1266	refint.c	contrib.spi
27	0.58	7017	ri_triggers.c	src.backend.utils.adt
27	0.42	6424	trigger.c	src.backend.commands
27	0.39	257	moddatetime.c	contrib.spi
27	0.39	258	autoinc.c	contrib.spi
45	0.43	7691	ri_triggers.c	src.backend.utils.adt
45	0.40	8082	trigger.c	src.backend.commands
45	0.39	259	moddatetime.c	contrib.spi
45	0.38	260	autoinc.c	contrib.spi

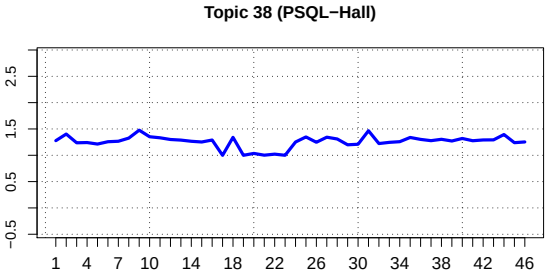
"trigger trigger", {*trigger event rel trigdata row kei tgarg match updat defer check*}

Best matching topic evolution (Topic distance = 3.151, Evolution distance = 0.0071):



V	θ	Size	File	Package
2	0.82	1038	varchar.c	src.backend.utils.adt
2	0.76	96	nbtcompare.c	src.backend.access.nbtree
2	0.70	609	int.c	src.backend.utils.adt
2	0.70	109	char.c	src.backend.utils.adt
20	0.59	116	common.c	contrib.tsearch2
20	0.56	1141	varchar.c	src.backend.utils.adt
20	0.42	282	char.c	src.backend.utils.adt
20	0.40	1071	oracle_compat.c	src.backend.utils.adt
7	0.65	1413	varchar.c	src.backend.utils.adt
7	0.54	1198	varlena.c	src.backend.utils.adt
7	0.41	268	name.c	src.backend.utils.adt
7	0.41	242	char.c	src.backend.utils.adt

"len len", {*len arg varhdrsz varsiz vardata text bytea palloc char varatt length*}



V	θ	Size	File	Package
9	1.00	2531	pl_comp.c	src.pl.plpgsql.src
9	0.33	265	pl_handler.c	src.pl.plpgsql.src
9	0.15	108	HBATableModel.java	contrib.retep.uk.org.retep.util.models
9	NA	NA	NA	NA
39	0.97	4236	pl_comp.c	src.pl.plpgsql.src
39	0.24	408	pl_handler.c	src.pl.plpgsql.src
39	0.04	1149	dfmgr.c	src.backend.utils.fmgr
39	0.02	5352	pl_gram.c	src.pl.plpgsql.src
17	1.00	3518	pl_comp.c	src.pl.plpgsql.src
17	NA	NA	NA	NA
17	NA	NA	NA	NA
17	NA	NA	NA	NA

"plpgsql compil", {*plpgsql var type function sql word row datum error oid dtype*}

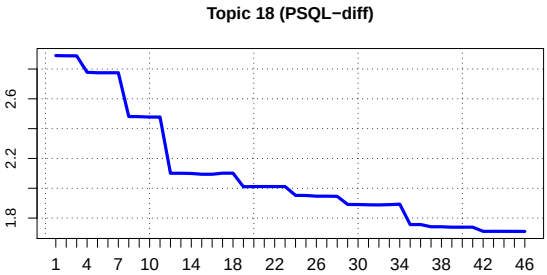
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
18	0.9880	0.0803
83	1.3240	0.0290
76	1.3429	0.0553

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
57	1.8910	0.0144
29	3.2177	0.0181
28	2.7353	0.0184

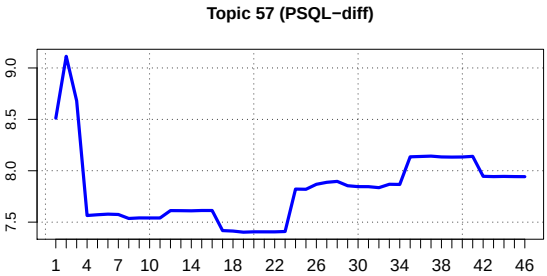
Best matching topic (Topic distance = 0.988, Evolution distance = 0.0803):



V	θ	Size	File	Package
1	0.69	4151	pl_gram.c	src.pl.plpgsql.src
1	0.49	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.48	2343	pl_comp.c	src.pl.plpgsql.src
1	0.36	4814	pl_exec.c	src.pl.plpgsql.src
24	0.69	6044	pl_gram.c	src.pl.plpgsql.src
24	0.45	1612	pl_funcs.c	src.pl.plpgsql.src
24	0.34	3663	pl_comp.c	src.pl.plpgsql.src
24	0.22	8521	pl_exec.c	src.pl.plpgsql.src
46	0.54	5586	pl_gram.c	src.pl.plpgsql.src
46	0.44	1868	pl_funcs.c	src.pl.plpgsql.src
46	0.32	4157	pl_comp.c	src.pl.plpgsql.src
46	0.20	10388	pl_exec.c	src.pl.plpgsql.src

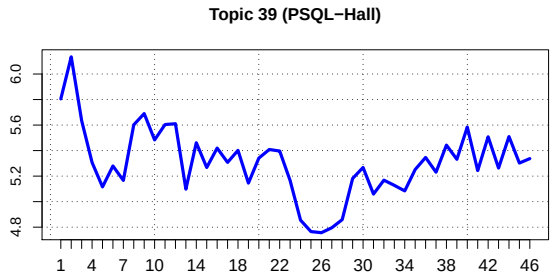
"plpgsql plpgsql", {*plpgsql sql stmt var row rec dtype expr new variabl lineno*}

Best matching topic evolution (Topic distance = 1.891, Evolution distance = 0.0144):



V	θ	Size	File	Package
2	0.66	1422	heaptuple.c	src.backend.access.common
2	0.58	624	indextuple.c	src.backend.access.common
2	0.56	36	tuptoaster.c	src.backend.access.heap
2	0.44	1208	tupdesc.c	src.backend.access.common
32	0.68	3190	heaptuple.c	src.backend.access.common
32	0.56	632	indextuple.c	src.backend.access.common
32	0.53	2658	tuptoaster.c	src.backend.access.heap
32	0.42	1053	tupdesc.c	src.backend.access.common
19	0.61	1369	heaptuple.c	src.backend.access.common
19	0.57	606	indextuple.c	src.backend.access.common
19	0.51	2232	tuptoaster.c	src.backend.access.heap
19	0.38	1442	tupdesc.c	src.backend.access.common

"heap tupl", {*tupl attr attribut datum att heap attnum natt number desc tup*}



V	θ	Size	File	Package
2	0.95	570	localbuf.c	src.backend.storage.buffer
2	0.94	5443	bufmgr.c	src.backend.storage.buffer
2	0.89	632	freelist.c	src.backend.storage.buffer
2	0.74	628	buf_init.c	src.backend.storage.buffer
45	0.95	6276	bufmgr.c	src.backend.storage.buffer
45	0.83	1060	localbuf.c	src.backend.storage.buffer
45	0.77	381	buf_init.c	src.backend.storage.buffer
45	0.66	1081	freelist.c	src.backend.storage.buffer
26	0.97	4971	bufmgr.c	src.backend.storage.buffer
26	0.87	526	localbuf.c	src.backend.storage.buffer
26	0.83	426	buf_init.c	src.backend.storage.buffer
26	0.49	1766	freelist.c	src.backend.storage.buffer

"buffer buffer", {*buffer buf hdr lock block local count tag flag dirti relat*}

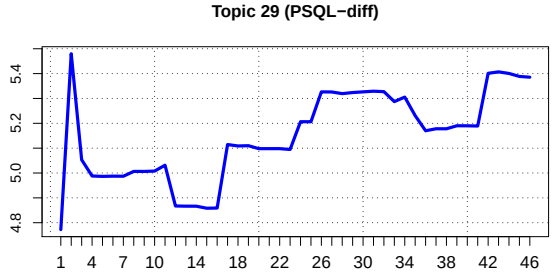
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
29	0.1445	0.0100
72	1.4201	0.0252
41	1.5288	0.1701

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
32	1.7557	0.0056
57	3.1501	0.0068
81	3.8624	0.0079

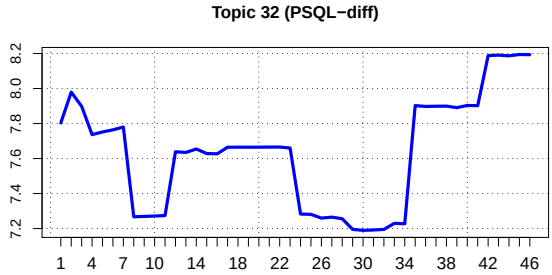
Best matching topic (Topic distance = 0.144, Evolution distance = 0.0100):



V	θ	Size	File	Package
2	0.81	570	localbuf.c	src.backend.storage.buffer
2	0.75	5443	bufmgr.c	src.backend.storage.buffer
2	0.66	632	freelist.c	src.backend.storage.buffer
2	0.58	628	buf_init.c	src.backend.storage.buffer
36	0.67	1034	localbuf.c	src.backend.storage.buffer
36	0.65	5153	bufmgr.c	src.backend.storage.buffer
36	0.59	381	buf_init.c	src.backend.storage.buffer
36	0.38	562	freelist.c	src.backend.storage.buffer
1	0.81	570	localbuf.c	src.backend.storage.buffer
1	0.75	5414	bufmgr.c	src.backend.storage.buffer
1	0.66	632	freelist.c	src.backend.storage.buffer
1	0.58	628	buf_init.c	src.backend.storage.buffer

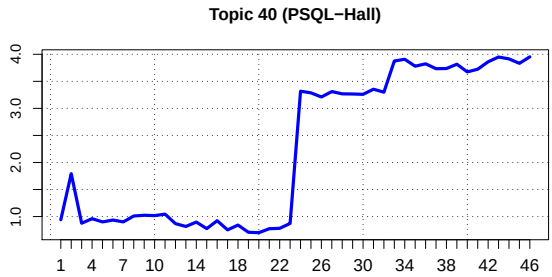
"buffer buffer", {*buffer buf hdr dirti block count flag tag num write local*}

Best matching topic evolution (Topic distance = 1.756, Evolution distance = 0.0056):



V	θ	Size	File	Package
45	0.56	799	toasting.c	src.backend.catalog
45	0.51	117	lockcmds.c	src.backend.commands
45	0.36	900	catalog.c	src.backend.catalog
45	0.35	5369	heap.c	src.backend.catalog
19	0.52	108	lockcmds.c	src.backend.commands
19	0.38	4546	heap.c	src.backend.catalog
19	0.36	2105	cluster.c	src.backend.commands
19	0.36	282	catalog.c	src.backend.catalog
30	0.50	111	lockcmds.c	src.backend.commands
30	0.36	4480	heap.c	src.backend.catalog
30	0.35	2142	cluster.c	src.backend.commands
30	0.33	8038	relcache.c	src.backend.utils.cache

"relat relat", {*relat rel oid tabl relid relnam lock relkind check system open*}



V	θ	Size	File	Package
46	0.89	1795	resowner.c	src.backend.utils.resowner
46	0.85	1379	dmetaphone.c	contrib.fuzzystrmatch
46	0.60	296	variables.c	src.bin.psql
46	0.33	377	complex.c	src.tutorial
2	0.79	177	variables.c	src.bin.psql
2	0.54	189	complex.c	src.tutorial
2	0.06	754	ImageViewer.java	src.interfaces.jdbc.example
2	0.05	86	funcs.c	src.tutorial
20	0.62	266	variables.c	src.bin.psql
20	0.05	407	pg_locale.c	src.backend.utils.adt
20	0.02	431	createdb.c	src.bin.scripts
20	NA	NA	NA	NA

"resourc owner", {*owner current resourc add origin primari els releas secondari complex buffer*}

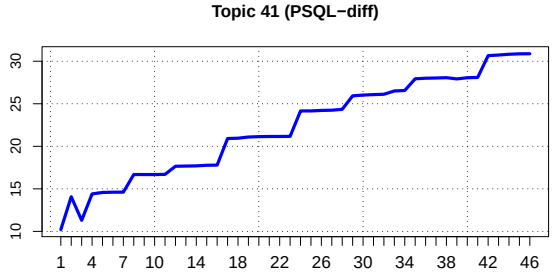
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
41	1.9161	0.3443
75	1.9250	1.1907
77	1.9359	0.2392

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
24	3.0762	0.1054
7	2.5017	0.2130
37	3.0452	0.2135

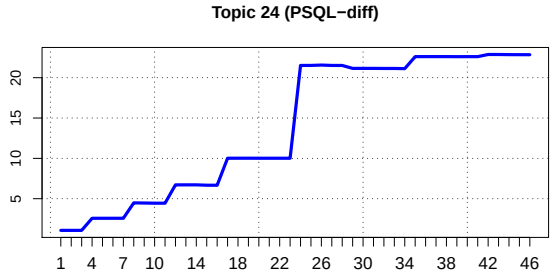
Best matching topic (Topic distance = 1.916, Evolution distance = 0.3443):



V	θ	Size	File	Package
46	0.53	63	unsetenv.c	src.port
46	0.49	12	regfree.c	src.backend.regex
46	0.30	714	sinval.c	src.backend.storage.ipc
46	0.22	178	system.c	src.backend.port.darwin
23	0.49	12	regfree.c	src.backend.regex
23	0.28	43	hashfn.c	src.backend.utils.hash
23	0.27	200	dllinit.c	src.utils
23	0.23	135	pmsignal.c	src.backend.storage.ipc
1	0.26	50	misc.c	src.backend.utils.adt
1	0.23	95	excid.c	src.backend.utils.error
1	0.19	141	hashfn.c	src.backend.utils.hash
1	0.16	836	pg_lzcompress.c	src.backend.utils.adt

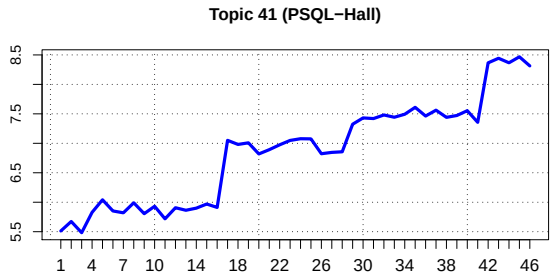
"don bother", {*note check set don code pass call make caller assum time*}

Best matching topic evolution (Topic distance = 3.076, Evolution distance = 0.1054):



V	θ	Size	File	Package
42	0.93	510	btree_utils_num.c	contrib.btree_gist
42	0.88	389	tsquery_gist.c	src.backend.utils.adt
42	0.76	247	btree_float8.c	contrib.btree_gist
42	0.76	856	_ltree_gist.c	contrib.ltree
19	0.87	138	btree_common.c	contrib.btree_gist
19	0.80	841	_ltree_gist.c	contrib.ltree
19	0.76	1090	ltree_gist.c	contrib.ltree
19	0.74	954	_int_gist.c	contrib.intarray
2	0.55	44	itemptr.c	src.backend.storage.page
2	0.19	2784	gist.c	src.backend.access.gist
2	0.15	2133	rtree.c	src.backend.access.rtree
2	0.07	836	pg_lzcompress.c	src.backend.utils.adt

"gistentri entri gistentri", {*pointer datum spl kei entri gbt gistentri number gist size offset*}



V	θ	Size	File	Package
45	0.80	2996	dynahash.c	src.backend.utils.hash
45	0.61	132	hashfn.c	src.backend.utils.hash
45	0.51	331	buf_table.c	src.backend.storage.buffer
45	0.41	1781	nodeHash.c	src.backend.executor
18	0.90	1636	dynahash.c	src.backend.utils.hash
18	0.81	43	hashfn.c	src.backend.utils.hash
18	0.41	1357	nodeHash.c	src.backend.executor
18	0.40	252	buf_table.c	src.backend.storage.buffer
3	0.75	1718	dynahash.c	src.backend.utils.hash
3	0.75	52	hasht.c	src.backend.lib
3	0.39	276	buf_table.c	src.backend.storage.buffer
3	0.38	1400	nodeHash.c	src.backend.executor

"hash tabl", {*hash bucket entri tabl hashtabl kei elem found uint overflow search*}

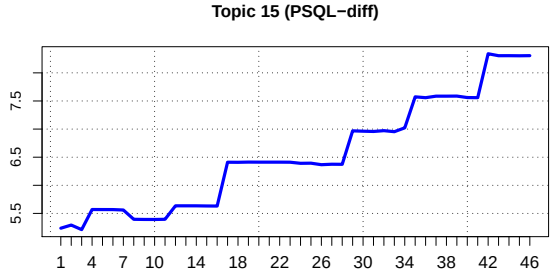
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
15	0.2321	0.0032
41	1.6838	0.0432
22	2.1421	0.0077

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
15	0.2321	0.0032
98	3.2596	0.0053
64	2.5040	0.0065

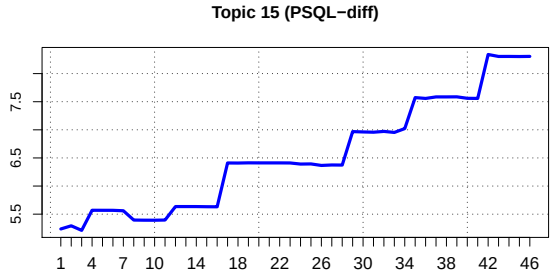
Best matching topic (Topic distance = 0.232, Evolution distance = 0.0032):



V	θ	Size	File	Package
42	0.50	2996	dynahash.c	src.backend.utils.hash
42	0.43	132	hashfn.c	src.backend.utils.hash
42	0.37	543	ginbulk.c	src.backend.access.gin
42	0.35	331	buf_table.c	src.backend.storage.buffer
17	0.58	1636	dynahash.c	src.backend.utils.hash
17	0.42	43	hashfn.c	src.backend.utils.hash
17	0.38	1357	nodeHash.c	src.backend.executor
17	0.38	252	buf_table.c	src.backend.storage.buffer
3	0.60	52	hasht.c	src.backend.lib
3	0.54	1718	dynahash.c	src.backend.utils.hash
3	0.41	276	buf_table.c	src.backend.storage.buffer
3	0.36	1400	nodeHash.c	src.backend.executor

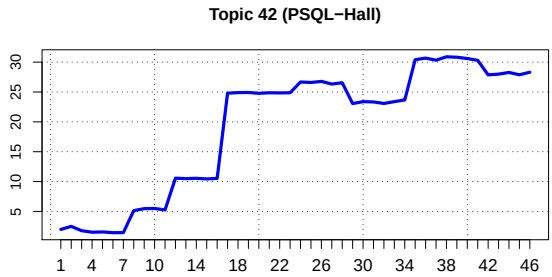
"hash tabl", {*hash entri bucket tabl hashtabl found search ctl seq uint memori*}

Best matching topic evolution (Topic distance = 0.232, Evolution distance = 0.0032):



V	θ	Size	File	Package
42	0.50	2996	dynahash.c	src.backend.utils.hash
42	0.43	132	hashfn.c	src.backend.utils.hash
42	0.37	543	ginbulk.c	src.backend.access.gin
42	0.35	331	buf_table.c	src.backend.storage.buffer
17	0.58	1636	dynahash.c	src.backend.utils.hash
17	0.42	43	hashfn.c	src.backend.utils.hash
17	0.38	1357	nodeHash.c	src.backend.executor
17	0.38	252	buf_table.c	src.backend.storage.buffer
3	0.60	52	hasht.c	src.backend.lib
3	0.54	1718	dynahash.c	src.backend.utils.hash
3	0.41	276	buf_table.c	src.backend.storage.buffer
3	0.36	1400	nodeHash.c	src.backend.executor

"hash tabl", {*hash entri bucket tabl hashtabl found search ctl seq uint memori*}



V	θ	Size	File	Package
38	0.97	648	ltree_io.c	contrib.ltree
38	0.95	1017	_int_bool.c	contrib.intarray
38	0.95	247	prs_dcfg.c	contrib.tsearch2
38	0.94	385	lquery_op.c	contrib.ltree
20	1.00	244	prs_dcfg.c	contrib.tsearch2
20	0.97	1118	query.c	contrib.tsearch
20	0.96	930	rank.c	contrib.tsearch2
20	0.95	951	_int_bool.c	contrib.intarray
6	0.21	87	pgwordcount.c	src.interfaces.libpgeasy.examples
6	0.18	33	isinf.c	src.backend.port
6	0.13	335	execFlatten.c	src.backend.executor
6	0.11	754	oracle_compat.c	src.backend.utils.adt

"ptr ptr", {*ptr state len datum cur word ltree els function queri val*}

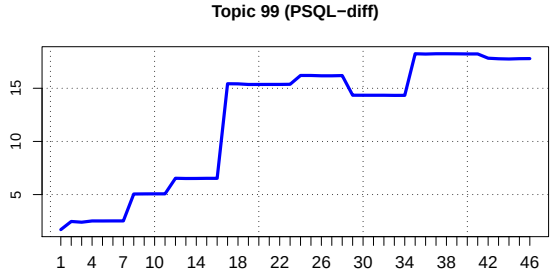
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
99	0.2889	0.0116
88	1.6047	0.1274
67	1.8250	0.7039

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
99	0.2889	0.0116
14	2.2399	0.0858
66	3.0529	0.0886

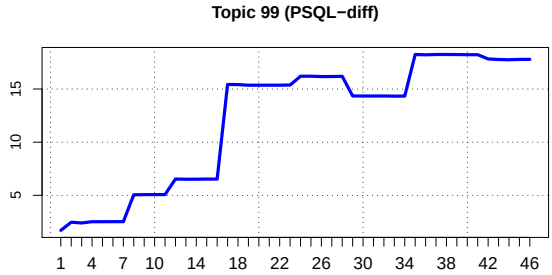
Best matching topic (Topic distance = 0.289, Evolution distance = 0.0116):



V	θ	Size	File	Package
35	0.81	445	tsvector_op.c	contrib.tsearch2
35	0.78	1320	rank.c	contrib.tsearch2
35	0.66	453	ts_lexize.c	contrib.tsearch2
35	0.61	938	dict_thesaurus.c	contrib.tsearch2
19	0.83	930	rank.c	contrib.tsearch2
19	0.83	447	tsvector_op.c	contrib.tsearch2
19	0.64	154	morph.c	contrib.tsearch
19	0.60	129	stopword.c	contrib.tsearch2
1	0.30	33	isinf.c	src.backend.port
1	0.24	663	oracle_compat.c	src.backend.utils.adt
1	0.12	332	execFlatten.c	src.backend.executor
1	0.10	726	fti.c	contrib.fulltextindex

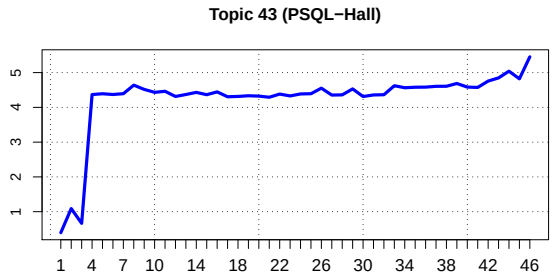
"ptr ptr", {*ptr word cur len entri els queri stop val dict while*}

Best matching topic evolution (Topic distance = 0.289, Evolution distance = 0.0116):



V	θ	Size	File	Package
35	0.81	445	tsvector_op.c	contrib.tsearch2
35	0.78	1320	rank.c	contrib.tsearch2
35	0.66	453	ts_lexize.c	contrib.tsearch2
35	0.61	938	dict_thesaurus.c	contrib.tsearch2
19	0.83	930	rank.c	contrib.tsearch2
19	0.83	447	tsvector_op.c	contrib.tsearch2
19	0.64	154	morph.c	contrib.tsearch
19	0.60	129	stopword.c	contrib.tsearch2
1	0.30	33	isinf.c	src.backend.port
1	0.24	663	oracle_compat.c	src.backend.utils.adt
1	0.12	332	execFlatten.c	src.backend.executor
1	0.10	726	fti.c	contrib.fulltextindex

"ptr ptr", {*ptr word cur len entri els queri stop val dict while*}



V	θ	Size	File	Package
46	1.00	1064	pg_backup_files.c	src.bin.pg_dump
46	1.00	2278	pg_backup_tar.c	src.bin.pg_dump
46	1.00	386	pg_backup_null.c	src.bin.pg_dump
46	0.98	1818	pg_backup_custom.c	src.bin.pg_dump
25	1.00	1038	pg_backup_files.c	src.bin.pg_dump
25	1.00	170	pg_backup_null.c	src.bin.pg_dump
25	1.00	2188	pg_backup_tar.c	src.bin.pg_dump
25	0.99	1792	pg_backup_custom.c	src.bin.pg_dump
1	0.16	736	aix.c	src.backend.port.dynloader
1	0.11	327	lo.c	contrib.lo
1	0.09	309	lztext.c	src.backend.utils.adt
1	0.02	789	portalbuf.c	src.backend.libpq

"blk type", {*archiv data toc ctx entri handl file write blob buf read*}

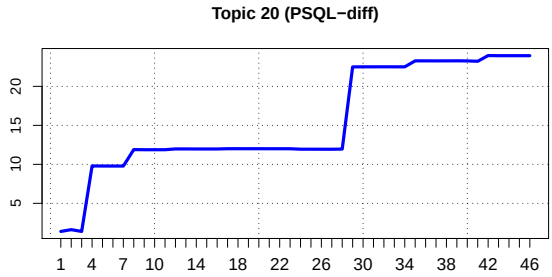
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
20	1.2340	0.2386
31	1.4975	0.1046
41	1.9277	0.1057

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
56	2.3654	0.0149
25	3.4874	0.0593
65	3.4800	0.0633

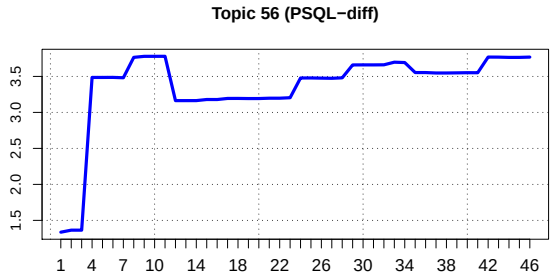
Best matching topic (Topic distance = 1.234, Evolution distance = 0.2386):



V	θ	Size	File	Package
42	0.99	303	internal-sha2.c	contrib.pgcrypto
42	0.93	366	pgp-cfb.c	contrib.pgcrypto
42	0.88	227	pgp-pubenc.c	contrib.pgcrypto
42	0.85	800	pgp-encrypt.c	contrib.pgcrypto
21	0.84	592	openssl.c	contrib.pgcrypto
21	0.82	488	internal.c	contrib.pgcrypto
21	0.82	268	px.c	contrib.pgcrypto
21	0.78	172	pg_backup_null.c	src.bin.pg_dump
1	0.26	322	inet_net_ntop.c	src.backend.utils.adt
1	0.22	449	inet_net_pton.c	src.backend.utils.adt
1	0.14	295	entab.c	src.tools.entab
1	0.10	208	hashfunc.c	src.backend.access.hash

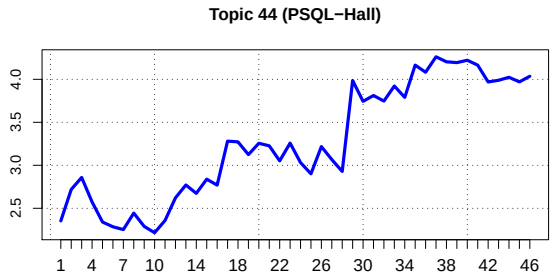
"die horribl", {*ctx uint len dst data toc archiv src blob digest free*}

Best matching topic evolution (Topic distance = 2.365, Evolution distance = 0.0149):



V	θ	Size	File	Package
11	0.84	1277	pg_resetxlog.c	contrib.pg_resetxlog
11	0.81	301	pg_controldata.c	contrib.pg_controldata
11	0.76	8826	xlog.c	src.backend.access.transam
11	0.25	1606	seg.c	contrib.seg
4	0.86	2218	pg_resetxlog.c	contrib.pg_resetxlog
4	0.83	294	pg_controldata.c	contrib.pg_controldata
4	0.81	7968	xlog.c	src.backend.access.transam
4	0.26	1605	seg.c	contrib.seg
1	0.93	4170	xlog.c	src.backend.access.transam
1	0.12	823	sinvaladt.c	src.backend.storage.ipc
1	0.07	1718	dynahash.c	src.backend.utils.hash
1	0.06	962	transam.c	src.backend.access.transam

"control file", {*xlog file control seg record log point rec check read ptr*}



V	θ	Size	File	Package
37	1.00	3398	user.c	src.backend.commands
37	0.59	2138	flatfiles.c	src.backend.utils.init
37	0.50	155	superuser.c	src.backend.utils.misc
37	0.36	3124	dbcommands.c	src.backend.commands
26	0.98	4058	user.c	src.backend.commands
26	0.76	63	superuser.c	src.backend.utils.misc
26	0.28	1959	miscinit.c	src.backend.utils.init
26	0.21	3010	dbcommands.c	src.backend.commands
10	0.99	3142	user.c	src.backend.commands
10	0.23	1213	dbcommands.c	src.backend.commands
10	0.20	127	superuser.c	src.backend.utils.misc
10	0.17	1528	miscinit.c	src.backend.utils.init

"session user", {*user role heap group tupl errcod datum record shadow lock error*}

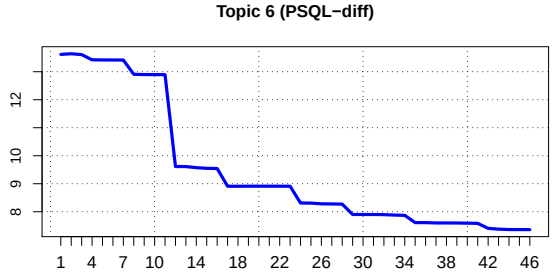
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
6	1.0936	0.3931
4	1.3862	0.1933
66	1.4200	0.3073

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
30	2.4900	0.0108
22	3.3800	0.0162
31	2.0426	0.0165

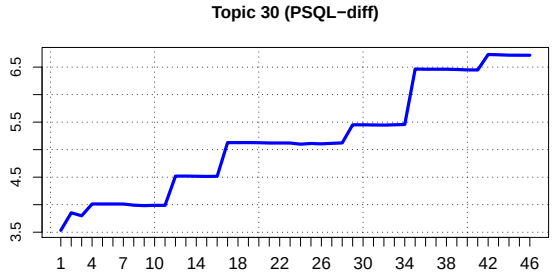
Best matching topic (Topic distance = 1.094, Evolution distance = 0.3931):



V	θ	Size	File	Package
2	0.80	2215	indexing.c	src.backend.catalog
2	0.63	359	rewriteRemove.c	src.backend.rewrite
2	0.57	924	remove.c	src.backend.commands
2	0.53	545	regproc.c	src.backend.utils.adt
24	0.64	241	pg_largeobject.c	src.backend.catalog
24	0.48	111	pg_namespace.c	src.backend.catalog
24	0.38	176	not_in.c	src.backend.utils.adt
24	0.38	164	misc_utils.c	contrib.miscutil
46	0.62	234	pg_largeobject.c	src.backend.catalog
46	0.42	120	pg_namespace.c	src.backend.catalog
46	0.37	181	rewriteSupport.c	src.backend.rewrite
46	0.37	265	pg_enum.c	src.backend.catalog

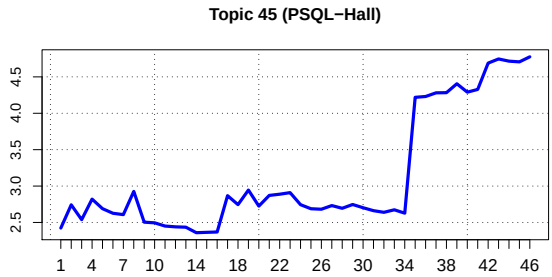
"heap tupl", {*heap tupl scan relat datum indic lock kei desc catalog access*}

Best matching topic evolution (Topic distance = 2.490, Evolution distance = 0.0108):



V	θ	Size	File	Package
42	0.70	8115	arrayfuncs.c	src.backend.utils.adt
42	0.69	896	array_userfuncs.c	src.backend.utils.adt
42	0.41	367	arrayutils.c	src.backend.utils.adt
42	0.39	318	_int_tool.c	contrib.intarray
22	0.68	6314	arrayfuncs.c	src.backend.utils.adt
22	0.67	799	array_userfuncs.c	src.backend.utils.adt
22	0.59	130	arrayutils.c	src.backend.utils.adt
22	0.38	314	_int_tool.c	contrib.intarray
1	0.75	2854	arrayfuncs.c	src.backend.utils.adt
1	0.60	532	array_iterator.c	contrib.array
1	0.46	95	arrayutils.c	src.backend.utils.adt
1	0.37	834	chunk.c	src.backend.utils.adt

"arrai arrai", {*arrai arr elem dim type ndim ptr extra nitem typlen data*}



V	θ	Size	File	Package
46	0.89	1638	bootparse.c	src.backend.bootstrap
46	0.88	5586	pl_gram.c	src.pl.plpgsql.src
46	0.88	1362	cubeparse.c	contrib.cube
46	0.83	1377	segparse.c	contrib.seg
27	0.99	6127	pl_gram.c	src.pl.plpgsql.src
27	0.91	1586	bootparse.c	src.backend.bootstrap
27	0.35	132	parser.c	src.backend.parser
27	0.20	191	system.c	src.backend.port.darwin
14	0.99	5625	pl_gram.c	src.pl.plpgsql.src
14	0.88	1545	bootparse.c	src.backend.bootstrap
14	0.22	209	parser.c	src.backend.parser
14	0.14	91	scansup.c	src.backend.parser

"plpgsql plpgsql", {*plpgsql defin stmt sql line new endif error gram stack expr*}

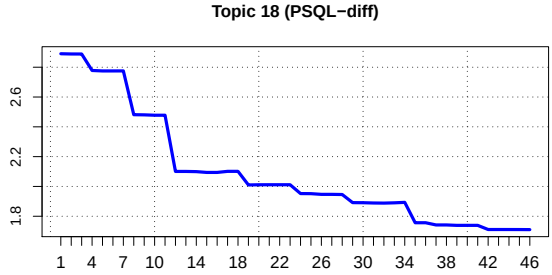
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
18	0.5220	0.3368
89	0.6624	0.0112
46	1.7177	0.9774

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
89	0.6624	0.0112
19	3.0760	0.0133
30	3.0032	0.0399

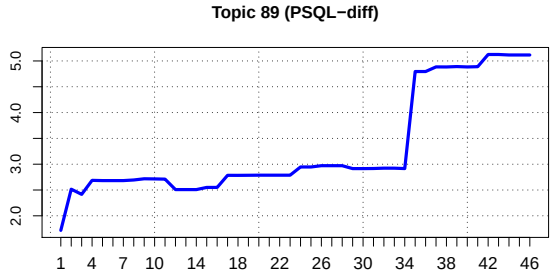
Best matching topic (Topic distance = 0.522, Evolution distance = 0.3368):



V	θ	Size	File	Package
1	0.69	4151	pl_gram.c	src.pl.plpgsql.src
1	0.49	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.48	2343	pl_comp.c	src.pl.plpgsql.src
1	0.36	4814	pl_exec.c	src.pl.plpgsql.src
24	0.69	6044	pl_gram.c	src.pl.plpgsql.src
24	0.45	1612	pl_funcs.c	src.pl.plpgsql.src
24	0.34	3663	pl_comp.c	src.pl.plpgsql.src
24	0.22	8521	pl_exec.c	src.pl.plpgsql.src
46	0.54	5586	pl_gram.c	src.pl.plpgsql.src
46	0.44	1868	pl_funcs.c	src.pl.plpgsql.src
46	0.32	4157	pl_comp.c	src.pl.plpgsql.src
46	0.20	10388	pl_exec.c	src.pl.plpgsql.src

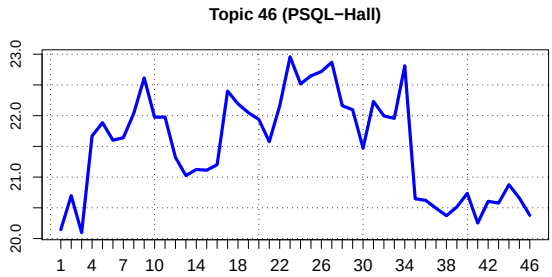
"plpgsql plpgsql", {*plpgsql sql stmt var row rec dtype expr new variabl lineno*}

Best matching topic evolution (Topic distance = 0.662, Evolution distance = 0.0112):



V	θ	Size	File	Package
42	0.90	1362	cubeparse.c	contrib.cube
42	0.89	1377	segparse.c	contrib.seg
42	0.78	1638	bootparse.c	src.backend.bootstrap
42	0.30	287	parser.c	src.backend.parser
20	0.80	1567	bootparse.c	src.backend.bootstrap
20	0.31	193	output.c	src.interfaces.ecpg.preproc
20	0.30	135	parser.c	src.backend.parser
20	0.22	5828	pl_gram.c	src.pl.plpgsql.src
1	0.82	1403	bootparse.c	src.backend.bootstrap
1	0.25	4151	pl_gram.c	src.pl.plpgsql.src
1	0.17	252	s_lock.c	src.backend.storage.buffer
1	0.10	10869	gram.c	src.backend.parser

"defin defin", {*defin endif stack yydebug line token ifdef stderr yylex yystyp state*}



V	θ	Size	File	Package
23	1.00	131	geqo_cx.c	src.backend.optimizer.geqo
23	1.00	825	geqo_erx.c	src.backend.optimizer.geqo
23	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
23	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
6	1.00	15	geqo_copy.c	src.backend.optimizer.geqo
6	1.00	836	geqo_erx.c	src.backend.optimizer.geqo
6	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
6	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
3	1.00	55	geqo_mutation.c	src.backend.optimizer.geqo
3	1.00	81	geqo_ox1.c	src.backend.optimizer.geqo
3	1.00	125	geqo_ox2.c	src.backend.optimizer.geqo
3	1.00	188	geqo_pmx.c	src.backend.optimizer.geqo

"strcpy errbuf", {*edg pool gene tabl tour constraint citi geqo num list order*}

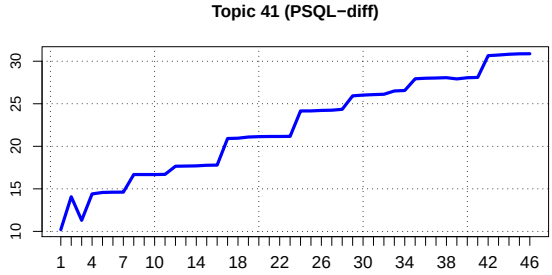
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
41	1.8711	0.1539
64	2.0881	0.0302
98	2.1549	0.0282

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
29	3.0211	0.0058
91	3.2328	0.0068
78	2.6604	0.0071

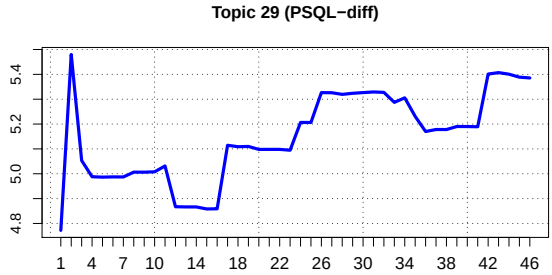
Best matching topic (Topic distance = 1.871, Evolution distance = 0.1539):



V	θ	Size	File	Package
46	0.53	63	unsetenv.c	src.port
46	0.49	12	regfree.c	src.backend.regex
46	0.30	714	sinval.c	src.backend.storage.ipc
46	0.22	178	system.c	src.backend.port.darwin
23	0.49	12	regfree.c	src.backend.regex
23	0.28	43	hashfn.c	src.backend.utils.hash
23	0.27	200	dllinit.c	src.utils
23	0.23	135	pmsignal.c	src.backend.storage.ipc
1	0.26	50	misc.c	src.backend.utils.adt
1	0.23	95	excid.c	src.backend.utils.error
1	0.19	141	hashfn.c	src.backend.utils.hash
1	0.16	836	pg_lzcompress.c	src.backend.utils.adt

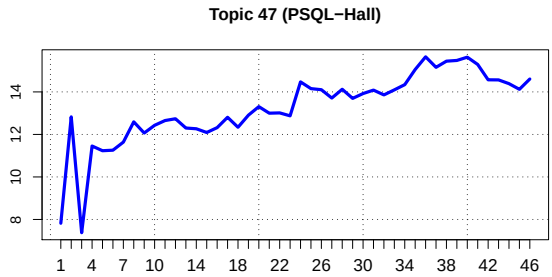
"don bother", {*note check set don code pass call make caller assum time*}

Best matching topic evolution (Topic distance = 3.021, Evolution distance = 0.0058):



V	θ	Size	File	Package
2	0.81	570	localbuf.c	src.backend.storage.buffer
2	0.75	5443	bufmgr.c	src.backend.storage.buffer
2	0.66	632	freelist.c	src.backend.storage.buffer
2	0.58	628	buf_init.c	src.backend.storage.buffer
36	0.67	1034	localbuf.c	src.backend.storage.buffer
36	0.65	5153	bufmgr.c	src.backend.storage.buffer
36	0.59	381	buf_init.c	src.backend.storage.buffer
36	0.38	562	freelist.c	src.backend.storage.buffer
1	0.81	570	localbuf.c	src.backend.storage.buffer
1	0.75	5414	bufmgr.c	src.backend.storage.buffer
1	0.66	632	freelist.c	src.backend.storage.buffer
1	0.58	628	buf_init.c	src.backend.storage.buffer

"buffer buffer", {*buffer buf hdr dirti block count flag tag num write local*}



V	θ	Size	File	Package
36	1.00	77	c_keywords.c	src.interfaces.ecpg.preproc
36	1.00	77	strtoul.c	src.port
36	0.98	86	pgstrcasecmp.c	src.port
36	0.89	408	stringutils.c	src.bin.psql
20	0.99	77	c_keywords.c	src.interfaces.ecpg.preproc
20	0.97	79	strtoul.c	src.port
20	0.91	140	strtol.c	src.port
20	0.90	598	keywords.c	src.interfaces.ecpg.preproc
3	1.00	30	strcasecmp.c	src.backend.port
3	0.99	79	strtoul.c	src.backend.port
3	0.89	140	strtol.c	src.backend.port
3	0.81	836	pg_lzcompress.c	src.backend.utils.adt

"action item action", {*keyword els max letter word charact base action defin match sql*}

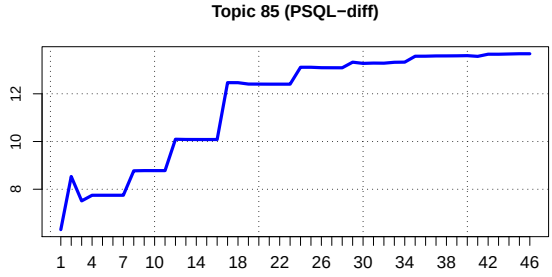
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
85	1.3424	0.0259
41	1.3739	0.0536
22	1.5774	0.0195

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
39	3.5103	0.0085
98	2.6066	0.0090
100	2.6718	0.0099

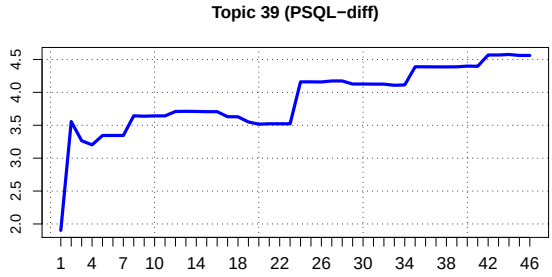
Best matching topic (Topic distance = 1.342, Evolution distance = 0.0259):



V	θ	Size	File	Package
45	1.00	7	wstrcmp.c	src.backend.utils.mb
45	0.80	110	regc_cvec.c	src.backend.regex
45	0.72	506	rege_dfa.c	src.backend.regex
45	0.71	1253	regexec.c	src.backend.regex
17	1.00	7	wstrcmp.c	src.backend.utils.mb
17	0.80	110	regc_cvec.c	src.backend.regex
17	0.72	506	rege_dfa.c	src.backend.regex
17	0.72	1237	regexec.c	src.backend.regex
1	0.81	1248	engine.c	src.backend.regex
1	0.73	1909	regcomp.c	src.backend.regex
1	0.63	27	wstrncmp.c	src.backend.utils.mb
1	0.60	230	regerror.c	src.backend.regex

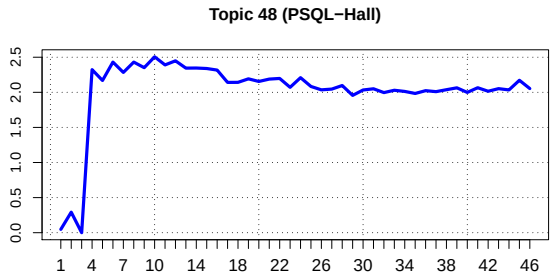
"chr chr", {*match end start reg chr assert charact pars pattern quot wchar*}

Best matching topic evolution (Topic distance = 3.510, Evolution distance = 0.0085):



V	θ	Size	File	Package
44	0.87	20963	preproc.c	src.interfaces.ecpg.preproc
44	0.37	60	value.c	src.backend.nodes
44	0.26	324	output.c	src.interfaces.ecpg.preproc
44	0.22	506	descriptor.c	src.interfaces.ecpg.preproc
13	0.88	15511	preproc.c	src.interfaces.ecpg.preproc
13	0.21	24	wstrncmp.c	src.backend.utils.mb
13	0.19	3968	outfuncs.c	src.backend.nodes
13	0.19	16	step1.c	contrib.spi.preprocessor
1	0.20	3419	outfuncs.c	src.backend.nodes
1	0.19	287	stringinfo.c	src.backend.lib
1	0.19	16	step1.c	contrib.spi.preprocessor
1	0.19	27	wstrncmp.c	src.backend.utils.mb

"str str", {*str line make cat type empti error connect index opt statem*}



V	θ	Size	File	Package
10	1.00	3615	pg_backup_archiver.c	src.bin.pg_dump
10	0.52	1586	pg_backup_db.c	src.bin.pg_dump
10	0.48	780	pg_restore.c	src.bin.pg_dump
10	0.25	284	example1.c	src.interfaces.cli
23	1.00	4126	pg_backup_archiver.c	src.bin.pg_dump
23	0.59	1393	pg_backup_db.c	src.bin.pg_dump
23	0.43	710	pg_restore.c	src.bin.pg_dump
23	0.05	327	pgxml_dom.c	contrib.xml
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"die horribl", {*toc archiv handl data write entri qry oid els restor connect*}

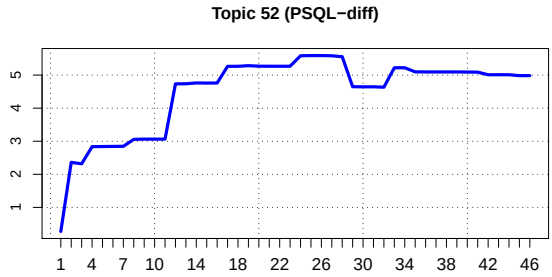
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
52	1.2361	0.1463
41	1.6027	0.2152
20	1.7262	0.3735

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
56	2.3173	0.0439
25	3.2069	0.0891
53	1.9501	0.1006

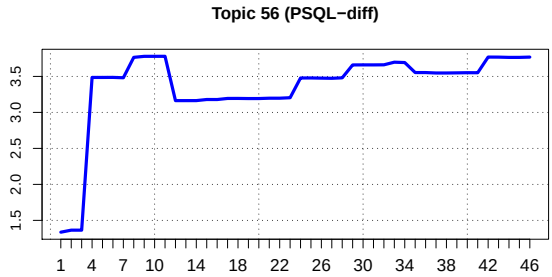
Best matching topic (Topic distance = 1.236, Evolution distance = 0.1463):



V	θ	Size	File	Package
26	0.83	15172	pg_dump.c	src.bin.pg_dump
26	0.59	3453	describe.c	src.bin.psql
26	0.49	249	findoidjoins.c	contrib.findoidjoins
26	0.42	1333	common.c	src.bin.pg_dump
42	0.82	19146	pg_dump.c	src.bin.pg_dump
42	0.59	251	findoidjoins.c	src.tools.findoidjoins
42	0.51	4711	describe.c	src.bin.psql
42	0.38	1672	dumputils.c	src.bin.pg_dump
1	0.16	155	findoidjoins.c	contrib.findoidjoins
1	0.09	1019	pl_funcs.c	src.pl.plpgsql.src
1	NA	NA	NA	NA
1	NA	NA	NA	NA

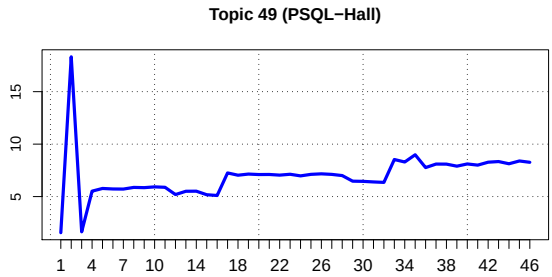
"append pqexp buffer", {*pqexp buffer oid dump append queri tabl catalog fout data select*}

Best matching topic evolution (Topic distance = 2.317, Evolution distance = 0.0439):



V	θ	Size	File	Package
11	0.84	1277	pg_resetxlog.c	contrib.pg_resetxlog
11	0.81	301	pg_controldata.c	contrib.pg_controldata
11	0.76	8826	xlog.c	src.backend.access.transam
11	0.25	1606	seg.c	contrib.seg
4	0.86	2218	pg_resetxlog.c	contrib.pg_resetxlog
4	0.83	294	pg_controldata.c	contrib.pg_controldata
4	0.81	7968	xlog.c	src.backend.access.transam
4	0.26	1605	seg.c	contrib.seg
1	0.93	4170	xlog.c	src.backend.access.transam
1	0.12	823	sinvaladt.c	src.backend.storage.ipc
1	0.07	1718	dynahash.c	src.backend.utils.hash
1	0.06	962	transam.c	src.backend.access.transam

"control file", {*xlog file control seg record log point rec check read ptr*}



V	θ	Size	File	Package
2	0.96	4159	fe-exec.c	src.interfaces.libpq
2	0.83	173	pgconnection.cc	src.interfaces.libpq++
2	0.76	3901	fe-connect.c	src.interfaces.libpq
2	0.73	51	testlibpq0.cc	src.interfaces.libpq++.examples
22	0.98	3037	fe-protocol3.c	src.interfaces.libpq
22	0.94	4313	fe-exec.c	src.interfaces.libpq
22	0.93	2705	fe-protocol2.c	src.interfaces.libpq
22	0.76	1966	fe-misc.c	src.interfaces.libpq
1	0.49	415	mpgsql.c	contrib.mSQL-interface
1	0.44	233	pqpacket.c	src.backend.libpq
1	0.26	418	be-pqexec.c	src.backend.libpq
1	0.16	299	vacuumlo.c	contrib.vacuumlo

"pgconn conn", {*conn result messag error statu buffer data connect pgconn pgresult pgre*}

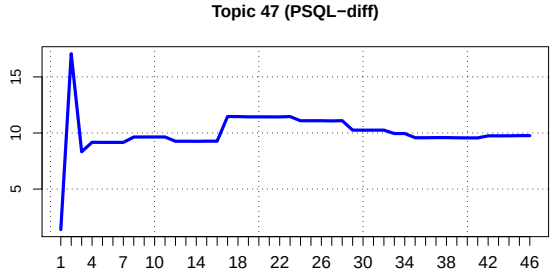
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
47	0.1871	0.1089
41	1.3886	0.2294
9	1.7030	0.2682

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
73	2.3549	0.0764
47	0.1871	0.1089
87	2.6619	0.1271

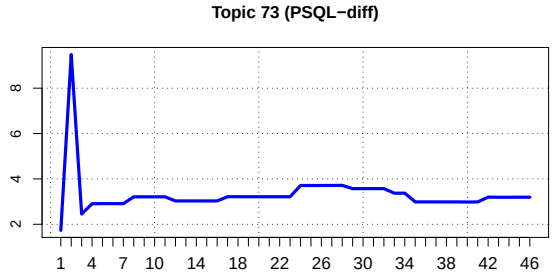
Best matching topic (Topic distance = 0.187, Evolution distance = 0.1089):



V	θ	Size	File	Package
2	0.77	173	pgconnection.cc	src.interfaces.libpq++
2	0.74	156	testlibpq2.c	src.test.examples
2	0.65	3901	fe-connect.c	src.interfaces.libpq
2	0.65	238	testlibpq4.c	src.test.examples
43	0.73	2752	fe-protocol2.c	src.interfaces.libpq
43	0.70	191	testlibpq.c	src.test.examples
43	0.67	3891	fe-protocol3.c	src.interfaces.libpq
43	0.66	235	testlibpq4.c	src.test.examples
1	0.36	1204	pgbench.c	contrib.pgbench
1	0.32	299	vacuumlo.c	contrib.vacuumlo
1	0.31	415	mpgsql.c	contrib.mSQL-interface
1	0.15	418	be-pqexec.c	src.backend.libpq

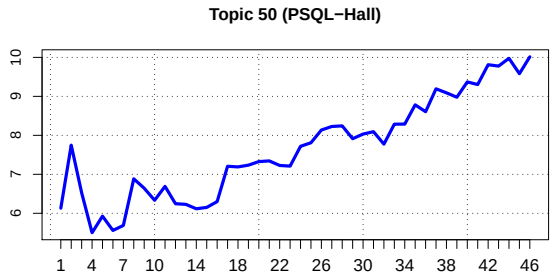
"conn conn", {*conn connect error messag statu buffer pgre msg pgconn queri option*}

Best matching topic evolution (Topic distance = 2.355, Evolution distance = 0.0764):



V	θ	Size	File	Package
2	0.84	214	pglobject.cc	src.interfaces.libpq++
2	0.65	69	beard.c	src.tutorial
2	0.65	3096	pgmodule.c	src.interfaces.python
2	0.61	418	LargeObjectManager.java	src.interfaces.jdbc.org.postgresql.largeobject
42	0.31	806	be-fsstubs.c	src.backend.libpq
42	0.27	2327	pg_dump_sort.c	src.bin.pg_dump
42	0.26	1104	fe-lobj.c	src.interfaces.libpq
42	0.26	388	testlo.c	src.test.examples
1	0.65	69	beard.c	src.tutorial
1	0.30	696	be-fsstubs.c	src.backend.libpq
1	0.26	2519	inv_api.c	src.backend.storage.large_object
1	0.19	327	lo.c	contrib.lo

"larg object", {*object larg obj oid arg error err set creat inv open*}



V	θ	Size	File	Package
46	0.87	2621	aset.c	src.backend.utils.mmgr
46	0.55	55	api.c	src.backend.snowball.libstemmer
46	0.52	454	utilities.c	src.backend.snowball.libstemmer
46	0.48	33	ialloc.c	src.timezone
24	0.88	2571	aset.c	src.backend.utils.mmgr
24	0.70	66	api.c	contrib.tsearch2.snowball
24	0.52	423	utilities.c	contrib.tsearch2.snowball
24	0.41	34	ialloc.c	src.timezone
4	0.89	2428	aset.c	src.backend.utils.mmgr
4	0.41	27	memory.c	src.interfaces.ecpg.lib
4	0.36	61	Varray.c	src.backend.tioga
4	0.34	957	bufpage.c	src.backend.storage.page

"size size", {*size alloc chunk block set space free pointer memori max header*}

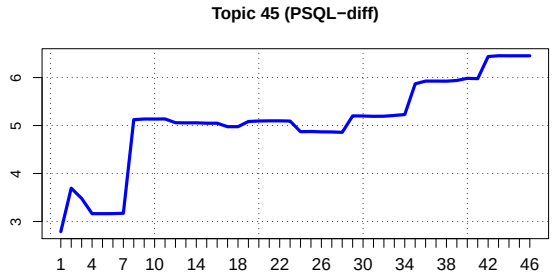
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
45	1.2543	0.0267
22	1.4225	0.0045
41	1.7711	0.0319

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
22	1.4225	0.0045
1	3.3948	0.0069
31	3.4574	0.0081

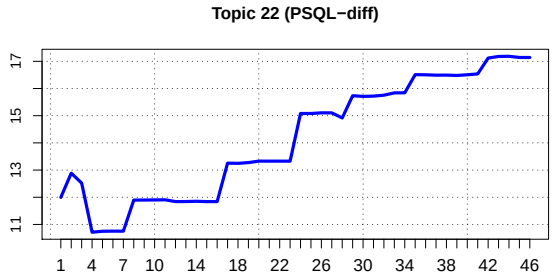
Best matching topic (Topic distance = 1.254, Evolution distance = 0.0267):



V	θ	Size	File	Package
43	0.64	4273	freespace.c	src.backend.storage.freespace
43	0.45	2621	aset.c	src.backend.utils.mmgr
43	0.29	897	pg_freespacemap.c	contrib.pg_freespacemap
43	0.16	296	variables.c	src.bin.psql
22	0.65	4345	freespace.c	src.backend.storage.freespace
22	0.47	2528	aset.c	src.backend.utils.mmgr
22	0.18	453	pgstattuple.c	contrib.pgstattuple
22	0.17	663	freelist.c	src.backend.storage.buffer
1	0.53	1163	aset.c	src.backend.utils.mmgr
1	0.26	2050	freefuncs.c	src.backend.nodes
1	0.21	834	chunk.c	src.backend.utils.adt
1	0.19	632	freelist.c	src.backend.storage.buffer

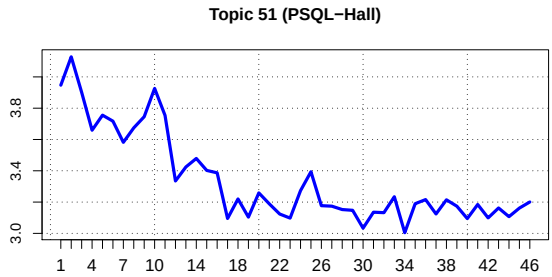
"free space", {*free chunk space alloc page block rel num map fsm size*}

Best matching topic evolution (Topic distance = 1.423, Evolution distance = 0.0045):



V	θ	Size	File	Package
44	0.71	77	strtoul.c	src.port
44	0.60	158	strtol.c	src.port
44	0.54	454	utilities.c	src.backend.snowball.libstemmer
44	0.46	33	ialloc.c	src.timezone
20	0.70	79	strtoul.c	src.port
20	0.67	140	strtol.c	src.port
20	0.64	423	utilities.c	contrib.tsearch2.snowball
20	0.62	66	api.c	contrib.tsearch2.snowball
4	0.74	140	strtol.c	src.backend.port
4	0.70	79	strtoul.c	src.backend.port
4	0.60	65	bit.c	src.backend.lib
4	0.36	61	Varray.c	src.backend.tioga

"size size", {*size bit max els min for length offset number byte set*}



V	θ	Size	File	Package
2	0.73	3802	ruleutils.c	src.backend.utils.adt
2	0.60	766	rewriteDefine.c	src.backend.rewrite
2	0.51	596	view.c	src.backend.commands
2	0.47	567	print.c	src.backend.nodes
46	0.85	11414	ruleutils.c	src.backend.utils.adt
46	0.57	678	print.c	src.backend.nodes
46	0.54	4433	rewriteHandler.c	src.backend.rewrite
46	0.32	1768	rewriteDefine.c	src.backend.rewrite
34	0.86	10170	ruleutils.c	src.backend.utils.adt
34	0.52	3731	rewriteHandler.c	src.backend.rewrite
34	0.50	958	print.c	src.backend.nodes
34	0.32	1064	view.c	src.backend.commands

"append info", {*queri info rule context buf append expr node rte list action*}

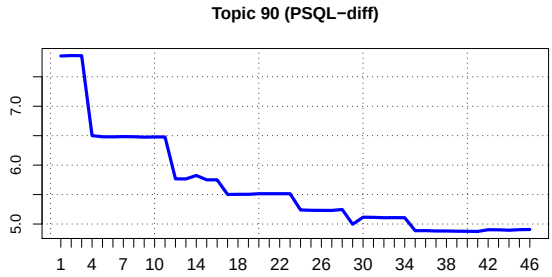
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
90	0.7157	0.0117
92	0.8357	0.0643
51	1.0048	0.0710

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
12	2.4860	0.0018
81	2.4504	0.0022
91	2.0746	0.0107

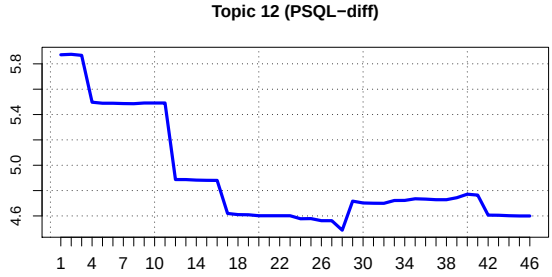
Best matching topic (Topic distance = 0.716, Evolution distance = 0.0117):



V	θ	Size	File	Package
2	0.84	4404	rewriteHandler.c	src.backend.rewrite
2	0.84	1670	rewriteManip.c	src.backend.rewrite
2	0.53	596	view.c	src.backend.commands
2	0.51	401	locks.c	src.backend.rewrite
28	0.63	2234	rewriteManip.c	src.backend.rewrite
28	0.58	3304	rewriteHandler.c	src.backend.rewrite
28	0.40	609	preptlist.c	src.backend.optimizer.prep
28	0.35	1268	var.c	src.backend.optimizer.util
41	0.60	2210	rewriteManip.c	src.backend.rewrite
41	0.50	4293	rewriteHandler.c	src.backend.rewrite
41	0.36	1067	view.c	src.backend.commands
41	0.35	1263	var.c	src.backend.optimizer.util

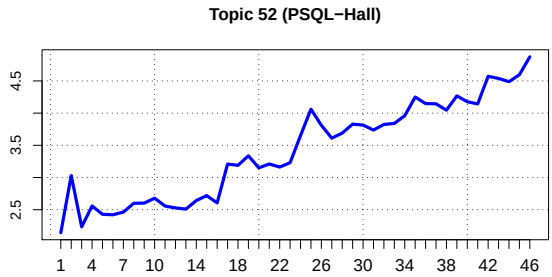
"queri queri", {*queri node rule target context list resdom tle qual entri rewrit*}

Best matching topic evolution (Topic distance = 2.486, Evolution distance = 0.0018):



V	θ	Size	File	Package
2	0.81	2257	costsize.c	src.backend.optimizer.path
2	0.73	1161	pathnode.c	src.backend.optimizer.util
2	0.54	2848	xfunc.c	src.backend.optimizer.path._deadcode
2	0.44	603	orindxpath.c	src.backend.optimizer.path
34	0.78	5034	costsize.c	src.backend.optimizer.path
34	0.65	2766	pathnode.c	src.backend.optimizer.util
34	0.30	1802	joinpath.c	src.backend.optimizer.path
34	0.30	391	orindxpath.c	src.backend.optimizer.path
28	0.78	4432	costsize.c	src.backend.optimizer.path
28	0.64	2400	pathnode.c	src.backend.optimizer.util
28	0.34	583	planmain.c	src.backend.optimizer.plan
28	0.34	1017	orindxpath.c	src.backend.optimizer.path

"total cost", {*path cost tupl rel select total root row startup estim claus*}



V	θ	Size	File	Package
46	0.90	7973	copy.c	src.backend.commands
46	0.53	935	pqformat.c	src.backend.libpq
46	0.53	1173	fastpath.c	src.backend.tcop
46	0.41	1067	printtup.c	src.backend.access.common
19	0.84	4640	copy.c	src.backend.commands
19	0.53	932	pqformat.c	src.backend.libpq
19	0.52	1127	fastpath.c	src.backend.tcop
19	0.41	1102	printtup.c	src.backend.access.common
1	0.49	1075	sequence.c	src.backend.commands
1	0.45	402	pqformat.c	src.backend.libpq
1	0.38	2601	copy.c	src.backend.commands
1	0.29	625	printtup.c	src.backend.access.common

"sendint buf", {*copi buf cstate info errcod data error seq binari line send*}

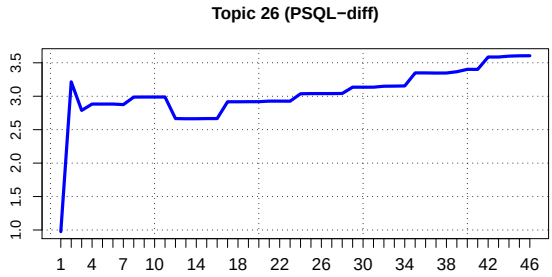
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
26	0.9539	0.0479
41	1.6231	0.0097
100	1.6553	0.0199

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
41	1.6231	0.0097
30	2.8729	0.0125
22	2.5110	0.0148

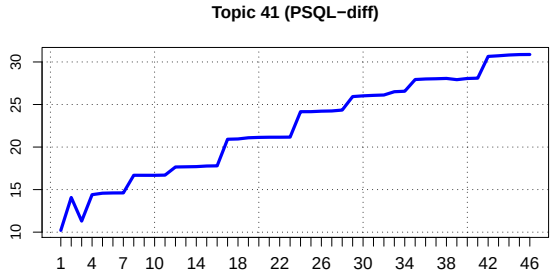
Best matching topic (Topic distance = 0.954, Evolution distance = 0.0479):



V	θ	Size	File	Package
46	0.83	3464	print.c	src.bin.psql
46	0.44	7973	copy.c	src.backend.commands
46	0.42	1120	fe-print.c	src.interfaces.libpq
46	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
24	0.89	1970	print.c	src.bin.psql
24	0.43	1092	fe-print.c	src.interfaces.libpq
24	0.41	5727	copy.c	src.backend.commands
24	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
1	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
1	0.24	2601	copy.c	src.backend.commands
1	0.18	295	entab.c	src.tools.entab
1	0.07	415	mpgsql.c	contrib.mSQL-interface

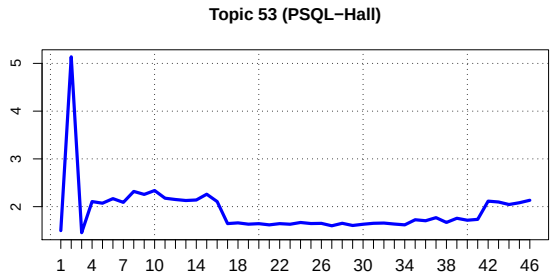
"cstate raw", {*copi cstate ptr line opt fout raw count eof print els*}

Best matching topic evolution (Topic distance = 1.623, Evolution distance = 0.0097):



V	θ	Size	File	Package
46	0.53	63	unsetenv.c	src.port
46	0.49	12	regfree.c	src.backend.regex
46	0.30	714	sinval.c	src.backend.storage.ipc
46	0.22	178	system.c	src.backend.port.darwin
23	0.49	12	regfree.c	src.backend.regex
23	0.28	43	hashfn.c	src.backend.utils.hash
23	0.27	200	dllinit.c	src.utils
23	0.23	135	pmsignal.c	src.backend.storage.ipc
1	0.26	50	misc.c	src.backend.utils.adt
1	0.23	95	excid.c	src.backend.utils.error
1	0.19	141	hashfn.c	src.backend.utils.hash
1	0.16	836	pg_lzcompress.c	src.backend.utils.adt

"don bother", {*note check set don code pass call make caller assum time*}



V	θ	Size	File	Package
2	0.95	4814	pl_exec.c	src.pl.plpgsql.src
2	0.55	1474	execute.c	src.interfaces.odbc
2	0.53	1019	pl_funcs.c	src.pl.plpgsql.src
2	0.43	2404	results.c	src.interfaces.odbc
40	0.97	9833	pl_exec.c	src.pl.plpgsql.src
40	0.54	1669	pl_funcs.c	src.pl.plpgsql.src
40	0.08	1905	prepare.c	src.backend.commands
40	0.06	2233	functions.c	src.backend.executor
3	0.95	4814	pl_exec.c	src.pl.plpgsql.src
3	0.50	1019	pl_funcs.c	src.pl.plpgsql.src
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"sql stmt stmt", {*stmt sql estat exec expr datum var plpgsql rec error row*}

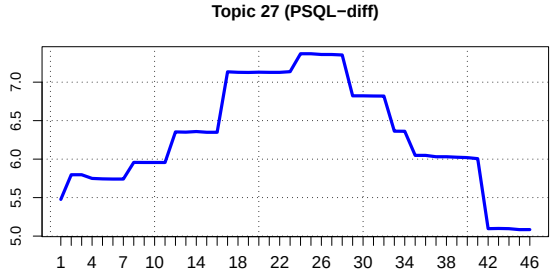
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
27	1.1052	0.2489
18	1.1761	0.1542
46	1.2007	0.2137

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
73	2.6065	0.0709
87	2.6715	0.1005
8	4.1018	0.1034

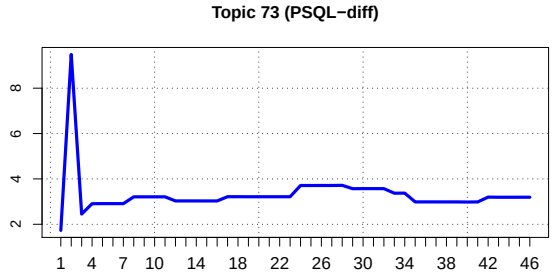
Best matching topic (Topic distance = 1.105, Evolution distance = 0.2489):



V	θ	Size	File	Package
24	0.89	3549	plperl.c	src.pl.plperl
24	0.88	3912	pltcl.c	src.pl.tcl
24	0.42	3645	spi.c	src.backend.executor
24	0.38	1680	pending.c	contrib.dbmirror
35	0.62	3888	pltcl.c	src.pl.tcl
35	0.50	21	spi_internal.c	src.pl.plperl
35	0.42	3792	spi.c	src.backend.executor
35	0.39	4485	plperl.c	src.pl.plperl
45	0.58	4188	pltcl.c	src.pl.tcl
45	0.50	21	spi_internal.c	src.pl.plperl
45	0.38	4590	plperl.c	src.pl.plperl
45	0.37	4495	spi.c	src.backend.executor

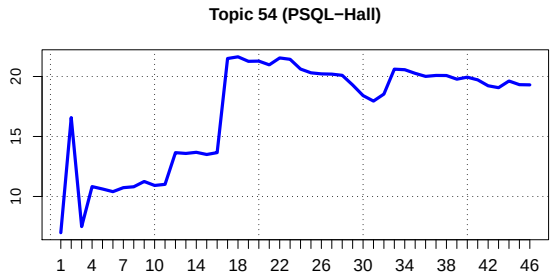
"spi process", {*spi error plan restart tupl proc warn tupdesc oid datum type*}

Best matching topic evolution (Topic distance = 2.607, Evolution distance = 0.0709):



V	θ	Size	File	Package
2	0.84	214	pglobject.cc	src.interfaces.libpq++
2	0.65	69	beard.c	src.tutorial
2	0.65	3096	pgmodule.c	src.interfaces.python
2	0.61	418	LargeObjectManager.java	src.interfaces.jdbc.org.postgresql.largeobject
42	0.31	806	be-fsstubs.c	src.backend.libpq
42	0.27	2327	pg_dump_sort.c	src.bin.pg_dump
42	0.26	1104	fe-lobj.c	src.interfaces.libpq
42	0.26	388	testlo.c	src.test.examples
1	0.65	69	beard.c	src.tutorial
1	0.30	696	be-fsstubs.c	src.backend.libpq
1	0.26	2519	inv_api.c	src.backend.storage.large_object
1	0.19	327	lo.c	contrib.lo

"larg object", {*object larg obj oid arg error err set creat inv open*}



V	θ	Size	File	Package
18	0.96	139	getopt_long.c	src.port
18	0.95	451	clusterdb.c	src.bin.scripts
18	0.94	523	vacuumdb.c	src.bin.scripts
18	0.94	265	dropdb.c	src.bin.scripts
46	0.95	442	clusterdb.c	src.bin.scripts
46	0.94	520	vacuumdb.c	src.bin.scripts
46	0.93	259	dropdb.c	src.bin.scripts
46	0.91	141	getopt_long.c	src.port
1	0.84	1204	pgbench.c	contrib.pgbench
1	0.70	44	alt.c	src.backend.utils.mb
1	0.62	119	getopt.c	src.utils
1	0.57	14	tstrint.c	src.backend.port.qnx4

"fprintf stderr", {*printf fprintf stderr exit prognam sql databas conn argv dbname command*}

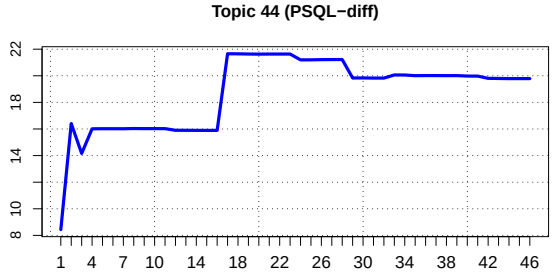
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
44	0.3039	0.0348
47	1.4872	0.1064
53	1.8283	0.1264

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
85	2.5050	0.0227
70	2.1660	0.0274
60	2.6713	0.0347

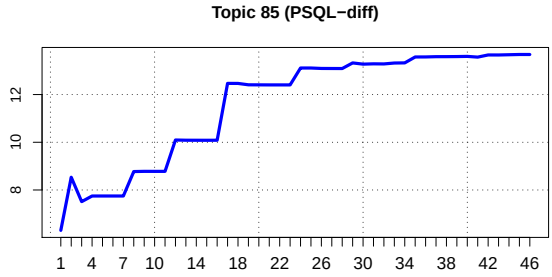
Best matching topic (Topic distance = 0.304, Evolution distance = 0.0348):



V	θ	Size	File	Package
17	0.86	7	strdup.c	src.port
17	0.80	265	dropdb.c	src.bin.scripts
17	0.79	256	dropuser.c	src.bin.scripts
17	0.79	451	clusterdb.c	src.bin.scripts
31	0.79	272	dropdb.c	src.bin.scripts
31	0.79	456	clusterdb.c	src.bin.scripts
31	0.78	260	dropuser.c	src.bin.scripts
31	0.75	6	strdup.c	src.port
1	0.64	14	tstrint.c	src.backend.port.qnx4
1	0.63	138	vartest.c	contrib.bit
1	0.59	119	getopt.c	src.utils
1	0.57	7	strdup.c	src.utils

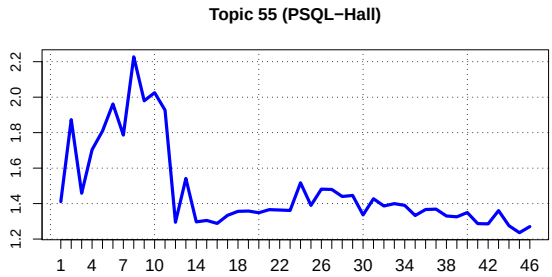
"fprintf stderr", {*printf fprintf stderr argv exit prognam char command argc option password*}

Best matching topic evolution (Topic distance = 2.505, Evolution distance = 0.0227):



V	θ	Size	File	Package
45	1.00	7	wstrcmp.c	src.backend.utils.mb
45	0.80	110	regc_cvec.c	src.backend.regex
45	0.72	506	rege_dfa.c	src.backend.regex
45	0.71	1253	regexec.c	src.backend.regex
17	1.00	7	wstrcmp.c	src.backend.utils.mb
17	0.80	110	regc_cvec.c	src.backend.regex
17	0.72	506	rege_dfa.c	src.backend.regex
17	0.72	1237	regexec.c	src.backend.regex
1	0.81	1248	engine.c	src.backend.regex
1	0.73	1909	regcomp.c	src.backend.regex
1	0.63	27	wstrncmp.c	src.backend.utils.mb
1	0.60	230	regerror.c	src.backend.regex

"chr chr", {*match end start reg chr assert charact pars pattern quot wchar*}



V	θ	Size	File	Package
8	0.99	6105	ri_triggers.c	src.backend.utils.adt
8	0.40	81	pgnulltest.c	src.interfaces.libpgeasy.examples
8	0.22	1266	refint.c	contrib.spi
8	0.16	186	PropertiesTableModel.java	contrib.retep.uk.org.retep.util.models
36	1.00	7186	ri_triggers.c	src.backend.utils.adt
36	0.23	1354	refint.c	contrib.spi
36	0.05	1925	pgtz.c	src.timezone
36	0.04	2138	flatfiles.c	src.backend.utils.init
45	0.84	7691	ri_triggers.c	src.backend.utils.adt
45	0.23	1358	refint.c	contrib.spi
45	0.04	2284	tsvector_op.c	src.backend.utils.adt
45	0.04	940	timetravel.c	contrib.spi

"foreign kei", {*kei rel match spi row trigger check type plan queri relat*}

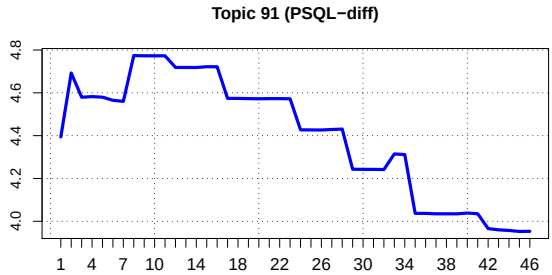
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
91	0.6257	0.0408
27	1.2639	0.0955
32	1.4226	0.0696

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
12	2.7955	0.0291
17	2.3767	0.0358
18	3.8894	0.0360

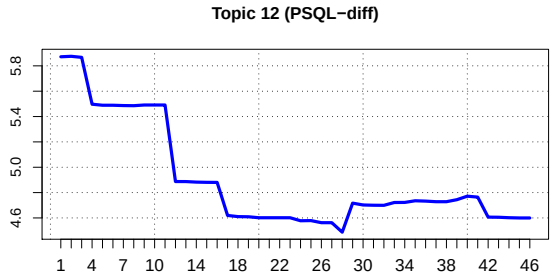
Best matching topic (Topic distance = 0.626, Evolution distance = 0.0408):



V	θ	Size	File	Package
8	0.63	6105	ri_triggers.c	src.backend.utils.adt
8	0.43	222	moddatetime.c	contrib.spi
8	0.41	234	autoinc.c	contrib.spi
8	0.41	1266	refint.c	contrib.spi
27	0.58	7017	ri_triggers.c	src.backend.utils.adt
27	0.42	6424	trigger.c	src.backend.commands
27	0.39	257	moddatetime.c	contrib.spi
27	0.39	258	autoinc.c	contrib.spi
45	0.43	7691	ri_triggers.c	src.backend.utils.adt
45	0.40	8082	trigger.c	src.backend.commands
45	0.39	259	moddatetime.c	contrib.spi
45	0.38	260	autoinc.c	contrib.spi

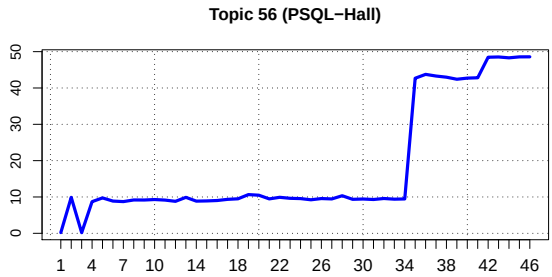
"trigger trigger", {*trigger event rel trigdata row kei tgarg match updat defer check*}

Best matching topic evolution (Topic distance = 2.796, Evolution distance = 0.0291):



V	θ	Size	File	Package
2	0.81	2257	costsize.c	src.backend.optimizer.path
2	0.73	1161	pathnode.c	src.backend.optimizer.util
2	0.54	2848	xfunc.c	src.backend.optimizer.path._deadcode
2	0.44	603	orindxpath.c	src.backend.optimizer.path
34	0.78	5034	costsize.c	src.backend.optimizer.path
34	0.65	2766	pathnode.c	src.backend.optimizer.util
34	0.30	1802	joinpath.c	src.backend.optimizer.path
34	0.30	391	orindxpath.c	src.backend.optimizer.path
28	0.78	4432	costsize.c	src.backend.optimizer.path
28	0.64	2400	pathnode.c	src.backend.optimizer.util
28	0.34	583	planmain.c	src.backend.optimizer.plan
28	0.34	1017	orindxpath.c	src.backend.optimizer.path

"total cost", {*path cost tupl rel select total root row startup estim claus*}



V	θ	Size	File	Package
46	1.00	440	compat_informix-rnull.c	src.interfaces.ecpg.test.expected
46	1.00	499	compat_informix-test_informix.c	src.interfaces.ecpg.test.expected
46	1.00	38	connect-test4.c	src.interfaces.ecpg.test.expected
46	1.00	316	preproc-autoprep.c	src.interfaces.ecpg.test.expected
18	0.89	2642	execute.c	src.interfaces.ecpg.ecpglib
18	0.85	853	descriptor.c	src.interfaces.ecpg.ecpglib
18	0.83	321	descriptor.c	src.interfaces.ecpg.preproc
18	0.80	993	data.c	src.interfaces.ecpg.ecpglib
3	0.09	129	filename.c	src.backend.utils.adt
3	0.06	95	excid.c	src.backend.utils.error
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"ecpg informix", {*line ecpgt pgc ecpg sqlca var lineno connect stmt ind variabl*}

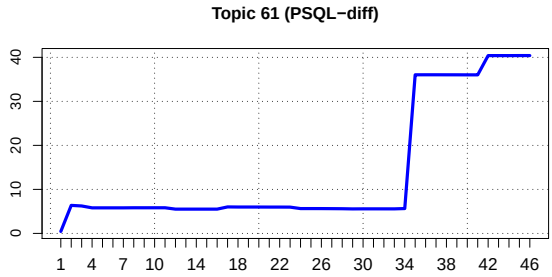
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
61	0.2634	0.0581
46	1.7730	2.7091
48	2.0399	1.0484

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
61	0.2634	0.0581
7	2.4926	0.5585
89	2.1732	0.7286

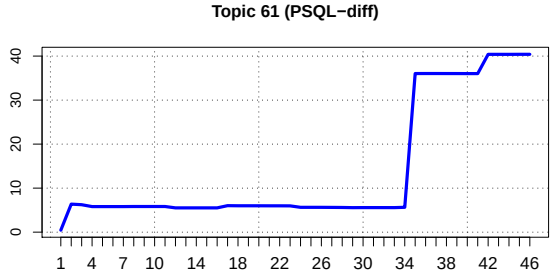
Best matching topic (Topic distance = 0.263, Evolution distance = 0.0581):



V	θ	Size	File	Package
46	1.00	252	sql-insupd.c	src.interfaces.ecpg.test.expected
46	1.00	413	sql-quote.c	src.interfaces.ecpg.test.expected
46	0.97	38	connect-test4.c	src.interfaces.ecpg.test.expected
46	0.97	144	connect-test3.c	src.interfaces.ecpg.test.expected
10	0.65	128	misc.c	src.interfaces.ecpg.lib
10	0.61	364	error.c	src.interfaces.ecpg.lib
10	0.59	81	memory.c	src.interfaces.ecpg.lib
10	0.44	721	data.c	src.interfaces.ecpg.lib
1	0.23	30	pqsignal.c	src.backend.libpq
1	0.11	129	filename.c	src.backend.utils.adt
1	0.10	10	strerror.c	src.backend.port
1	NA	NA	NA	NA

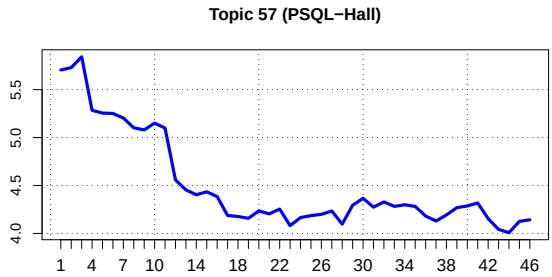
"pgc sqlca sqlcode", {*line pgc ecpgt ecpg sqlca lineno ind sqlcode sqlprint test act*}

Best matching topic evolution (Topic distance = 0.263, Evolution distance = 0.0581):



V	θ	Size	File	Package
46	1.00	252	sql-insupd.c	src.interfaces.ecpg.test.expected
46	1.00	413	sql-quote.c	src.interfaces.ecpg.test.expected
46	0.97	38	connect-test4.c	src.interfaces.ecpg.test.expected
46	0.97	144	connect-test3.c	src.interfaces.ecpg.test.expected
10	0.65	128	misc.c	src.interfaces.ecpg.lib
10	0.61	364	error.c	src.interfaces.ecpg.lib
10	0.59	81	memory.c	src.interfaces.ecpg.lib
10	0.44	721	data.c	src.interfaces.ecpg.lib
1	0.23	30	pqsignal.c	src.backend.libpq
1	0.11	129	filename.c	src.backend.utils.adt
1	0.10	10	strerror.c	src.backend.port
1	NA	NA	NA	NA

"pgc sqlca sqlcode", {*line pgc ecpgt ecpg sqlca lineno ind sqlcode sqlprint test act*}



V	θ	Size	File	Package
3	0.99	1161	pathnode.c	src.backend.optimizer.util
3	0.97	2257	costsize.c	src.backend.optimizer.path
3	0.56	1575	joinpath.c	src.backend.optimizer.path
3	0.47	2848	xfunc.c	src.backend.optimizer.path._deadcode
35	0.99	5701	costsize.c	src.backend.optimizer.path
35	0.89	2820	pathnode.c	src.backend.optimizer.util
35	0.51	1994	joinpath.c	src.backend.optimizer.path
35	0.38	937	planmain.c	src.backend.optimizer.plan
44	0.93	6720	costsize.c	src.backend.optimizer.path
44	0.84	2963	pathnode.c	src.backend.optimizer.util
44	0.49	2149	joinpath.c	src.backend.optimizer.path
44	0.35	1090	planmain.c	src.backend.optimizer.plan

"total cost", {*path cost total startup tupl rel row info pathkei pathnod claus*}

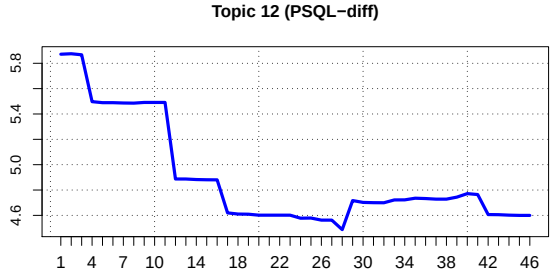
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
12	0.1889	0.0021
3	1.0404	0.0594
78	1.5498	0.0512

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
12	0.1889	0.0021
81	2.0802	0.0045
90	2.1617	0.0064

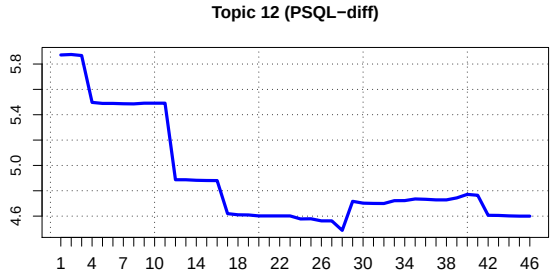
Best matching topic (Topic distance = 0.189, Evolution distance = 0.0021):



V	θ	Size	File	Package
2	0.81	2257	costsize.c	src.backend.optimizer.path
2	0.73	1161	pathnode.c	src.backend.optimizer.util
2	0.54	2848	xfunc.c	src.backend.optimizer.path._deadcode
2	0.44	603	orindxpath.c	src.backend.optimizer.path
34	0.78	5034	costsize.c	src.backend.optimizer.path
34	0.65	2766	pathnode.c	src.backend.optimizer.util
34	0.30	1802	joinpath.c	src.backend.optimizer.path
34	0.30	391	orindxpath.c	src.backend.optimizer.path
28	0.78	4432	costsize.c	src.backend.optimizer.path
28	0.64	2400	pathnode.c	src.backend.optimizer.util
28	0.34	583	planmain.c	src.backend.optimizer.plan
28	0.34	1017	orindxpath.c	src.backend.optimizer.path

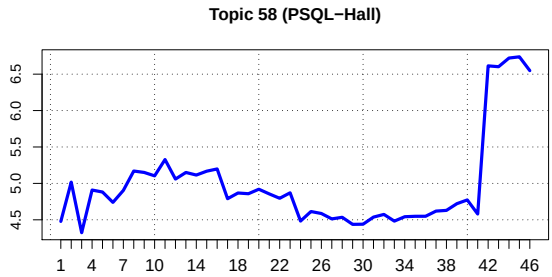
"total cost", {*path cost tupl rel select total root row startup estim claus*}

Best matching topic evolution (Topic distance = 0.189, Evolution distance = 0.0021):



V	θ	Size	File	Package
2	0.81	2257	costsize.c	src.backend.optimizer.path
2	0.73	1161	pathnode.c	src.backend.optimizer.util
2	0.54	2848	xfunc.c	src.backend.optimizer.path._deadcode
2	0.44	603	orindxpath.c	src.backend.optimizer.path
34	0.78	5034	costsize.c	src.backend.optimizer.path
34	0.65	2766	pathnode.c	src.backend.optimizer.util
34	0.30	1802	joinpath.c	src.backend.optimizer.path
34	0.30	391	orindxpath.c	src.backend.optimizer.path
28	0.78	4432	costsize.c	src.backend.optimizer.path
28	0.64	2400	pathnode.c	src.backend.optimizer.util
28	0.34	583	planmain.c	src.backend.optimizer.plan
28	0.34	1017	orindxpath.c	src.backend.optimizer.path

"total cost", {*path cost tupl rel select total root row startup estim claus*}



V	θ	Size	File	Package
45	0.88	11730	heapam.c	src.backend.access.heap
45	0.77	3328	tqual.c	src.backend.utils.time
45	0.53	1936	pruneheap.c	src.backend.access.heap
45	0.50	898	hio.c	src.backend.access.heap
22	0.97	6380	heapam.c	src.backend.access.heap
22	0.80	2380	tqual.c	src.backend.utils.time
22	0.44	735	hio.c	src.backend.access.heap
22	0.35	677	xlogutils.c	src.backend.access.transam
3	0.85	3460	heapam.c	src.backend.access.heap
3	0.77	1224	tqual.c	src.backend.utils.time
3	0.55	508	hio.c	src.backend.access.heap
3	0.26	6255	vacuum.c	src.backend.commands

"heap tupl", {*tupl heap buffer page relat lock scan updat item data infomask*}

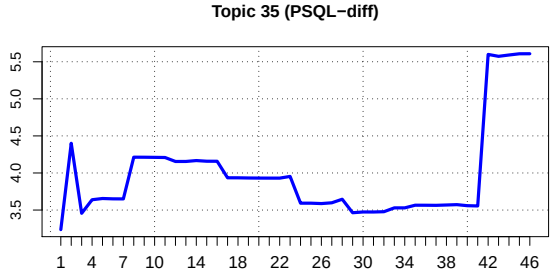
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
35	0.3042	0.0038
36	1.2768	0.2219
19	1.3441	0.0742

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
35	0.3042	0.0038
80	2.4174	0.0206
5	2.6226	0.0244

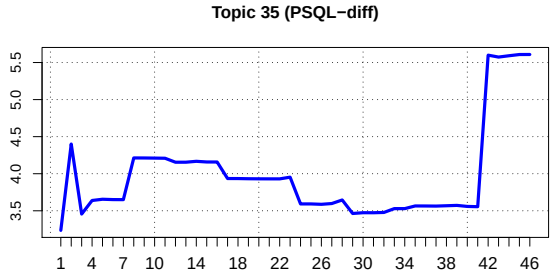
Best matching topic (Topic distance = 0.304, Evolution distance = 0.0038):



V	θ	Size	File	Package
46	0.70	3328	tqual.c	src.backend.utils.time
46	0.47	1936	pruneheap.c	src.backend.access.heap
46	0.43	1404	rewriteheap.c	src.backend.access.heap
46	0.41	11730	heapam.c	src.backend.access.heap
6	0.82	1229	tqual.c	src.backend.utils.time
6	0.38	6358	heapam.c	src.backend.access.heap
6	0.29	5452	vacuum.c	src.backend.commands
6	0.23	514	database.c	src.backend.utils.misc
1	0.82	1224	tqual.c	src.backend.utils.time
1	0.36	3455	heapam.c	src.backend.access.heap
1	0.23	6246	vacuum.c	src.backend.commands
1	0.18	508	hio.c	src.backend.access.heap

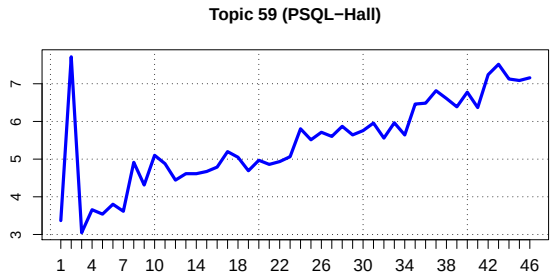
"heap tupl", {*tupl heap buffer transact updat header data snapshot infomask xmax invalid*}

Best matching topic evolution (Topic distance = 0.304, Evolution distance = 0.0038):



V	θ	Size	File	Package
46	0.70	3328	tqual.c	src.backend.utils.time
46	0.47	1936	pruneheap.c	src.backend.access.heap
46	0.43	1404	rewriteheap.c	src.backend.access.heap
46	0.41	11730	heapam.c	src.backend.access.heap
6	0.82	1229	tqual.c	src.backend.utils.time
6	0.38	6358	heapam.c	src.backend.access.heap
6	0.29	5452	vacuum.c	src.backend.commands
6	0.23	514	database.c	src.backend.utils.misc
1	0.82	1224	tqual.c	src.backend.utils.time
1	0.36	3455	heapam.c	src.backend.access.heap
1	0.23	6246	vacuum.c	src.backend.commands
1	0.18	508	hio.c	src.backend.access.heap

"heap tupl", {*tupl heap buffer transact updat header data snapshot infomask xmax invalid*}



V	θ	Size	File	Package
2	0.75	1196	parse_coerce.c	src.backend.parser
2	0.48	431	parse_type.c	src.backend.parser
2	0.47	1030	parse_node.c	src.backend.parser
2	0.43	309	Field.java	src.interfaces.jdbc.org.postgresql
25	0.97	3947	parse_coerce.c	src.backend.parser
25	0.66	754	parse_node.c	src.backend.parser
25	0.44	909	parse_type.c	src.backend.parser
25	0.35	4978	typecmds.c	src.backend.commands
3	0.72	1196	parse_coerce.c	src.backend.parser
3	0.55	1030	parse_node.c	src.backend.parser
3	0.46	431	parse_type.c	src.backend.parser
3	0.32	1938	parse_expr.c	src.backend.parser

"type type", {*type oid arrai node typ domain target typmod coerc expr result*}

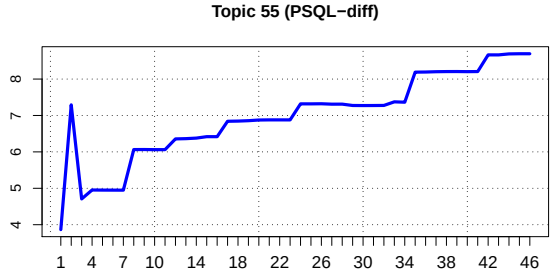
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
55	0.3932	0.0141
51	1.0666	0.0486
76	1.5207	0.0682

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
55	0.3932	0.0141
1	2.6279	0.0278
22	3.4331	0.0280

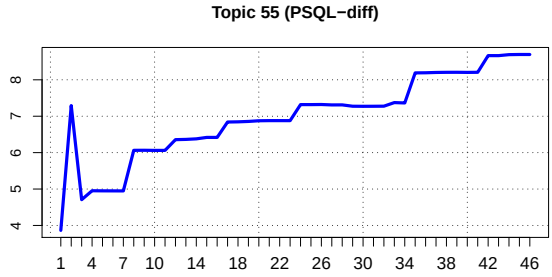
Best matching topic (Topic distance = 0.393, Evolution distance = 0.0141):



V	θ	Size	File	Package
45	0.38	612	pseudotypes.c	src.backend.utils.adt
45	0.35	1232	parse_type.c	src.backend.parser
45	0.33	4601	parse_coerce.c	src.backend.parser
45	0.30	593	domains.c	src.backend.utils.adt
30	0.37	502	pseudotypes.c	src.backend.utils.adt
30	0.34	897	parse_type.c	src.backend.parser
30	0.34	3988	parse_coerce.c	src.backend.parser
30	0.25	5437	typecmds.c	src.backend.commands
1	0.55	431	parse_type.c	src.backend.parser
1	0.36	1196	parse_coerce.c	src.backend.parser
1	0.30	1156	pg_type.c	src.backend.catalog
1	0.14	1030	parse_node.c	src.backend.parser

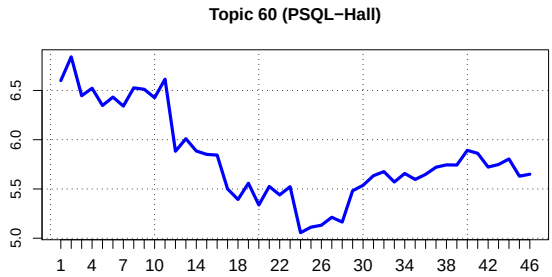
"type type", {*type oid typ typmod arrai elem domain input invalid base els*}

Best matching topic evolution (Topic distance = 0.393, Evolution distance = 0.0141):



V	θ	Size	File	Package
45	0.38	612	pseudotypes.c	src.backend.utils.adt
45	0.35	1232	parse_type.c	src.backend.parser
45	0.33	4601	parse_coerce.c	src.backend.parser
45	0.30	593	domains.c	src.backend.utils.adt
30	0.37	502	pseudotypes.c	src.backend.utils.adt
30	0.34	897	parse_type.c	src.backend.parser
30	0.34	3988	parse_coerce.c	src.backend.parser
30	0.25	5437	typecmds.c	src.backend.commands
1	0.55	431	parse_type.c	src.backend.parser
1	0.36	1196	parse_coerce.c	src.backend.parser
1	0.30	1156	pg_type.c	src.backend.catalog
1	0.14	1030	parse_node.c	src.backend.parser

"type type", {*type oid typ typmod arrai elem domain input invalid base els*}



V	θ	Size	File	Package
2	0.89	458	tlist.c	src.backend.optimizer.util
2	0.84	2194	planner.c	src.backend.optimizer.plan
2	0.62	612	preptlist.c	src.backend.optimizer.prep
2	0.62	746	planmain.c	src.backend.optimizer.plan
37	1.00	391	tlist.c	src.backend.optimizer.util
37	0.83	4317	planner.c	src.backend.optimizer.plan
37	0.69	3509	prepunion.c	src.backend.optimizer.prep
37	0.67	790	preptlist.c	src.backend.optimizer.prep
24	0.88	411	tlist.c	src.backend.optimizer.util
24	0.83	3887	planner.c	src.backend.optimizer.plan
24	0.71	2878	prepunion.c	src.backend.optimizer.prep
24	0.58	609	preptlist.c	src.backend.optimizer.prep

"target target", {*tlist list group plan pars target sort node claus tle queri*}

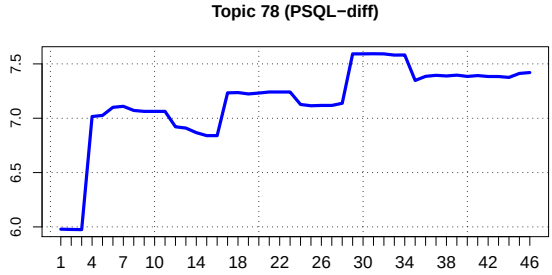
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
78	0.3784	0.0288
90	1.1350	0.0202
92	1.3209	0.0573

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
12	2.0878	0.0021
81	2.7057	0.0028
16	1.4503	0.0098

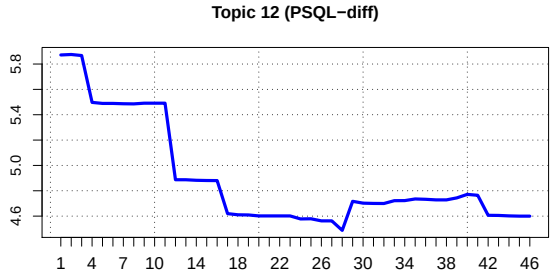
Best matching topic (Topic distance = 0.378, Evolution distance = 0.0288):



V	θ	Size	File	Package
31	0.71	3422	setrefs.c	src.backend.optimizer.plan
31	0.61	4175	planner.c	src.backend.optimizer.plan
31	0.57	3125	subselect.c	src.backend.optimizer.plan
31	0.47	7079	createplan.c	src.backend.optimizer.plan
20	0.69	3721	planner.c	src.backend.optimizer.plan
20	0.69	1989	setrefs.c	src.backend.optimizer.plan
20	0.55	2678	subselect.c	src.backend.optimizer.plan
20	0.51	5986	createplan.c	src.backend.optimizer.plan
3	0.76	1072	setrefs.c	src.backend.optimizer.plan
3	0.66	2194	planner.c	src.backend.optimizer.plan
3	0.63	1682	subselect.c	src.backend.optimizer.plan
3	0.42	746	planmain.c	src.backend.optimizer.plan

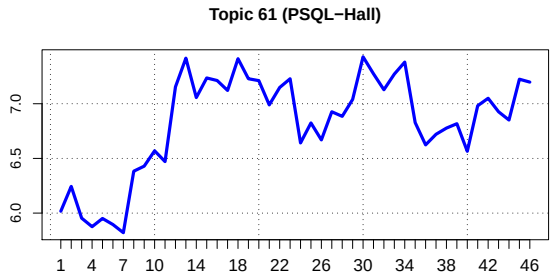
"plan plan", {*plan node tlist list pars subqueri qual subplan var group sort*}

Best matching topic evolution (Topic distance = 2.088, Evolution distance = 0.0021):



V	θ	Size	File	Package
2	0.81	2257	costsize.c	src.backend.optimizer.path
2	0.73	1161	pathnode.c	src.backend.optimizer.util
2	0.54	2848	xfunc.c	src.backend.optimizer.path._deadcode
2	0.44	603	orindxpath.c	src.backend.optimizer.path
34	0.78	5034	costsize.c	src.backend.optimizer.path
34	0.65	2766	pathnode.c	src.backend.optimizer.util
34	0.30	1802	joinpath.c	src.backend.optimizer.path
34	0.30	391	orindxpath.c	src.backend.optimizer.path
28	0.78	4432	costsize.c	src.backend.optimizer.path
28	0.64	2400	pathnode.c	src.backend.optimizer.util
28	0.34	583	planmain.c	src.backend.optimizer.plan
28	0.34	1017	orindxpath.c	src.backend.optimizer.path

"total cost", {*path cost tupl rel select total root row startup estim claus*}



V	θ	Size	File	Package
30	0.91	1151	lwlock.c	src.backend.storage.lmgr
30	0.87	5202	lock.c	src.backend.storage.lmgr
30	0.85	2696	proc.c	src.backend.storage.lmgr
30	0.67	89	user_locks.c	contrib.userlock
27	0.94	981	lwlock.c	src.backend.storage.lmgr
27	0.88	4305	lock.c	src.backend.storage.lmgr
27	0.84	2548	proc.c	src.backend.storage.lmgr
27	0.62	2081	deadlock.c	src.backend.storage.lmgr
7	0.95	3768	lock.c	src.backend.storage.lmgr
7	0.72	2043	proc.c	src.backend.storage.lmgr
7	0.67	735	lmgr.c	src.backend.storage.lmgr
7	0.62	1721	deadlock.c	src.backend.storage.lmgr

"lock lock", {*lock proc wait tag lwlock tabl releas lockmod method acquir queue*}

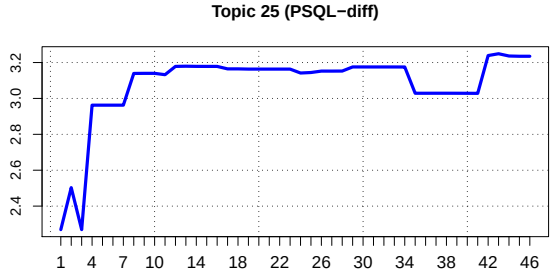
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
25	0.4582	0.0068
72	0.5285	0.0133
41	1.4485	0.1129

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
25	0.4582	0.0068
92	2.8604	0.0076
78	3.0324	0.0077

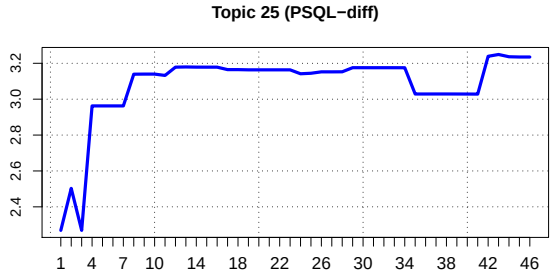
Best matching topic (Topic distance = 0.458, Evolution distance = 0.0068):



V	θ	Size	File	Package
43	0.59	2155	deadlock.c	src.backend.storage.lmgr
43	0.54	505	shmqueue.c	src.backend.storage.ipc
43	0.45	2799	procarray.c	src.backend.storage.ipc
43	0.40	3343	proc.c	src.backend.storage.lmgr
28	0.60	2081	deadlock.c	src.backend.storage.lmgr
28	0.54	505	shmqueue.c	src.backend.storage.ipc
28	0.44	2548	proc.c	src.backend.storage.lmgr
28	0.39	4305	lock.c	src.backend.storage.lmgr
3	0.57	516	shmqueue.c	src.backend.storage.ipc
3	0.52	4738	lock.c	src.backend.storage.lmgr
3	0.50	2024	proc.c	src.backend.storage.lmgr
3	0.26	787	sinval.c	src.backend.storage.ipc

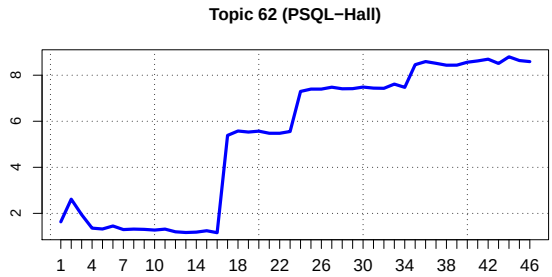
"proc proc", {*proc lock xid holder wait queue method hold tabl pgproc backend*}

Best matching topic evolution (Topic distance = 0.458, Evolution distance = 0.0068):



V	θ	Size	File	Package
43	0.59	2155	deadlock.c	src.backend.storage.lmgr
43	0.54	505	shmqueue.c	src.backend.storage.ipc
43	0.45	2799	procarray.c	src.backend.storage.ipc
43	0.40	3343	proc.c	src.backend.storage.lmgr
28	0.60	2081	deadlock.c	src.backend.storage.lmgr
28	0.54	505	shmqueue.c	src.backend.storage.ipc
28	0.44	2548	proc.c	src.backend.storage.lmgr
28	0.39	4305	lock.c	src.backend.storage.lmgr
3	0.57	516	shmqueue.c	src.backend.storage.ipc
3	0.52	4738	lock.c	src.backend.storage.lmgr
3	0.50	2024	proc.c	src.backend.storage.lmgr
3	0.26	787	sinval.c	src.backend.storage.ipc

"proc proc", {*proc lock xid holder wait queue method hold tabl pgproc backend*}



V	θ	Size	File	Package
44	1.00	4501	dt_common.c	src.interfaces.ecpg.pgtypeslib
44	0.92	6104	datetime.c	src.backend.utils.adt
44	0.83	1016	interval.c	src.interfaces.ecpg.pgtypeslib
44	0.82	1460	timestamp.c	src.interfaces.ecpg.pgtypeslib
18	1.00	5584	datetime.c	src.backend.utils.adt
18	1.00	4699	dt_common.c	src.interfaces.ecpg.pgtypeslib
18	0.86	1033	interval.c	src.interfaces.ecpg.pgtypeslib
18	0.79	1230	timestamp.c	src.interfaces.ecpg.pgtypeslib
16	1.00	5077	datetime.c	src.backend.utils.adt
16	0.09	643	dbf.c	contrib.dbase
16	0.07	103	globals.c	src.backend.utils.init
16	NA	NA	NA	NA

"time zone", {*time dtk date year str field val hour sec month type*}

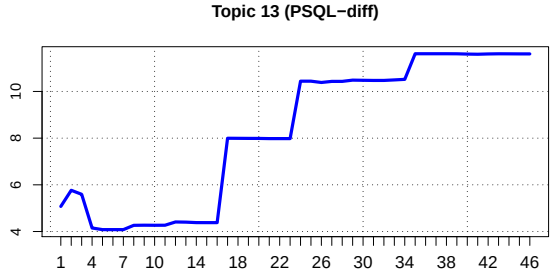
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
13	0.4872	0.0925
41	1.8165	0.2462
74	2.0857	0.4164

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
14	3.4694	0.0631
24	3.0514	0.0749
99	2.8274	0.0771

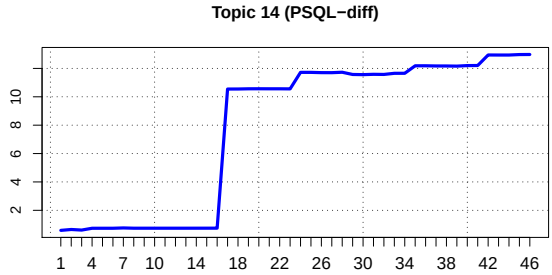
Best matching topic (Topic distance = 0.487, Evolution distance = 0.0925):



V	θ	Size	File	Package
37	0.88	1124	interval.c	src.interfaces.ecpg.pgtypeslib
37	0.79	4809	dt_common.c	src.interfaces.ecpg.pgtypeslib
37	0.75	1532	timestamp.c	src.interfaces.ecpg.pgtypeslib
37	0.67	7853	timestamp.c	src.backend.utils.adt
17	0.89	1033	interval.c	src.interfaces.ecpg.pgtypeslib
17	0.79	4699	dt_common.c	src.interfaces.ecpg.pgtypeslib
17	0.75	5584	datetime.c	src.backend.utils.adt
17	0.72	1230	timestamp.c	src.interfaces.ecpg.pgtypeslib
6	0.84	3366	datetime.c	src.backend.utils.adt
6	0.65	2693	nabstime.c	src.backend.utils.adt
6	0.65	3504	timestamp.c	src.backend.utils.adt
6	0.59	2050	date.c	src.backend.utils.adt

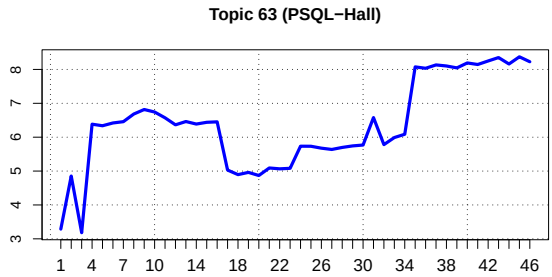
"time zone", {*time timestamp interv date year dai sec month hour dtk fsec*}

Best matching topic evolution (Topic distance = 3.469, Evolution distance = 0.0631):



V	θ	Size	File	Package
46	0.27	187	dict_ispell.c	src.backend.tsearch
46	0.24	61	btree_gist.c	contrib.btree_gist
46	0.23	612	pseudotypes.c	src.backend.utils.adt
46	0.21	128	dict_simple.c	src.backend.tsearch
20	0.23	597	pseudotypes.c	src.backend.utils.adt
20	0.23	240	dict_ispell.c	contrib.tsearch2
20	0.23	244	prs_dcfg.c	contrib.tsearch2
20	0.19	62	copydir.c	src.port
1	0.13	102	linux.c	src.backend.port.dynloader
1	0.12	92	bsdi.c	src.backend.port.dynloader
1	0.11	27	qnx4.c	src.backend.port.dynloader
1	0.08	230	regerror.c	src.backend.regex

"errcod errcod", {*errcod ereport errmsg error invalid support syntax paramet undefin featur errdetail*}



V	θ	Size	File	Package
45	1.00	2666	cubescan.c	contrib.cube
45	1.00	2755	bootscanner.c	src.backend.bootstrap
45	0.99	2695	segscan.c	contrib.seg
45	0.98	4051	scan.c	src.backend.parser
4	1.00	3588	scan.c	src.backend.parser
4	1.00	2635	bootscanner.c	src.backend.bootstrap
4	0.99	4001	pgc.c	src.interfaces.ecpg.preproc
4	0.79	116	buffer.c	contrib.cube
3	1.00	3367	scan.c	src.backend.parser
3	1.00	2633	bootscanner.c	src.backend.bootstrap
3	0.59	4166	pl_scan.c	src.pl.plpgsql.src
3	0.18	266	parser.c	src.backend.parser

"current buffer", {*buffer state buf current defin size line endif rule yytext scan*}

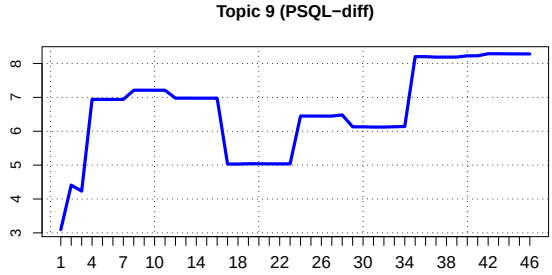
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
9	0.0302	0.0060
89	1.4140	0.0644
41	1.6233	0.0880

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
9	0.0302	0.0060
39	2.3007	0.0425
19	2.7344	0.0437

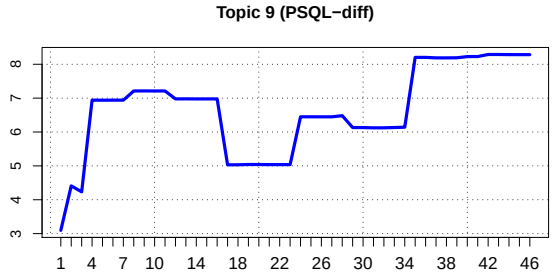
Best matching topic (Topic distance = 0.030, Evolution distance = 0.0060):



V	θ	Size	File	Package
42	0.99	2666	cubescan.c	contrib.cube
42	0.99	2695	segscan.c	contrib.seg
42	0.96	2755	bootscanner.c	src.backend.bootstrap
42	0.84	4755	pgc.c	src.interfaces.ecpg.preproc
7	0.98	2635	bootscanner.c	src.backend.bootstrap
7	0.98	116	buffer.c	contrib.cube
7	0.94	119	buffer.c	contrib.seg
7	0.94	3588	scan.c	src.backend.parser
1	0.99	2632	bootscanner.c	src.backend.bootstrap
1	0.95	3356	scan.c	src.backend.parser
1	0.66	4165	pl_scan.c	src.pl.plpgsql.src
1	0.16	295	entab.c	src.tools.entab

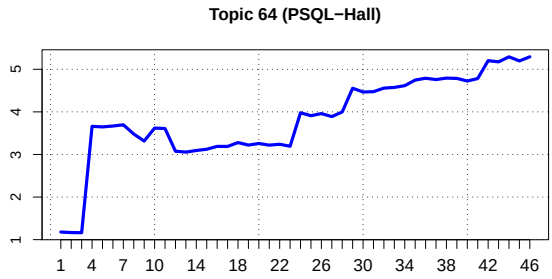
"current buffer", {*buffer state buf current defin rule size yytext endif scan line*}

Best matching topic evolution (Topic distance = 0.030, Evolution distance = 0.0060):



V	θ	Size	File	Package
42	0.99	2666	cubescan.c	contrib.cube
42	0.99	2695	segscan.c	contrib.seg
42	0.96	2755	bootscanner.c	src.backend.bootstrap
42	0.84	4755	pgc.c	src.interfaces.ecpg.preproc
7	0.98	2635	bootscanner.c	src.backend.bootstrap
7	0.98	116	buffer.c	contrib.cube
7	0.94	119	buffer.c	contrib.seg
7	0.94	3588	scan.c	src.backend.parser
1	0.99	2632	bootscanner.c	src.backend.bootstrap
1	0.95	3356	scan.c	src.backend.parser
1	0.66	4165	pl_scan.c	src.pl.plpgsql.src
1	0.16	295	entab.c	src.tools.entab

"current buffer", {*buffer state buf current defin rule size yytext endif scan line*}



V	θ	Size	File	Package
46	0.97	17710	xlog.c	src.backend.access.transam
46	0.74	2149	pg_resetxlog.c	src.bin.pg_resetxlog
46	0.60	563	pg_controldata.c	src.bin.pg_controldata
46	0.32	1122	pg_standby.c	contrib.pg_standby
7	1.00	8045	xlog.c	src.backend.access.transam
7	0.89	2218	pg_resetxlog.c	contrib.pg_resetxlog
7	0.88	294	pg_controldata.c	contrib.pg_controldata
7	0.34	90	rmgr.c	src.backend.access.transam
3	1.00	4170	xlog.c	src.backend.access.transam
3	0.14	962	transam.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"xlog rec", {*xlog file record control log rec ptr write check read point*}

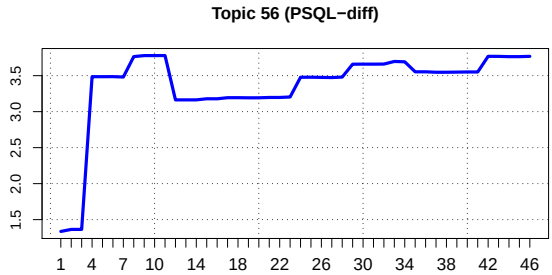
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
56	0.1191	0.0469
31	1.3147	0.0655
36	1.4605	0.0307

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
36	1.4605	0.0307
41	1.4698	0.0355
68	2.6849	0.0359

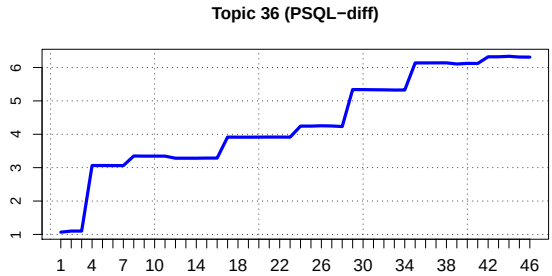
Best matching topic (Topic distance = 0.119, Evolution distance = 0.0469):



V	θ	Size	File	Package
11	0.84	1277	pg_resetxlog.c	contrib.pg_resetxlog
11	0.81	301	pg_controldata.c	contrib.pg_controldata
11	0.76	8826	xlog.c	src.backend.access.transam
11	0.25	1606	seg.c	contrib.seg
4	0.86	2218	pg_resetxlog.c	contrib.pg_resetxlog
4	0.83	294	pg_controldata.c	contrib.pg_controldata
4	0.81	7968	xlog.c	src.backend.access.transam
4	0.26	1605	seg.c	contrib.seg
1	0.93	4170	xlog.c	src.backend.access.transam
1	0.12	823	sinvaladt.c	src.backend.storage.ipc
1	0.07	1718	dynahash.c	src.backend.utils.hash
1	0.06	962	transam.c	src.backend.access.transam

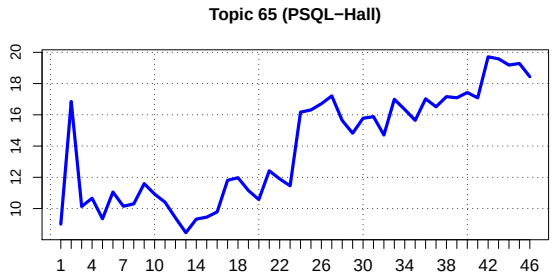
"control file", {*xlog file control seg record log point rec check read ptr*}

Best matching topic evolution (Topic distance = 1.461, Evolution distance = 0.0307):



V	θ	Size	File	Package
44	0.57	2456	gistxlog.c	src.backend.access.gist
44	0.52	2392	nbtxlog.c	src.backend.access.nbtree
44	0.43	1776	logtape.c	src.backend.utils.sort
44	0.41	2008	ginxlog.c	src.backend.access.gin
21	0.71	2553	nbtxlog.c	src.backend.access.nbtree
21	0.45	1606	logtape.c	src.backend.utils.sort
21	0.42	105	rmgr.c	src.backend.access.transam
21	0.27	1012	smgr.c	src.backend.storage.smgr
1	0.46	1601	logtape.c	src.backend.utils.sort
1	0.28	682	smgr.c	src.backend.storage.smgr
1	0.12	59	smgrtype.c	src.backend.storage.smgr
1	0.10	820	mm.c	src.backend.storage.smgr

"crit section", {*buffer xlog page block rdata xlrec node lsn record rec reln*}



V	θ	Size	File	Package
42	1.00	5	strdup.c	src.port
42	0.98	684	thread_test.c	src.test.thread
42	0.93	245	thread.c	src.port
42	0.93	1172	path.c	src.port
32	1.00	6	strdup.c	src.port
32	0.92	1267	path.c	src.port
32	0.89	245	thread.c	src.port
32	0.85	846	exec.c	src.port
13	0.84	368	findbe.c	src.backend.utils.init
13	0.77	456	ps_status.c	src.backend.utils.misc
13	0.75	400	main.c	src.backend.main
13	0.71	58	port.c	src.backend.port.nextstep

"local conv", {*path defin file endif char directori argv line version filenam dir*}

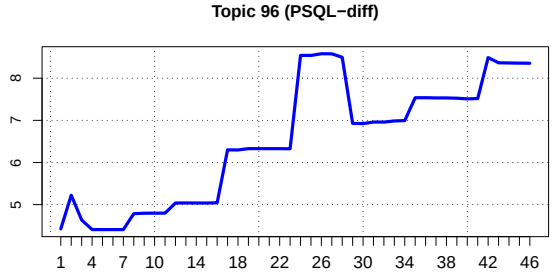
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
96	0.8868	0.0297
98	1.1553	0.0537
41	1.3370	0.0360

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
77	3.0415	0.0239
96	0.8868	0.0297
22	2.4863	0.0330

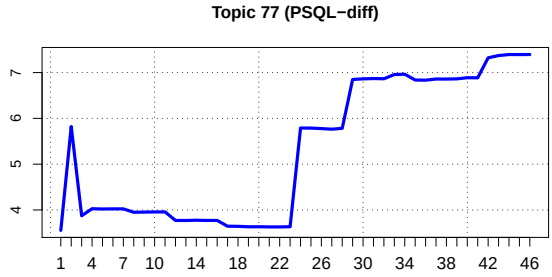
Best matching topic (Topic distance = 0.887, Evolution distance = 0.0297):



V	θ	Size	File	Package
26	0.68	981	path.c	src.port
26	0.37	857	exec.c	src.port
26	0.37	87	copydir.c	src.port
26	0.33	106	utils.c	contrib.pg_dumplo
19	0.59	87	path.c	src.port
19	0.53	363	findbe.c	src.backend.utils.init
19	0.39	62	copydir.c	src.port
19	0.33	106	utils.c	contrib.pg_dumplo
5	0.55	386	findbe.c	src.backend.utils.init
5	0.45	408	catalog.c	src.backend.catalog
5	0.40	238	pg_locale.c	src.backend.utils.adt
5	0.39	1143	dbcommands.c	src.backend.commands

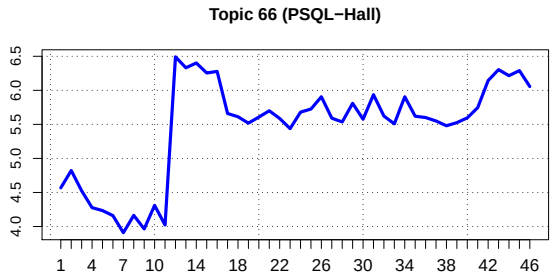
"path path", {*path databas dir char directori maxpgpath tablespac snprintf strlen els file*}

Best matching topic evolution (Topic distance = 3.041, Evolution distance = 0.0239):



V	θ	Size	File	Package
46	0.65	861	transam.c	src.backend.access.transam
46	0.64	9201	xact.c	src.backend.access.transam
46	0.59	1795	resowner.c	src.backend.utils.resowner
46	0.39	67	twophase_rmgr.c	src.backend.access.transam
27	0.77	591	transam.c	src.backend.access.transam
27	0.64	7745	xact.c	src.backend.access.transam
27	0.63	1432	resowner.c	src.backend.utils.resowner
27	0.30	697	subtrans.c	src.backend.access.transam
1	0.65	2128	xact.c	src.backend.access.transam
1	0.62	50	xid.c	src.backend.access.transam
1	0.49	962	transam.c	src.backend.access.transam
1	0.43	757	transsup.c	src.backend.access.transam

"current transact", {*transact commit xid abort xact owner current resourc block command tran*}



V	θ	Size	File	Package
12	1.00	105	pg_namespace.c	src.backend.catalog
12	1.00	1914	pg_operator.c	src.backend.catalog
12	0.89	1010	pg_type.c	src.backend.catalog
12	0.47	558	operatorcmds.c	src.backend.commands
36	1.00	1918	pg_operator.c	src.backend.catalog
36	0.87	1289	pg_type.c	src.backend.catalog
36	0.79	120	pg_namespace.c	src.backend.catalog
36	0.43	824	operatorcmds.c	src.backend.commands
7	0.92	2250	pg_operator.c	src.backend.catalog
7	0.87	1204	pg_type.c	src.backend.catalog
7	0.31	602	pg_aggregate.c	src.backend.catalog
7	0.31	904	remove.c	src.backend.commands

"valu anum", {*type oid valu object datum tup heap depend desc referenc procedur*}

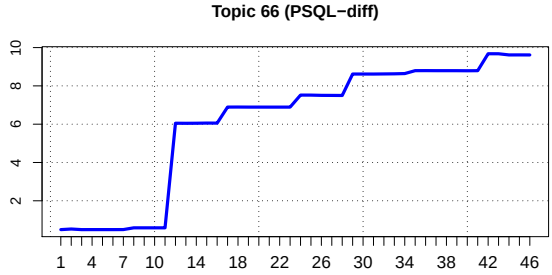
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
66	0.8976	0.4038
6	1.0261	0.2762
76	1.0377	0.0078

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
76	1.0377	0.0078
92	2.7341	0.0103
72	2.8306	0.0223

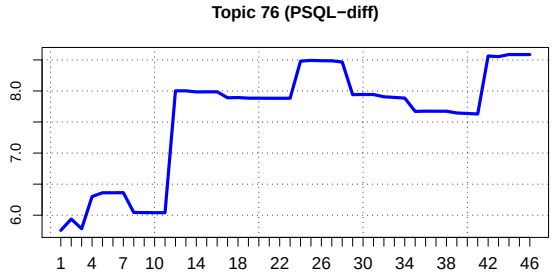
Best matching topic (Topic distance = 0.898, Evolution distance = 0.4038):



V	θ	Size	File	Package
42	0.69	1251	pg_depend.c	src.backend.catalog
42	0.64	1427	pg_constraint.c	src.backend.catalog
42	0.62	2946	pg_shdepend.c	src.backend.catalog
42	0.58	5166	dependency.c	src.backend.catalog
18	0.73	453	pg_depend.c	src.backend.catalog
18	0.66	1001	pg_constraint.c	src.backend.catalog
18	0.63	4006	dependency.c	src.backend.catalog
18	0.48	578	proclang.c	src.backend.commands
3	0.23	356	proclang.c	src.backend.commands
3	0.10	256	sets.c	src.backend.utils.adt
3	0.05	2244	pg_operator.c	src.backend.catalog
3	0.04	1156	pg_type.c	src.backend.catalog

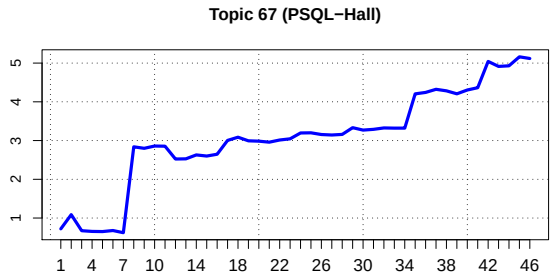
"object datum", {*object depend oid rel tup heap owner relat constraint datum form*}

Best matching topic evolution (Topic distance = 1.038, Evolution distance = 0.0078):



V	θ	Size	File	Package
44	0.53	4514	lsyscache.c	src.backend.utils.cache
44	0.47	5958	namespace.c	src.backend.catalog
44	0.40	751	enum.c	src.backend.utils.adt
44	0.37	2506	regproc.c	src.backend.utils.adt
19	0.56	3366	lsyscache.c	src.backend.utils.cache
19	0.46	3525	namespace.c	src.backend.catalog
19	0.39	574	typcache.c	src.backend.utils.cache
19	0.37	63	superuser.c	src.backend.utils.misc
1	0.54	1088	lsyscache.c	src.backend.utils.cache
1	0.50	24	superuser.c	src.backend.utils.misc
1	0.36	431	parse_type.c	src.backend.parser
1	0.28	36	format.c	src.backend.utils.error

"oid oid", {*oid cach datum tupl form search object valid heap tup invalid*}



V	θ	Size	File	Package
45	0.81	4273	freespace.c	src.backend.storage.freespace
45	0.77	2709	vacuumlazy.c	src.backend.commands
45	0.59	8804	vacuum.c	src.backend.commands
45	0.36	897	pg_freespacemap.c	contrib.pg_freespacemap
18	0.80	4345	freespace.c	src.backend.storage.freespace
18	0.73	2418	vacuumlazy.c	src.backend.commands
18	0.61	6811	vacuum.c	src.backend.commands
18	0.30	453	pgstattuple.c	contrib.pgstattuple
7	0.56	5452	vacuum.c	src.backend.commands
7	0.04	719	temprel.c	src.backend.utils.cache
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"free space", {*page free vacuum space rel index num relat number data move*}

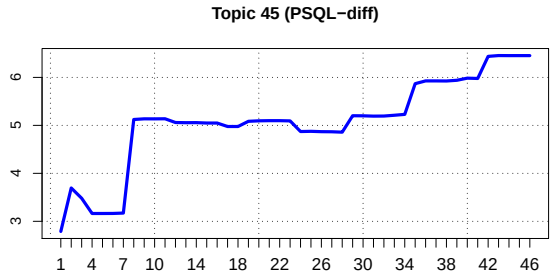
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
45	1.1076	0.1116
19	1.2743	0.2079
41	1.4945	0.0790

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
95	3.7308	0.0643
36	2.4705	0.0707
41	1.4945	0.0790

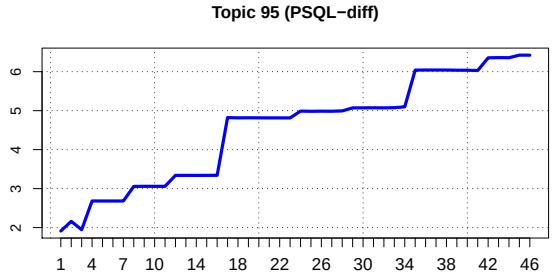
Best matching topic (Topic distance = 1.108, Evolution distance = 0.1116):



V	θ	Size	File	Package
43	0.64	4273	freespace.c	src.backend.storage.freespace
43	0.45	2621	aset.c	src.backend.utils.mmgr
43	0.29	897	pg_freespacemap.c	contrib.pg_freespacemap
43	0.16	296	variables.c	src.bin.psql
22	0.65	4345	freespace.c	src.backend.storage.freespace
22	0.47	2528	aset.c	src.backend.utils.mmgr
22	0.18	453	pgstattuple.c	contrib.pgstattuple
22	0.17	663	freelist.c	src.backend.storage.buffer
1	0.53	1163	aset.c	src.backend.utils.mmgr
1	0.26	2050	freefuncs.c	src.backend.nodes
1	0.21	834	chunk.c	src.backend.utils.adt
1	0.19	632	freelist.c	src.backend.storage.buffer

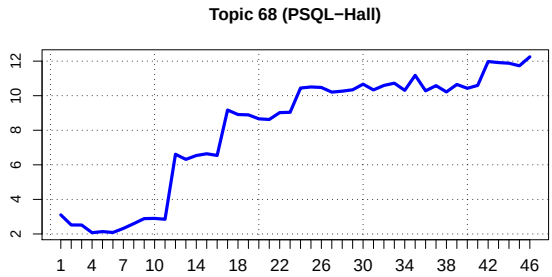
"free space", {*free chunk space alloc page block rel num map fsm size*}

Best matching topic evolution (Topic distance = 3.731, Evolution distance = 0.0643):



V	θ	Size	File	Package
45	0.42	6119	tuplesort.c	src.backend.utils.sort
45	0.42	1830	tuplestore.c	src.backend.utils.sort
45	0.41	613	hstore_io.c	contrib.hstore
45	0.33	399	tsvector_parser.c	src.backend.utils.adt
17	0.47	4134	tuplesort.c	src.backend.utils.sort
17	0.45	1404	tuplestore.c	src.backend.utils.sort
17	0.24	530	nodeSort.c	src.backend.executor
17	0.20	673	ltxtquery_io.c	contrib.ltree
1	0.51	3700	tuplesort.c	src.backend.utils.sort
1	0.21	713	nodeSort.c	src.backend.executor
1	0.11	915	nbtsort.c	src.backend.access.nbtree
1	0.10	2128	xact.c	src.backend.access.transam

"state state", {*state sort end els tuplesort begin len memori tuplestor mem val*}



V	θ	Size	File	Package
46	0.93	627	conversioncmds.c	src.backend.commands
46	0.87	3552	comment.c	src.backend.commands
46	0.86	117	lockcmds.c	src.backend.commands
46	0.82	941	schemacmds.c	src.backend.commands
17	0.93	108	lockcmds.c	src.backend.commands
17	0.87	360	conversioncmds.c	src.backend.commands
17	0.84	2162	comment.c	src.backend.commands
17	0.77	595	schemacmds.c	src.backend.commands
4	0.73	1634	comment.c	src.backend.commands
4	0.31	904	remove.c	src.backend.commands
4	0.21	393	rewriteRemove.c	src.backend.rewrite
4	0.21	1143	dbcommands.c	src.backend.commands

"errcod errcod", {*oid object heap relat errcod stmt tupl error comment owner rel*}

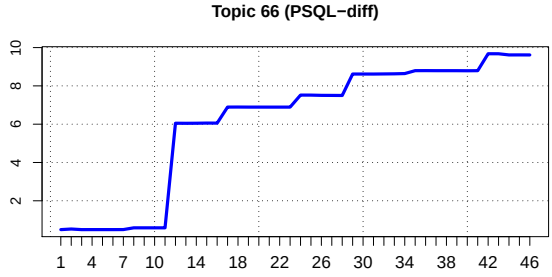
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
66	0.6764	0.0465
6	0.8737	0.9388
76	1.0025	0.2258

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
88	3.2608	0.0359
66	0.6764	0.0465
63	1.5606	0.0473

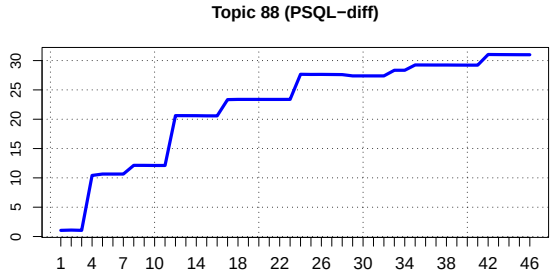
Best matching topic (Topic distance = 0.676, Evolution distance = 0.0465):



V	θ	Size	File	Package
42	0.69	1251	pg_depend.c	src.backend.catalog
42	0.64	1427	pg_constraint.c	src.backend.catalog
42	0.62	2946	pg_shdepend.c	src.backend.catalog
42	0.58	5166	dependency.c	src.backend.catalog
18	0.73	453	pg_depend.c	src.backend.catalog
18	0.66	1001	pg_constraint.c	src.backend.catalog
18	0.63	4006	dependency.c	src.backend.catalog
18	0.48	578	proclang.c	src.backend.commands
3	0.23	356	proclang.c	src.backend.commands
3	0.10	256	sets.c	src.backend.utils.adt
3	0.05	2244	pg_operator.c	src.backend.catalog
3	0.04	1156	pg_type.c	src.backend.catalog

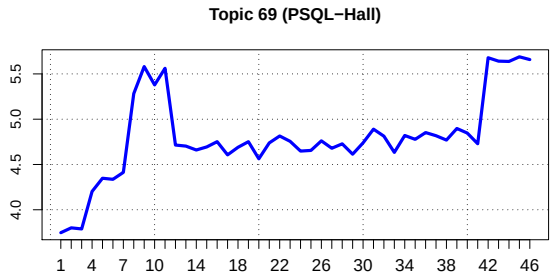
"object datum", {*object depend oid rel tup heap owner relat constraint datum form*}

Best matching topic evolution (Topic distance = 3.261, Evolution distance = 0.0359):



V	θ	Size	File	Package
42	0.64	173	nbtcompare.c	src.backend.access.nbtree
42	0.51	753	_int_op.c	contrib.intarray
42	0.44	293	uuid-ossp.c	contrib.uuid-ossp
42	0.43	223	xid.c	src.backend.utils.adt
18	0.64	108	nbtcompare.c	src.backend.access.nbtree
18	0.51	761	_int_op.c	contrib.intarray
18	0.44	1208	int.c	src.backend.utils.adt
18	0.43	221	xid.c	src.backend.utils.adt
1	0.23	264	datum.c	src.backend.utils.adt
1	0.13	95	excid.c	src.backend.utils.error
1	0.06	218	autoinc.c	contrib.spi
1	0.05	241	noup.c	contrib.noupdate

"function arg", {*datum function getarg arg pointer call info direct cstring copi intern*}



V	θ	Size	File	Package
45	0.93	4973	analyze.c	src.backend.parser
45	0.87	4392	parse_relation.c	src.backend.parser
45	0.76	4063	parse_clause.c	src.backend.parser
45	0.66	2817	parse_target.c	src.backend.parser
30	0.93	7901	analyze.c	src.backend.parser
30	0.85	3812	parse_relation.c	src.backend.parser
30	0.78	3765	parse_clause.c	src.backend.parser
30	0.66	2405	parse_target.c	src.backend.parser
1	0.77	4976	analyze.c	src.backend.parser
1	0.76	943	parse_target.c	src.backend.parser
1	0.75	999	parse_relation.c	src.backend.parser
1	0.59	2609	parse_clause.c	src.backend.parser

"state pstate", {*pstate list rte stmt transform column node target pars entri rang*}

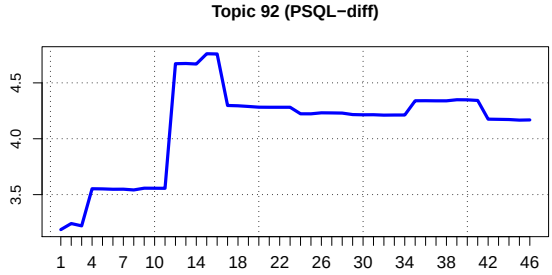
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
92	0.4473	0.0307
5	0.5480	0.0109
90	1.0313	0.0969

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
25	3.0893	0.0103
5	0.5480	0.0109
78	1.5553	0.0135

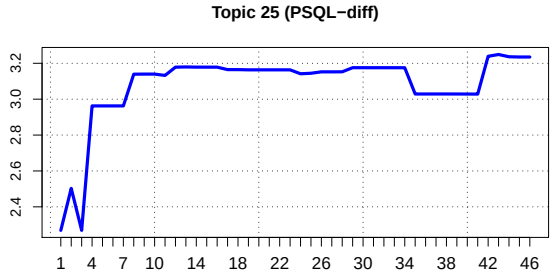
Best matching topic (Topic distance = 0.447, Evolution distance = 0.0307):



V	θ	Size	File	Package
15	0.78	3859	parse_relation.c	src.backend.parser
15	0.53	981	parse_target.c	src.backend.parser
15	0.46	3166	parse_clause.c	src.backend.parser
15	0.30	896	print.c	src.backend.nodes
25	0.75	4257	parse_relation.c	src.backend.parser
25	0.44	2085	parse_target.c	src.backend.parser
25	0.40	3628	parse_clause.c	src.backend.parser
25	0.29	932	print.c	src.backend.nodes
1	0.72	999	parse_relation.c	src.backend.parser
1	0.53	943	parse_target.c	src.backend.parser
1	0.46	2609	parse_clause.c	src.backend.parser
1	0.33	567	print.c	src.backend.nodes

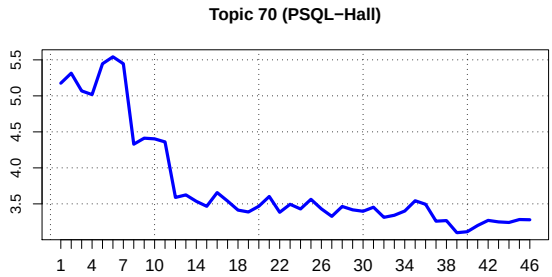
"rang tbl", {*rte rang attr node pstate entri tbl var list column join*}

Best matching topic evolution (Topic distance = 3.089, Evolution distance = 0.0103):



V	θ	Size	File	Package
43	0.59	2155	deadlock.c	src.backend.storage.lmgr
43	0.54	505	shmqueue.c	src.backend.storage.ipc
43	0.45	2799	procarray.c	src.backend.storage.ipc
43	0.40	3343	proc.c	src.backend.storage.lmgr
28	0.60	2081	deadlock.c	src.backend.storage.lmgr
28	0.54	505	shmqueue.c	src.backend.storage.ipc
28	0.44	2548	proc.c	src.backend.storage.lmgr
28	0.39	4305	lock.c	src.backend.storage.lmgr
3	0.57	516	shmqueue.c	src.backend.storage.ipc
3	0.52	4738	lock.c	src.backend.storage.lmgr
3	0.50	2024	proc.c	src.backend.storage.lmgr
3	0.26	787	sinval.c	src.backend.storage.ipc

"proc proc", {*proc lock xid holder wait queue method hold tabl pgproc backend*}



V	θ	Size	File	Package
6	0.94	1318	lsyscache.c	src.backend.utils.cache
6	0.65	31	superuser.c	src.backend.utils.misc
6	0.56	444	parse_type.c	src.backend.parser
6	0.52	849	syscache.c	src.backend.utils.cache
28	0.96	3504	lsyscache.c	src.backend.utils.cache
28	0.57	1169	syscache.c	src.backend.utils.cache
28	0.44	238	common.c	contrib.tsearch2
28	0.32	1233	typcache.c	src.backend.utils.cache
39	0.95	3838	lsyscache.c	src.backend.utils.cache
39	0.52	1230	syscache.c	src.backend.utils.cache
39	0.40	272	common.c	contrib.tsearch2
39	0.26	1188	typcache.c	src.backend.utils.cache

"releas cach", {*oid cach type tupl heap form datum result object search opclass*}

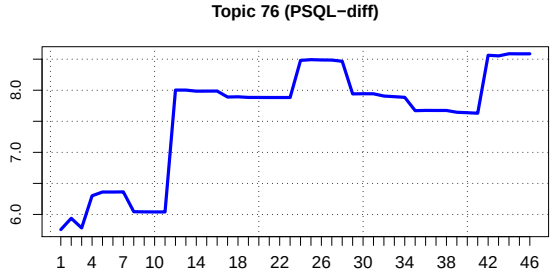
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
76	0.4381	0.1900
57	1.4103	0.0774
55	1.4933	0.2494

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
18	4.1962	0.0062
6	1.5731	0.0158
90	3.0422	0.0181

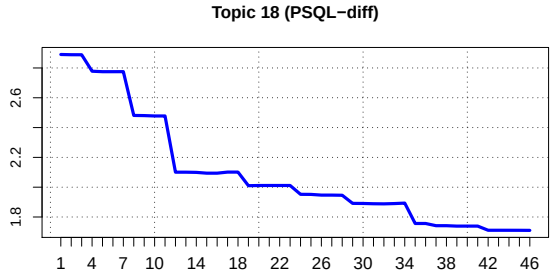
Best matching topic (Topic distance = 0.438, Evolution distance = 0.1900):



V	θ	Size	File	Package
44	0.53	4514	lsyscache.c	src.backend.utils.cache
44	0.47	5958	namespace.c	src.backend.catalog
44	0.40	751	enum.c	src.backend.utils.adt
44	0.37	2506	regproc.c	src.backend.utils.adt
19	0.56	3366	lsyscache.c	src.backend.utils.cache
19	0.46	3525	namespace.c	src.backend.catalog
19	0.39	574	typcache.c	src.backend.utils.cache
19	0.37	63	superuser.c	src.backend.utils.misc
1	0.54	1088	lsyscache.c	src.backend.utils.cache
1	0.50	24	superuser.c	src.backend.utils.misc
1	0.36	431	parse_type.c	src.backend.parser
1	0.28	36	format.c	src.backend.utils.error

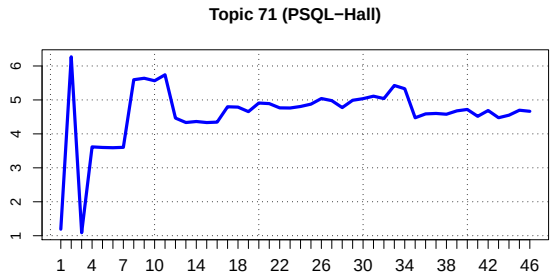
"oid oid", {*oid cach datum tupl form search object valid heap tup invalid*}

Best matching topic evolution (Topic distance = 4.196, Evolution distance = 0.0062):



V	θ	Size	File	Package
1	0.69	4151	pl_gram.c	src.pl.plpgsql.src
1	0.49	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.48	2343	pl_comp.c	src.pl.plpgsql.src
1	0.36	4814	pl_exec.c	src.pl.plpgsql.src
24	0.69	6044	pl_gram.c	src.pl.plpgsql.src
24	0.45	1612	pl_funcs.c	src.pl.plpgsql.src
24	0.34	3663	pl_comp.c	src.pl.plpgsql.src
24	0.22	8521	pl_exec.c	src.pl.plpgsql.src
46	0.54	5586	pl_gram.c	src.pl.plpgsql.src
46	0.44	1868	pl_funcs.c	src.pl.plpgsql.src
46	0.32	4157	pl_comp.c	src.pl.plpgsql.src
46	0.20	10388	pl_exec.c	src.pl.plpgsql.src

"plpgsql plpgsql", {*plpgsql sql stmt var row rec dtype expr new variabl lineno*}



V	θ	Size	File	Package
2	1.00	1032	fe-print.c	src.interfaces.libpq
2	0.98	1740	print.c	src.bin.psql
2	0.55	195	pgdatabase.cc	src.interfaces.libpq++
2	0.49	69	tuple.c	src.interfaces.odbc
45	1.00	1120	fe-print.c	src.interfaces.libpq
45	0.96	3464	print.c	src.bin.psql
45	0.40	182	crypt-gensalt.c	contrib.pgcrypto
45	0.33	314	mbprint.c	src.bin.psql
3	0.33	415	mpgsql.c	contrib.mSQL-interface
3	0.16	108	halt.c	src.tools.entab
3	0.14	1016	portal.c	src.backend.libpq
3	0.12	295	entab.c	src.tools.entab

"fprintf output", {*opt field fout ptr count output print fput fprintf for col*}

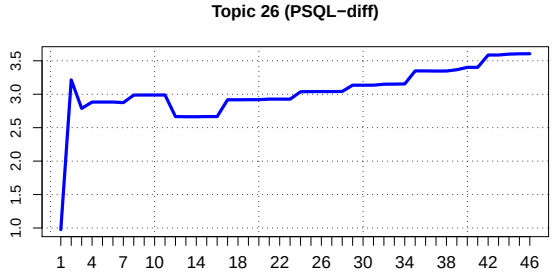
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
26	1.3432	0.0615
64	1.9831	0.0715
53	2.1515	0.0712

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
47	2.9725	0.0483
59	5.2653	0.0560
25	3.4701	0.0568

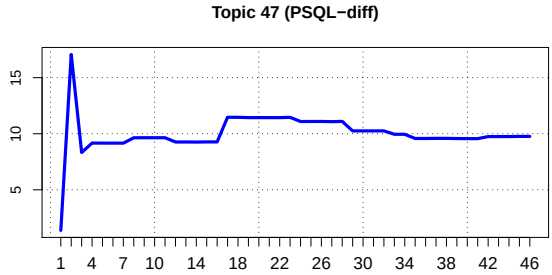
Best matching topic (Topic distance = 1.343, Evolution distance = 0.0615):



V	θ	Size	File	Package
46	0.83	3464	print.c	src.bin.psql
46	0.44	7973	copy.c	src.backend.commands
46	0.42	1120	fe-print.c	src.interfaces.libpq
46	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
24	0.89	1970	print.c	src.bin.psql
24	0.43	1092	fe-print.c	src.interfaces.libpq
24	0.41	5727	copy.c	src.backend.commands
24	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
1	0.33	15	geqo_copy.c	src.backend.optimizer.geqo
1	0.24	2601	copy.c	src.backend.commands
1	0.18	295	entab.c	src.tools.entab
1	0.07	415	mpgsql.c	contrib.mSQL-interface

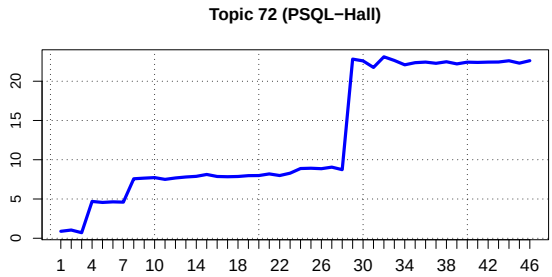
"cstate raw", {*copi cstate ptr line opt fout raw count eof print els*}

Best matching topic evolution (Topic distance = 2.972, Evolution distance = 0.0483):



V	θ	Size	File	Package
2	0.77	173	pgconnection.cc	src.interfaces.libpq++
2	0.74	156	testlibpq2.c	src.test.examples
2	0.65	3901	fe-connect.c	src.interfaces.libpq
2	0.65	238	testlibpq4.c	src.test.examples
43	0.73	2752	fe-protocol2.c	src.interfaces.libpq
43	0.70	191	testlibpq.c	src.test.examples
43	0.67	3891	fe-protocol3.c	src.interfaces.libpq
43	0.66	235	testlibpq4.c	src.test.examples
1	0.36	1204	pgbench.c	contrib.pgbench
1	0.32	299	vacuumlo.c	contrib.vacuumlo
1	0.31	415	mpgsql.c	contrib.mSQL-interface
1	0.15	418	be-pqexec.c	src.backend.libpq

"conn conn", {*conn connect error messag statu buffer pgre msg pgconn queri option*}



V	θ	Size	File	Package
32	1.00	1022	openssl.c	contrib.pgcrypto
32	1.00	366	pgp-cfb.c	contrib.pgcrypto
32	1.00	14	pgp-mpi-internal.c	contrib.pgcrypto
32	1.00	9	isnan.c	src.backend.port.qnx4
23	1.00	592	openssl.c	contrib.pgcrypto
23	1.00	268	px.c	contrib.pgcrypto
23	0.98	488	internal.c	contrib.pgcrypto
23	0.92	335	mhash.c	contrib.pgcrypto
3	0.29	1853	fmgr.c	src.backend.utils.fmgr
3	0.15	96	nbtcompare.c	src.backend.access.nbtree
3	0.09	204	name.c	src.backend.utils.adt
3	0.06	1150	mcxt.c	src.backend.utils.mmgr

"data ctx", {*data ctx kei uint len free cipher encrypt buf size init*}

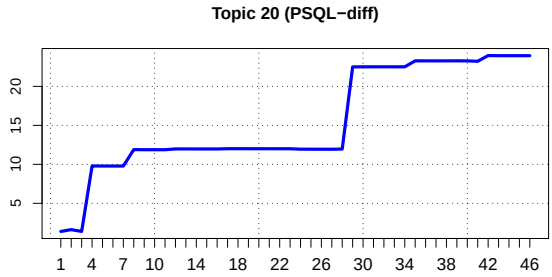
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
20	0.7853	0.0855
11	1.8684	0.4827
22	2.1018	0.4968

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
20	0.7853	0.0855
37	3.3158	0.1359
7	3.1182	0.1453

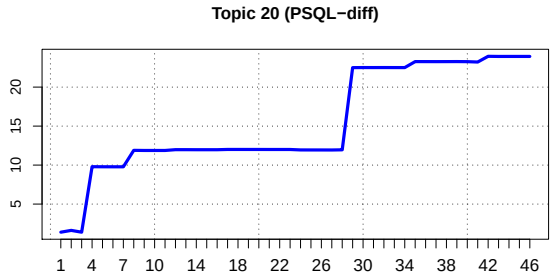
Best matching topic (Topic distance = 0.785, Evolution distance = 0.0855):



V	θ	Size	File	Package
42	0.99	303	internal-sha2.c	contrib.pgcrypto
42	0.93	366	pgp-cfb.c	contrib.pgcrypto
42	0.88	227	pgp-pubenc.c	contrib.pgcrypto
42	0.85	800	pgp-encrypt.c	contrib.pgcrypto
21	0.84	592	openssl.c	contrib.pgcrypto
21	0.82	488	internal.c	contrib.pgcrypto
21	0.82	268	px.c	contrib.pgcrypto
21	0.78	172	pg_backup_null.c	src.bin.pg_dump
1	0.26	322	inet_net_ntop.c	src.backend.utils.adt
1	0.22	449	inet_net_pton.c	src.backend.utils.adt
1	0.14	295	entab.c	src.tools.entab
1	0.10	208	hashfunc.c	src.backend.access.hash

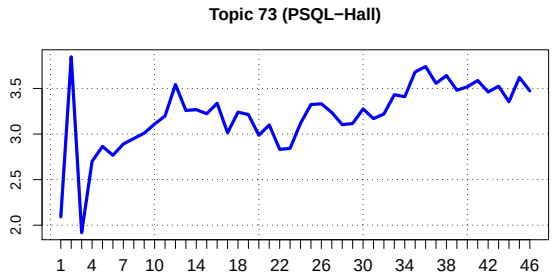
"die horribl", {*ctx uint len dst data toc archiv src blob digest free*}

Best matching topic evolution (Topic distance = 0.785, Evolution distance = 0.0855):



V	θ	Size	File	Package
42	0.99	303	internal-sha2.c	contrib.pgcrypto
42	0.93	366	pgp-cfb.c	contrib.pgcrypto
42	0.88	227	pgp-pubenc.c	contrib.pgcrypto
42	0.85	800	pgp-encrypt.c	contrib.pgcrypto
21	0.84	592	openssl.c	contrib.pgcrypto
21	0.82	488	internal.c	contrib.pgcrypto
21	0.82	268	px.c	contrib.pgcrypto
21	0.78	172	pg_backup_null.c	src.bin.pg_dump
1	0.26	322	inet_net_ntop.c	src.backend.utils.adt
1	0.22	449	inet_net_pton.c	src.backend.utils.adt
1	0.14	295	entab.c	src.tools.entab
1	0.10	208	hashfunc.c	src.backend.access.hash

"die horribl", {*ctx uint len dst data toc archiv src blob digest free*}



V	θ	Size	File	Package
2	0.99	12341	preproc.c	src.interfaces.ecpg.preproc
2	0.25	204	name.c	src.backend.utils.adt
2	0.25	16	step1.c	contrib.spi.preprocessor
2	0.19	499	pqexpbuffer.c	src.interfaces.libpq
27	1.00	18275	preproc.c	src.interfaces.ecpg.preproc
27	0.40	60	value.c	src.backend.nodes
27	0.19	16	step1.c	contrib.spi.preprocessor
27	0.19	541	pqexpbuffer.c	src.interfaces.libpq
3	0.25	16	step1.c	contrib.spi.preprocessor
3	0.19	204	name.c	src.backend.utils.adt
3	0.16	287	stringinfo.c	src.backend.lib
3	0.15	27	wstrncmp.c	src.backend.utils.mb

"str str", {*str line make type cat defin sql error empti index variabl*}

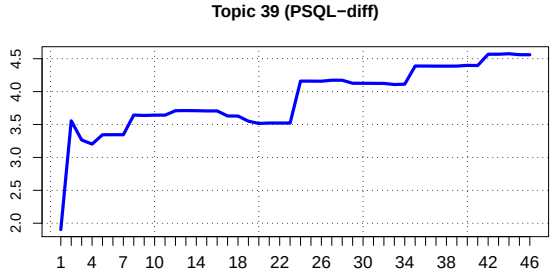
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
39	0.0592	0.0154
89	1.5279	0.1367
42	1.8383	0.0184

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
39	0.0592	0.0154
59	5.8655	0.0167
98	2.6221	0.0175

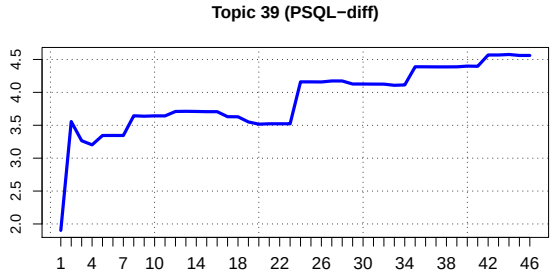
Best matching topic (Topic distance = 0.059, Evolution distance = 0.0154):



V	θ	Size	File	Package
44	0.87	20963	preproc.c	src.interfaces.ecpg.preproc
44	0.37	60	value.c	src.backend.nodes
44	0.26	324	output.c	src.interfaces.ecpg.preproc
44	0.22	506	descriptor.c	src.interfaces.ecpg.preproc
13	0.88	15511	preproc.c	src.interfaces.ecpg.preproc
13	0.21	24	wstrncmp.c	src.backend.utils.mb
13	0.19	3968	outfuncs.c	src.backend.nodes
13	0.19	16	step1.c	contrib.spi.preprocessor
1	0.20	3419	outfuncs.c	src.backend.nodes
1	0.19	287	stringinfo.c	src.backend.lib
1	0.19	16	step1.c	contrib.spi.preprocessor
1	0.19	27	wstrncmp.c	src.backend.utils.mb

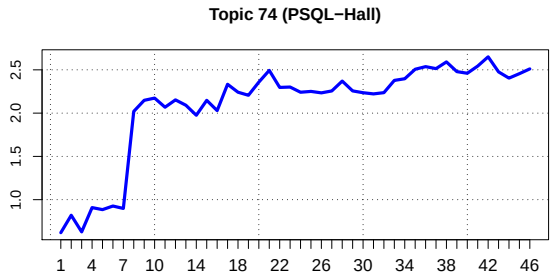
"str str", {*str line make cat type empti error connect index opt statem*}

Best matching topic evolution (Topic distance = 0.059, Evolution distance = 0.0154):



V	θ	Size	File	Package
44	0.87	20963	preproc.c	src.interfaces.ecpg.preproc
44	0.37	60	value.c	src.backend.nodes
44	0.26	324	output.c	src.interfaces.ecpg.preproc
44	0.22	506	descriptor.c	src.interfaces.ecpg.preproc
13	0.88	15511	preproc.c	src.interfaces.ecpg.preproc
13	0.21	24	wstrncmp.c	src.backend.utils.mb
13	0.19	3968	outfuncs.c	src.backend.nodes
13	0.19	16	step1.c	contrib.spi.preprocessor
1	0.20	3419	outfuncs.c	src.backend.nodes
1	0.19	287	stringinfo.c	src.backend.lib
1	0.19	16	step1.c	contrib.spi.preprocessor
1	0.19	27	wstrncmp.c	src.backend.utils.mb

"str str", {*str line make cat type empti error connect index opt statem*}



V	θ	Size	File	Package
42	0.86	6203	pgstat.c	src.backend.postmaster
42	0.59	1425	pgstatfuncs.c	src.backend.utils.adt
42	0.22	5158	autovacuum.c	src.backend.postmaster
42	0.12	1166	pgstattuple.c	contrib.pgstattuple
18	1.00	4563	pgstat.c	src.backend.postmaster
18	0.53	696	pgstatfuncs.c	src.backend.utils.adt
18	0.21	162	instrument.c	src.backend.executor
18	0.18	833	ts_stat.c	contrib.tsearch2
1	0.51	707	stats.c	src.backend.access.heap
1	0.03	644	dfmgr.c	src.backend.utils.fmgr
1	0.03	3011	postgres.c	src.backend.tcop
1	0.03	6246	vacuum.c	src.backend.commands

"stat stat", {*stat pgstat msg hash tabl entri backend collector oid databas messag*}

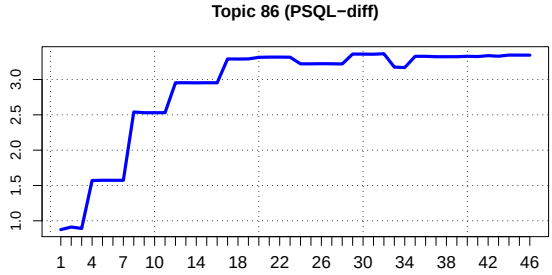
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
86	0.5032	0.0114
71	1.5661	0.0655
41	1.6009	0.0587

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
86	0.5032	0.0114
45	2.9810	0.0355
65	3.6399	0.0372

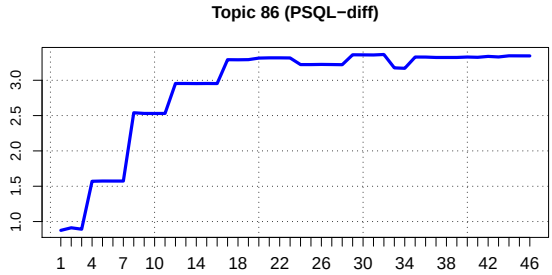
Best matching topic (Topic distance = 0.503, Evolution distance = 0.0114):



V	θ	Size	File	Package
32	0.59	5677	pgstat.c	src.backend.postmaster
32	0.44	842	pgstatfuncs.c	src.backend.utils.adt
32	0.31	4058	analyze.c	src.backend.commands
32	0.31	96	qsort.c	src.port
26	0.55	4916	pgstat.c	src.backend.postmaster
26	0.46	693	pgstatfuncs.c	src.backend.utils.adt
26	0.30	99	qsort.c	src.port
26	0.30	4012	analyze.c	src.backend.commands
1	0.34	707	stats.c	src.backend.access.heap
1	0.15	6246	vacuum.c	src.backend.commands
1	0.13	295	entab.c	src.tools.entab
1	0.10	823	sinvaladt.c	src.backend.storage.ipc

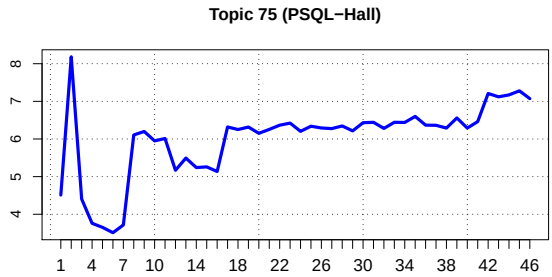
"stat stat", {*stat pgstat statist msg cnt backend len tabl count collector messag*}

Best matching topic evolution (Topic distance = 0.503, Evolution distance = 0.0114):



V	θ	Size	File	Package
32	0.59	5677	pgstat.c	src.backend.postmaster
32	0.44	842	pgstatfuncs.c	src.backend.utils.adt
32	0.31	4058	analyze.c	src.backend.commands
32	0.31	96	qsort.c	src.port
26	0.55	4916	pgstat.c	src.backend.postmaster
26	0.46	693	pgstatfuncs.c	src.backend.utils.adt
26	0.30	99	qsort.c	src.port
26	0.30	4012	analyze.c	src.backend.commands
1	0.34	707	stats.c	src.backend.access.heap
1	0.15	6246	vacuum.c	src.backend.commands
1	0.13	295	entab.c	src.tools.entab
1	0.10	823	sinvaladt.c	src.backend.storage.ipc

"stat stat", {*stat pgstat statist msg cnt backend len tabl count collector messag*}



V	θ	Size	File	Package
2	0.62	595	pquery.c	src.backend.tcop
2	0.60	129	pgcursordb.cc	src.interfaces.libpq++
2	0.44	487	dest.c	src.backend.tcop
2	0.38	2180	portalmem.c	src.backend.utils.mmgr
38	0.87	1075	portalcmds.c	src.backend.commands
38	0.85	3585	pquery.c	src.backend.tcop
38	0.75	400	dest.c	src.backend.tcop
38	0.57	7792	postgres.c	src.backend.tcop
6	0.61	492	pquery.c	src.backend.tcop
6	0.48	416	dest.c	src.backend.tcop
6	0.46	529	portalmem.c	src.backend.utils.mmgr
6	0.37	3723	postgres.c	src.backend.tcop

"portal portal", {*portal queri stmt command list tag dest parsetre param statem util*}

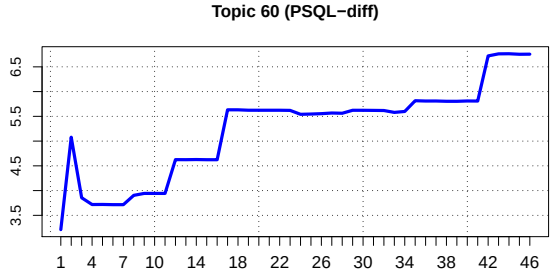
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
60	0.2536	0.0262
41	1.5410	0.0747
82	1.6799	0.0919

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
55	2.8966	0.0191
64	2.5039	0.0192
11	4.3827	0.0239

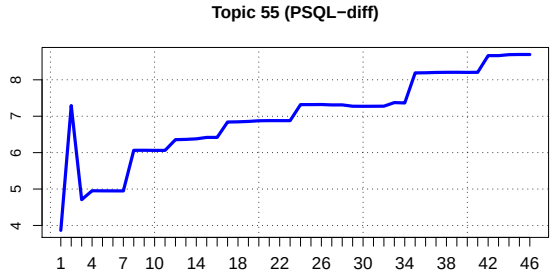
Best matching topic (Topic distance = 0.254, Evolution distance = 0.0262):



V	θ	Size	File	Package
44	0.64	3738	pquery.c	src.backend.tcop
44	0.59	964	portalcmds.c	src.backend.commands
44	0.57	102	tstoreReceiver.c	src.backend.executor
44	0.54	400	dest.c	src.backend.tcop
34	0.64	3424	pquery.c	src.backend.tcop
34	0.61	1053	portalcmds.c	src.backend.commands
34	0.55	1484	prepare.c	src.backend.commands
34	0.54	107	tstoreReceiver.c	src.backend.executor
1	0.68	595	pquery.c	src.backend.tcop
1	0.37	487	dest.c	src.backend.tcop
1	0.29	786	functions.c	src.backend.executor
1	0.22	1975	spi.c	src.backend.executor

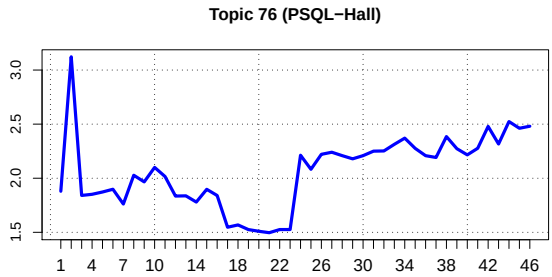
"queri queri", {*queri portal plan command stmt param dest cursor tree desc util*}

Best matching topic evolution (Topic distance = 2.897, Evolution distance = 0.0191):



V	θ	Size	File	Package
45	0.38	612	pseudotypes.c	src.backend.utils.adt
45	0.35	1232	parse_type.c	src.backend.parser
45	0.33	4601	parse_coerce.c	src.backend.parser
45	0.30	593	domains.c	src.backend.utils.adt
30	0.37	502	pseudotypes.c	src.backend.utils.adt
30	0.34	897	parse_type.c	src.backend.parser
30	0.34	3988	parse_coerce.c	src.backend.parser
30	0.25	5437	typecmds.c	src.backend.commands
1	0.55	431	parse_type.c	src.backend.parser
1	0.36	1196	parse_coerce.c	src.backend.parser
1	0.30	1156	pg_type.c	src.backend.catalog
1	0.14	1030	parse_node.c	src.backend.parser

"type type", {*type oid typ typmod arrai elem domain input invalid base els*}



V	θ	Size	File	Package
2	0.83	1682	subselect.c	src.backend.optimizer.plan
2	0.69	939	nodeSubplan.c	src.backend.executor
2	0.13	2321	recipe.c	src.backend.commands._deadcode
2	0.13	91	PGlseg.java	src.interfaces.jdbc.org.postgresql.geometric
10	0.82	1761	subselect.c	src.backend.optimizer.plan
10	0.66	1016	nodeSubplan.c	src.backend.executor
10	0.16	354	XMLFactory.java	contrib.retep.uk.org.retep.xml.core
10	0.11	2321	recipe.c	src.backend.commands._deadcode
21	0.82	2678	subselect.c	src.backend.optimizer.plan
21	0.48	2399	nodeSubplan.c	src.backend.executor
21	0.07	611	vacuumlo.c	contrib.vacuumlo
21	0.06	2929	parse_expr.c	src.backend.parser

"param param", {*param plan node subplan sublink list expr paramid link planner type*}

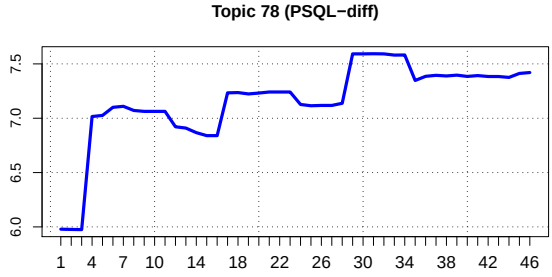
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
78	0.9233	0.0591
51	1.0508	0.0484
54	1.5608	0.2363

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
94	2.6983	0.0279
80	2.8457	0.0283
59	4.0373	0.0310

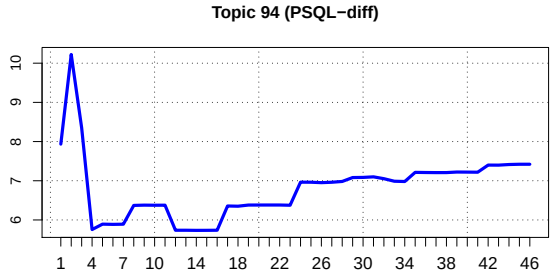
Best matching topic (Topic distance = 0.923, Evolution distance = 0.0591):



V	θ	Size	File	Package
31	0.71	3422	setrefs.c	src.backend.optimizer.plan
31	0.61	4175	planner.c	src.backend.optimizer.plan
31	0.57	3125	subselect.c	src.backend.optimizer.plan
31	0.47	7079	createplan.c	src.backend.optimizer.plan
20	0.69	3721	planner.c	src.backend.optimizer.plan
20	0.69	1989	setrefs.c	src.backend.optimizer.plan
20	0.55	2678	subselect.c	src.backend.optimizer.plan
20	0.51	5986	createplan.c	src.backend.optimizer.plan
3	0.76	1072	setrefs.c	src.backend.optimizer.plan
3	0.66	2194	planner.c	src.backend.optimizer.plan
3	0.63	1682	subselect.c	src.backend.optimizer.plan
3	0.42	746	planmain.c	src.backend.optimizer.plan

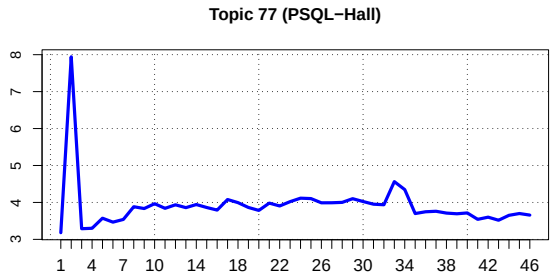
"plan plan", {*plan node tlist list pars subqueri qual subplan var group sort*}

Best matching topic evolution (Topic distance = 2.698, Evolution distance = 0.0279):



V	θ	Size	File	Package
2	0.71	660	int8.c	src.backend.utils.adt
2	0.54	434	odbc.c	contrib.odbc
2	0.44	1904	float.c	src.backend.utils.adt
2	0.27	219	mac.c	src.backend.utils.adt
25	0.24	34	ialloc.c	src.timezone
25	0.21	29	scheck.c	src.timezone
25	0.20	107	inet_aton.c	src.port
25	0.18	1612	int8.c	src.backend.utils.adt
14	0.36	983	int8.c	src.backend.utils.adt
14	0.20	103	inet_aton.c	src.port
14	0.20	2411	float.c	src.backend.utils.adt
14	0.16	189	complex.c	src.tutorial

"result result", {*result pointer val valid palloc check tmp float rang double defin*}



V	θ	Size	File	Package
2	0.99	4911	geo_ops.c	src.backend.utils.adt
2	0.86	37	earthdistance.c	contrib.earthdistance
2	0.79	184	rtproc.c	src.backend.access.rtree
2	0.44	91	PGlseg.java	src.interfaces.jdbc.org.postgresql.geometric
13	1.00	41	earthdistance.c	contrib.earthdistance
13	1.00	5696	geo_ops.c	src.backend.utils.adt
13	0.85	253	rtproc.c	src.backend.access.rtree
13	0.29	86	geo_selfuncs.c	src.backend.utils.adt
1	0.99	4911	geo_ops.c	src.backend.utils.adt
1	0.84	37	earthdistance.c	contrib.earthdistance
1	0.79	184	rtproc.c	src.backend.access.rtree
1	0.21	86	funcs.c	src.tutorial

"low high", {*box point result getarg datum line path function high low arg*}

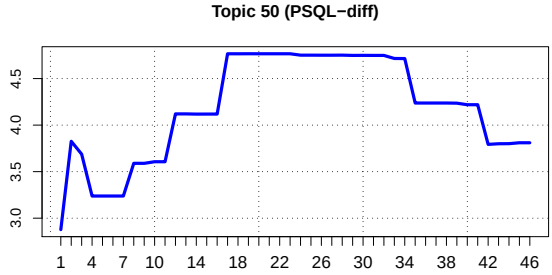
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
50	1.0878	0.0781
88	1.2047	0.4309
94	1.8586	0.0463

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
49	4.3090	0.0376
47	3.0515	0.0385
73	3.0087	0.0449

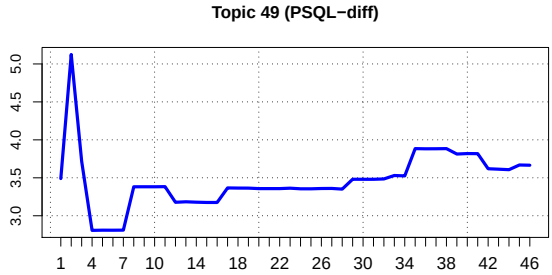
Best matching topic (Topic distance = 1.088, Evolution distance = 0.0781):



V	θ	Size	File	Package
19	0.60	746	spell.c	contrib.tsearch2.ispell
19	0.57	6392	geo_ops.c	src.backend.utils.adt
19	0.56	39	earthdistance.c	contrib.earthdistance
19	0.50	249	rtproc.c	src.backend.access.rtree
41	0.57	6656	geo_ops.c	src.backend.utils.adt
41	0.55	2002	spell.c	contrib.tsearch2.ispell
41	0.50	44	earthdistance.c	contrib.earthdistance
41	0.33	268	big5.c	src.backend.utils.mb.conversion_procs.euc_tw_and_big5
1	0.70	4911	geo_ops.c	src.backend.utils.adt
1	0.67	184	rtproc.c	src.backend.access.rtree
1	0.62	37	earthdistance.c	contrib.earthdistance
1	0.32	268	big5.c	src.backend.utils.mb

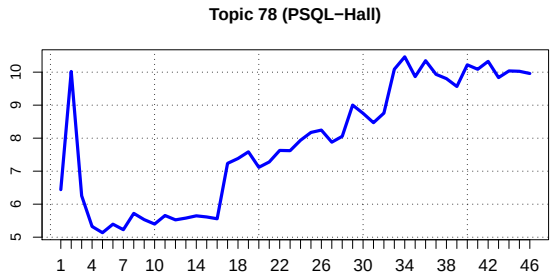
"low high", {*box point low conf high path line str pfree level spell*}

Best matching topic evolution (Topic distance = 4.309, Evolution distance = 0.0376):



V	θ	Size	File	Package
2	0.72	1853	fmgr.c	src.backend.utils.fmgr
2	0.17	144	testlibpq5.cc	src.interfaces.libpq++.examples
2	0.17	12	excabort.c	src.backend.utils.error
2	0.16	83	testlibpq2.cc	src.interfaces.libpq++.examples
10	0.33	436	blf.c	contrib.pgcrypto
10	0.17	12	excabort.c	src.backend.utils.error
10	0.13	758	crypt-blowfish.c	contrib.pgcrypto
10	0.10	164	pg_backup_null.c	src.bin.pg_dump
4	0.17	12	excabort.c	src.backend.utils.error
4	0.10	164	pg_backup_null.c	src.bin.pg_dump
4	0.08	231	nbtstrat.c	src.backend.access.nbtree
4	0.07	328	geqo_pool.c	src.backend.optimizer.geqo

"data data", {*data valu fmgr uint user store break pointer argum finfo endif*}



V	θ	Size	File	Package
34	0.94	1169	buffile.c	src.backend.storage.file
34	0.90	3065	fd.c	src.backend.storage.file
34	0.85	226	open.c	src.port
34	0.75	218	copydir.c	src.port
27	0.93	1169	buffile.c	src.backend.storage.file
27	0.91	2826	fd.c	src.backend.storage.file
27	0.87	227	open.c	src.port
27	0.69	734	dfmgr.c	src.backend.utils.fmgr
5	0.94	1144	buffile.c	src.backend.storage.file
5	0.89	2098	fd.c	src.backend.storage.file
5	0.75	372	dfmgr.c	src.backend.utils.fmgr
5	0.60	770	be-fsstubs.c	src.backend.libpq

"file file", {*file open buf offset close filenam error size seek read alloc*}

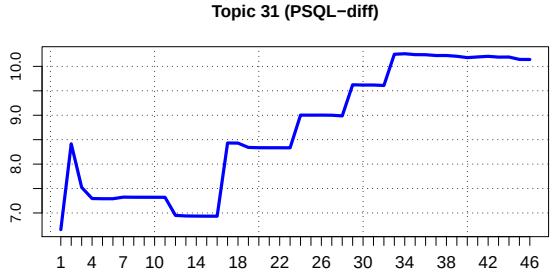
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
31	0.4190	0.0237
41	1.6229	0.0381
96	1.7261	0.0434

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
31	0.4190	0.0237
22	1.9644	0.0243
30	2.7646	0.0324

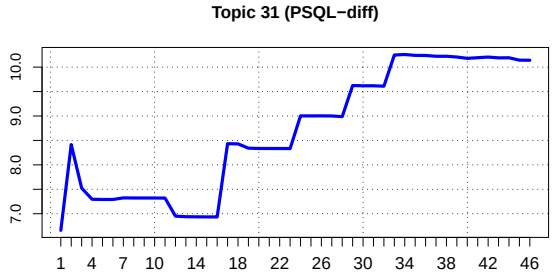
Best matching topic (Topic distance = 0.419, Evolution distance = 0.0237):



V	θ	Size	File	Package
34	0.60	1169	buffile.c	src.backend.storage.file
34	0.59	226	open.c	src.port
34	0.50	504	test_fsync.c	src.tools.fsync
34	0.43	218	copydir.c	src.port
17	0.60	1169	buffile.c	src.backend.storage.file
17	0.55	2142	fd.c	src.backend.storage.file
17	0.49	1414	md.c	src.backend.storage.smgr
17	0.39	80	smgrtype.c	src.backend.storage.smgr
1	0.62	1892	fd.c	src.backend.storage.file
1	0.61	1139	buffile.c	src.backend.storage.file
1	0.59	1539	md.c	src.backend.storage.smgr
1	0.58	59	smgrtype.c	src.backend.storage.smgr

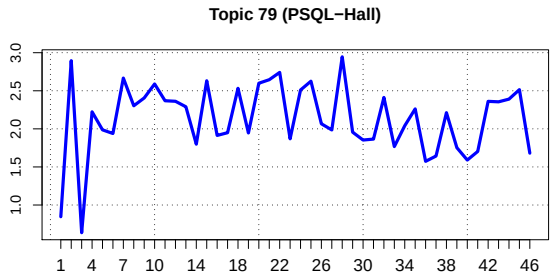
"file file", {*file filenam open write read close errno fail unlink seek fsync*}

Best matching topic evolution (Topic distance = 0.419, Evolution distance = 0.0237):



V	θ	Size	File	Package
34	0.60	1169	buffile.c	src.backend.storage.file
34	0.59	226	open.c	src.port
34	0.50	504	test_fsync.c	src.tools.fsync
34	0.43	218	copydir.c	src.port
17	0.60	1169	buffile.c	src.backend.storage.file
17	0.55	2142	fd.c	src.backend.storage.file
17	0.49	1414	md.c	src.backend.storage.smgr
17	0.39	80	smgrtype.c	src.backend.storage.smgr
1	0.62	1892	fd.c	src.backend.storage.file
1	0.61	1139	buffile.c	src.backend.storage.file
1	0.59	1539	md.c	src.backend.storage.smgr
1	0.58	59	smgrtype.c	src.backend.storage.smgr

"file file", {*file filenam open write read close errno fail unlink seek fsync*}



V	θ	Size	File	Package
28	1.00	5	gethostname.c	src.port
28	1.00	4577	tab-complete.c	src.bin.psql
28	0.10	186	px-crypt.c	contrib.pgcrypto
28	0.09	233	dllist.c	src.backend.lib
38	1.00	5363	tab-complete.c	src.bin.psql
38	0.60	5	gethostname.c	src.port
38	0.08	958	variable.c	src.interfaces.ecpg.preproc
38	0.08	505	shmqueue.c	src.backend.storage.ipc
3	0.15	213	dllist.c	src.backend.lib
3	0.12	632	freelist.c	src.backend.storage.buffer
3	0.08	516	shmqueue.c	src.backend.storage.ipc
3	0.08	368	temprel.c	src.backend.utils.cache

"prev prev", {*prev list strcasecmp queri complet els tabl catalog completion text schema*}

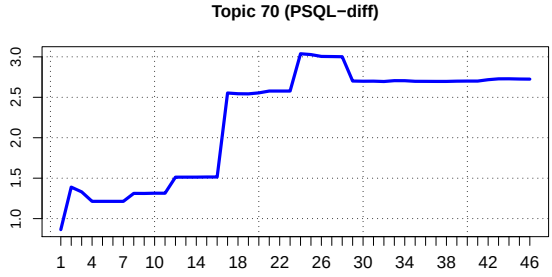
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
70	1.3741	0.2785
52	1.4944	0.1861
79	1.8263	1.4567

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
47	2.5100	0.0784
25	2.9032	0.0821
91	2.3774	0.0980

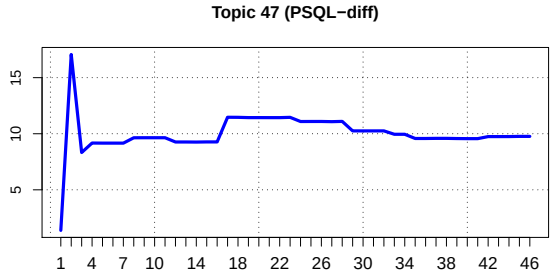
Best matching topic (Topic distance = 1.374, Evolution distance = 0.2785):



V	θ	Size	File	Package
24	0.76	3915	pg_autovacuum.c	contrib.pg_autovacuum
24	0.48	4576	tab-complete.c	src.bin.psql
24	0.32	41	pgsleep.c	src.port
24	0.16	131	geqo_cx.c	src.backend.optimizer.geqo
23	0.80	2327	pg_autovacuum.c	contrib.pg_autovacuum
23	0.44	3837	tab-complete.c	src.bin.psql
23	0.16	131	geqo_cx.c	src.backend.optimizer.geqo
23	0.14	184	dirmod.c	src.port
1	0.17	95	arrayutils.c	src.backend.utils.adt
1	0.16	131	geqo_cx.c	src.backend.optimizer.geqo
1	0.13	213	dllist.c	src.backend.lib
1	0.12	76	common.c	src.backend.utils.mb

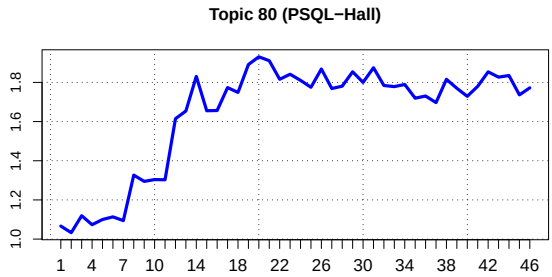
"strcasecmp prev", {*vacuum prev list tabl arg strcasecmp complet tbl cost servic databas*}

Best matching topic evolution (Topic distance = 2.510, Evolution distance = 0.0784):



V	θ	Size	File	Package
2	0.77	173	pgconnection.cc	src.interfaces.libpq++
2	0.74	156	testlibpq2.c	src.test.examples
2	0.65	3901	fe-connect.c	src.interfaces.libpq
2	0.65	238	testlibpq4.c	src.test.examples
43	0.73	2752	fe-protocol2.c	src.interfaces.libpq
43	0.70	191	testlibpq.c	src.test.examples
43	0.67	3891	fe-protocol3.c	src.interfaces.libpq
43	0.66	235	testlibpq4.c	src.test.examples
1	0.36	1204	pgbench.c	contrib.pgbench
1	0.32	299	vacuumlo.c	contrib.vacuumlo
1	0.31	415	mpgsql.c	contrib.mSQL-interface
1	0.15	418	be-pqexec.c	src.backend.libpq

"conn conn", {*conn connect error messag statu buffer pgre msg pgconn queri option*}



V	θ	Size	File	Package
20	0.99	3996	acl.c	src.backend.utils.adt
20	0.44	3463	aclchk.c	src.backend.catalog
20	0.31	983	dumputils.c	src.bin.pg_dump
20	0.16	108	lockcmds.c	src.backend.commands
39	1.00	6998	acl.c	src.backend.utils.adt
39	0.45	5247	aclchk.c	src.backend.catalog
39	0.17	1624	dumputils.c	src.bin.pg_dump
39	0.09	117	lockcmds.c	src.backend.commands
2	0.73	1103	acl.c	src.backend.utils.adt
2	0.27	1128	aclchk.c	src.backend.catalog
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"acl acl", {*acl priv privileg text oid mode type grant datum roleid user*}

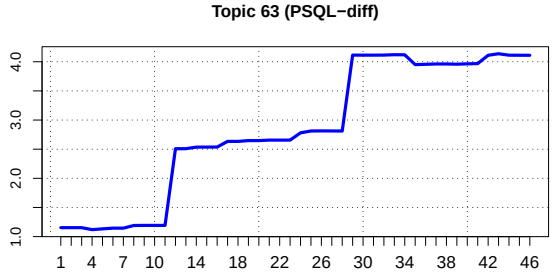
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
63	0.3826	0.1669
76	1.6620	0.0141
41	1.7905	0.0606

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
76	1.6620	0.0141
85	2.5176	0.0155
74	3.0555	0.0198

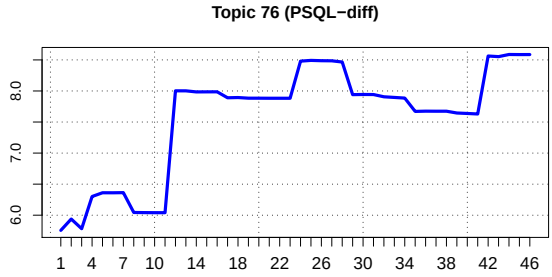
Best matching topic (Topic distance = 0.383, Evolution distance = 0.1669):



V	θ	Size	File	Package
43	0.60	7004	acl.c	src.backend.utils.adt
43	0.51	5504	aclchk.c	src.backend.catalog
43	0.29	155	superuser.c	src.backend.utils.misc
43	0.26	3404	user.c	src.backend.commands
22	0.62	3996	acl.c	src.backend.utils.adt
22	0.52	3463	aclchk.c	src.backend.catalog
22	0.25	983	dumputils.c	src.bin.pg_dump
22	0.25	595	schemacmds.c	src.backend.commands
4	0.47	1270	acl.c	src.backend.utils.adt
4	0.37	1087	aclchk.c	src.backend.catalog
4	0.12	31	superuser.c	src.backend.utils.misc
4	0.09	669	pg_restore.c	src.bin.pg_dump

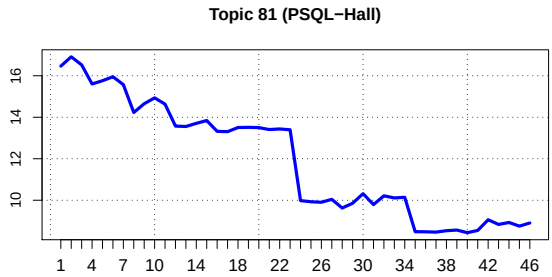
"acl acl", {*acl role privileg priv mode oid user grant aclcheck owner databas*}

Best matching topic evolution (Topic distance = 1.662, Evolution distance = 0.0141):



V	θ	Size	File	Package
44	0.53	4514	lsyscache.c	src.backend.utils.cache
44	0.47	5958	namespace.c	src.backend.catalog
44	0.40	751	enum.c	src.backend.utils.adt
44	0.37	2506	regproc.c	src.backend.utils.adt
19	0.56	3366	lsyscache.c	src.backend.utils.cache
19	0.46	3525	namespace.c	src.backend.catalog
19	0.39	574	typcache.c	src.backend.utils.cache
19	0.37	63	superuser.c	src.backend.utils.misc
1	0.54	1088	lsyscache.c	src.backend.utils.cache
1	0.50	24	superuser.c	src.backend.utils.misc
1	0.36	431	parse_type.c	src.backend.parser
1	0.28	36	format.c	src.backend.utils.error

"oid oid", {*oid cach datum tupl form search object valid heap tup invalid*}



V	θ	Size	File	Package
2	0.99	231	nbtstrat.c	src.backend.access.nbtree
2	0.98	132	scankey.c	src.backend.access.common
2	0.93	596	genam.c	src.backend.access.index
2	0.93	87	hashstrat.c	src.backend.access.hash
30	0.87	1135	nbtutils.c	src.backend.access.nbtree
30	0.85	111	rtstrat.c	src.backend.access.rtree
30	0.74	76	indexvalid.c	src.backend.access.common
30	0.70	235	scankey.c	src.backend.access.common
40	0.73	721	ginscan.c	src.backend.access.gin
40	0.67	235	scankey.c	src.backend.access.common
40	0.65	358	gistscan.c	src.backend.access.gist
40	0.64	2288	nbtutils.c	src.backend.access.nbtree

"scan kei", {*scan kei index number strategi data pointer desc current entri relat*}

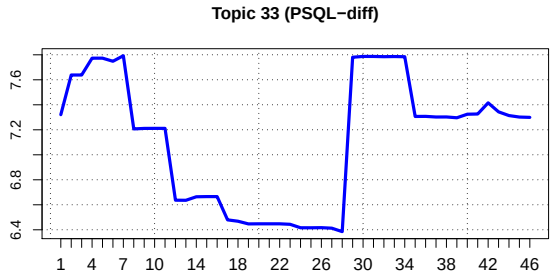
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
33	0.7061	0.1318
23	0.8384	0.0463
81	1.4483	0.0666

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
18	4.0803	0.0228
6	1.4884	0.0249
90	2.9233	0.0321

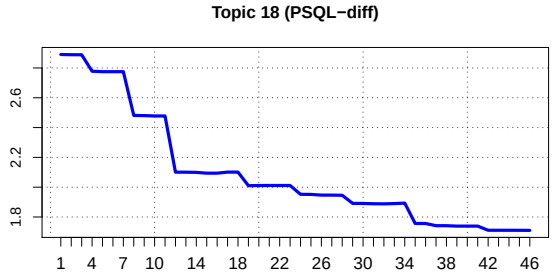
Best matching topic (Topic distance = 0.706, Evolution distance = 0.1318):



V	θ	Size	File	Package
7	0.64	596	genam.c	src.backend.access.index
7	0.51	350	hashscan.c	src.backend.access.hash
7	0.40	759	rtscan.c	src.backend.access.rtree
7	0.40	708	nodeSeqscan.c	src.backend.executor
46	0.37	680	nodeSeqscan.c	src.backend.executor
46	0.35	273	hashscan.c	src.backend.access.hash
46	0.35	543	genam.c	src.backend.access.index
46	0.33	1261	nodeTidscan.c	src.backend.executor
28	0.42	206	hashscan.c	src.backend.access.hash
28	0.38	980	nodeTidscan.c	src.backend.executor
28	0.38	583	genam.c	src.backend.access.index
28	0.37	723	nodeSeqscan.c	src.backend.executor

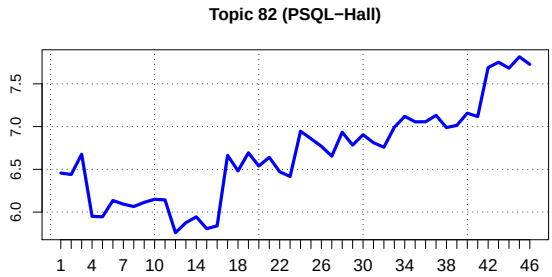
"scan desc", {*scan current index desc tid relat direct kei bitmap pointer item*}

Best matching topic evolution (Topic distance = 4.080, Evolution distance = 0.0228):



V	θ	Size	File	Package
1	0.69	4151	pl_gram.c	src.pl.plpgsql.src
1	0.49	1019	pl_funcs.c	src.pl.plpgsql.src
1	0.48	2343	pl_comp.c	src.pl.plpgsql.src
1	0.36	4814	pl_exec.c	src.pl.plpgsql.src
24	0.69	6044	pl_gram.c	src.pl.plpgsql.src
24	0.45	1612	pl_funcs.c	src.pl.plpgsql.src
24	0.34	3663	pl_comp.c	src.pl.plpgsql.src
24	0.22	8521	pl_exec.c	src.pl.plpgsql.src
46	0.54	5586	pl_gram.c	src.pl.plpgsql.src
46	0.44	1868	pl_funcs.c	src.pl.plpgsql.src
46	0.32	4157	pl_comp.c	src.pl.plpgsql.src
46	0.20	10388	pl_exec.c	src.pl.plpgsql.src

"plpgsql plpgsql", {*plpgsql sql stmt var row rec dtype expr new variabl lineno*}



V	θ	Size	File	Package
45	1.00	177	joininfo.c	src.backend.optimizer.util
45	0.99	2246	joinrels.c	src.backend.optimizer.path
45	0.87	3122	initsplan.c	src.backend.optimizer.plan
45	0.87	1533	relnode.c	src.backend.optimizer.util
3	1.00	123	joininfo.c	src.backend.optimizer.util
3	1.00	796	joinrels.c	src.backend.optimizer.path
3	0.92	927	relnode.c	src.backend.optimizer.util
3	0.67	733	allpaths.c	src.backend.optimizer.path
12	0.99	993	joinrels.c	src.backend.optimizer.path
12	0.95	1588	relnode.c	src.backend.optimizer.util
12	0.92	133	joininfo.c	src.backend.optimizer.util
12	0.68	2103	initsplan.c	src.backend.optimizer.plan

"outer join", {*rel join list root info relid joinrel claus outer opt relat*}

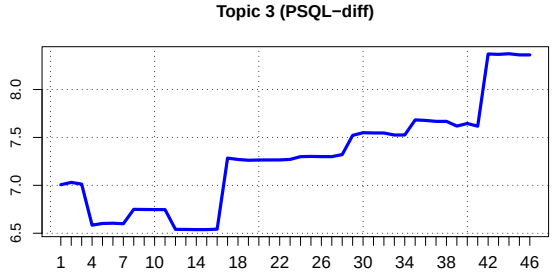
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
3	0.3391	0.0008
41	1.4764	0.0798
78	1.4955	0.0119

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
3	0.3391	0.0008
64	3.4568	0.0059
51	2.1512	0.0066

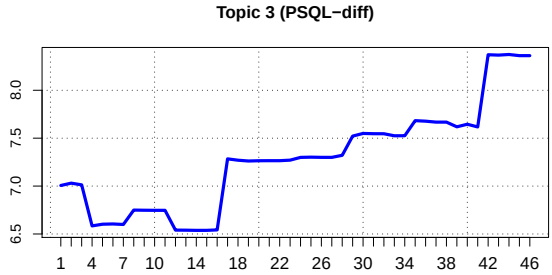
Best matching topic (Topic distance = 0.339, Evolution distance = 0.0008):



V	θ	Size	File	Package
44	0.84	177	joininfo.c	src.backend.optimizer.util
44	0.83	2246	joinrels.c	src.backend.optimizer.path
44	0.66	4182	equivclass.c	src.backend.optimizer.path
44	0.66	3119	initsplan.c	src.backend.optimizer.plan
17	0.87	380	joininfo.c	src.backend.optimizer.util
17	0.86	1296	joinrels.c	src.backend.optimizer.path
17	0.74	1393	relnode.c	src.backend.optimizer.util
17	0.59	2048	initsplan.c	src.backend.optimizer.plan
14	0.85	993	joinrels.c	src.backend.optimizer.path
14	0.83	133	joininfo.c	src.backend.optimizer.util
14	0.77	1588	relnode.c	src.backend.optimizer.util
14	0.59	1931	joinpath.c	src.backend.optimizer.path

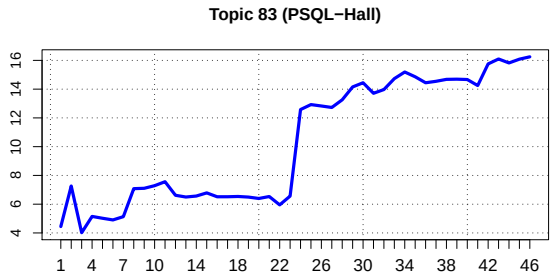
"outer join", {*rel join relid root info outer list pathkei path claus member*}

Best matching topic evolution (Topic distance = 0.339, Evolution distance = 0.0008):



V	θ	Size	File	Package
44	0.84	177	joininfo.c	src.backend.optimizer.util
44	0.83	2246	joinrels.c	src.backend.optimizer.path
44	0.66	4182	equivclass.c	src.backend.optimizer.path
44	0.66	3119	initsplan.c	src.backend.optimizer.plan
17	0.87	380	joininfo.c	src.backend.optimizer.util
17	0.86	1296	joinrels.c	src.backend.optimizer.path
17	0.74	1393	relnode.c	src.backend.optimizer.util
17	0.59	2048	initsplan.c	src.backend.optimizer.plan
14	0.85	993	joinrels.c	src.backend.optimizer.path
14	0.83	133	joininfo.c	src.backend.optimizer.util
14	0.77	1588	relnode.c	src.backend.optimizer.util
14	0.59	1931	joinpath.c	src.backend.optimizer.path

"outer join", {*rel join relid root info outer list pathkei path claus member*}



V	θ	Size	File	Package
46	1.00	209	pmsignal.c	src.backend.storage.ipc
46	1.00	34	pqsignal.c	src.interfaces.libpq
46	0.99	86	fork_process.c	src.backend.postmaster
46	0.97	582	signal.c	src.backend.port.win32
11	1.00	135	pmsignal.c	src.backend.storage.ipc
11	0.81	89	system.c	src.backend.port.darwin
11	0.80	4892	postmaster.c	src.backend.postmaster
11	0.80	30	pqsignal.c	src.interfaces.libpq
3	1.00	30	pqsignal.c	src.backend.libpq
3	0.68	4010	postmaster.c	src.backend.postmaster
3	0.63	108	halt.c	src.tools.entab
3	0.28	191	globals.c	src.backend.utils.init

"sig auth", {*pid postmast backend signal process port sig exit set log start*}

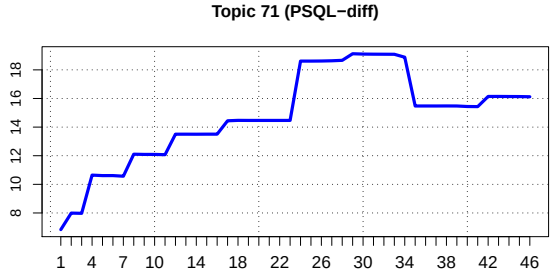
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
71	0.7115	0.1721
82	1.2160	0.2853
41	1.3650	0.0812

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
77	2.5567	0.0520
13	2.6780	0.0642
48	3.5278	0.0742

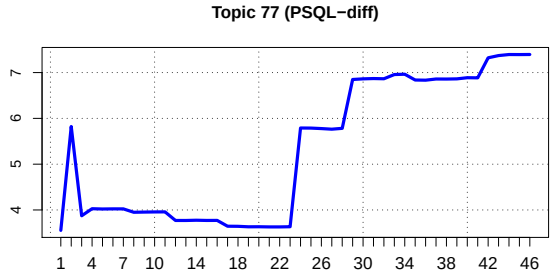
Best matching topic (Topic distance = 0.711, Evolution distance = 0.1721):



V	θ	Size	File	Package
29	0.84	169	shm.c	src.backend.port.beos
29	0.80	621	posix_sema.c	src.backend.port
29	0.77	1061	sysv_sema.c	src.backend.port
29	0.77	1052	sysv_shmem.c	src.backend.port
18	0.84	841	sysv_shmem.c	src.backend.port
18	0.84	169	shm.c	src.backend.port.beos
18	0.80	622	posix_sema.c	src.backend.port
18	0.77	1060	sysv_sema.c	src.backend.port
1	0.86	1227	ipc.c	src.backend.storage.ipc
1	0.65	638	sem.c	src.backend.port.qnx4
1	0.64	108	halt.c	src.tools.entab
1	0.60	30	pqsignal.c	src.backend.libpq

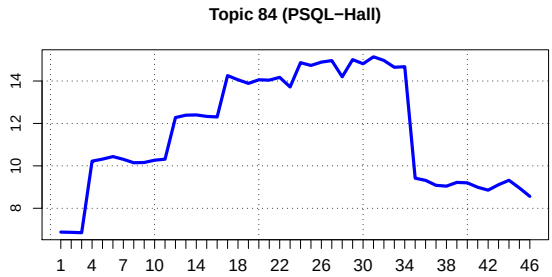
"sem sem", {*sem pid backend postmast shmem process signal exit semaphor ipc memori*}

Best matching topic evolution (Topic distance = 2.557, Evolution distance = 0.0520):



V	θ	Size	File	Package
46	0.65	861	transam.c	src.backend.access.transam
46	0.64	9201	xact.c	src.backend.access.transam
46	0.59	1795	resowner.c	src.backend.utils.resowner
46	0.39	67	twophase_rmgr.c	src.backend.access.transam
27	0.77	591	transam.c	src.backend.access.transam
27	0.64	7745	xact.c	src.backend.access.transam
27	0.63	1432	resowner.c	src.backend.utils.resowner
27	0.30	697	subtrans.c	src.backend.access.transam
1	0.65	2128	xact.c	src.backend.access.transam
1	0.62	50	xid.c	src.backend.access.transam
1	0.49	962	transam.c	src.backend.access.transam
1	0.43	757	transsup.c	src.backend.access.transam

"current transact", {*transact commit xid abort xact owner current resourc block command tran*}



V	θ	Size	File	Package
31	1.00	169	shm.c	src.backend.port.beos
31	1.00	621	posix_sema.c	src.backend.port
31	1.00	1061	sysv_sema.c	src.backend.port
31	1.00	1052	sysv_shmem.c	src.backend.port
6	1.00	170	shm.c	src.backend.port.beos
6	1.00	260	shm.c	src.backend.port.qnx4
6	0.99	484	sem.c	src.backend.port.beos
6	0.97	716	sem.c	src.backend.port.darwin
3	1.00	249	shm.c	src.backend.port.qnx4
3	0.97	638	sem.c	src.backend.port.qnx4
3	0.94	1237	ipc.c	src.backend.storage.ipc
3	0.81	280	ipci.c	src.backend.storage.ipc

"shmem index", {*sem shmem info semaphor ipc set exit memori shm creat sema*}

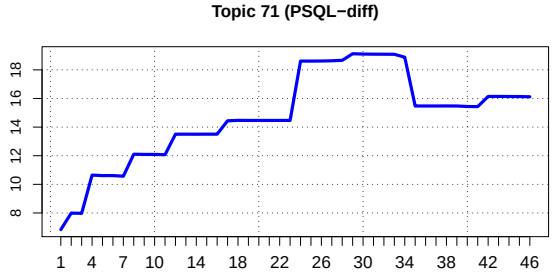
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
71	0.5658	0.0763
41	1.5899	0.2260
25	2.0077	0.0832

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
27	2.5252	0.0438
50	3.4821	0.0463
71	0.5658	0.0763

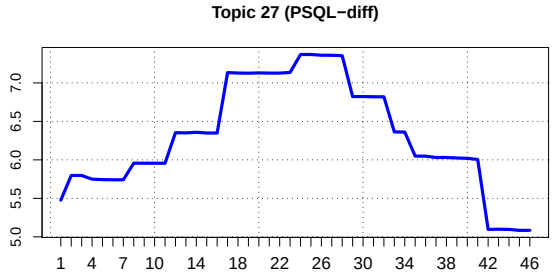
Best matching topic (Topic distance = 0.566, Evolution distance = 0.0763):



V	θ	Size	File	Package
29	0.84	169	shm.c	src.backend.port.beos
29	0.80	621	posix_sema.c	src.backend.port
29	0.77	1061	sysv_sema.c	src.backend.port
29	0.77	1052	sysv_shmem.c	src.backend.port
18	0.84	841	sysv_shmem.c	src.backend.port
18	0.84	169	shm.c	src.backend.port.beos
18	0.80	622	posix_sema.c	src.backend.port
18	0.77	1060	sysv_sema.c	src.backend.port
1	0.86	1227	ipc.c	src.backend.storage.ipc
1	0.65	638	sem.c	src.backend.port.qnx4
1	0.64	108	halt.c	src.tools.entab
1	0.60	30	pqsignal.c	src.backend.libpq

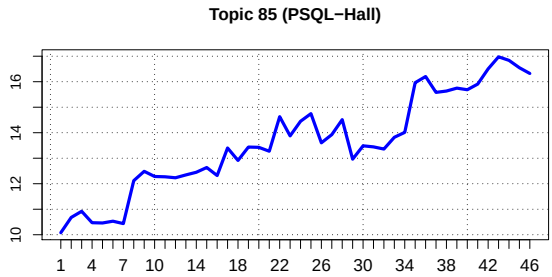
"sem sem", {*sem pid backend postmast shmem process signal exit semaphor ipc memori*}

Best matching topic evolution (Topic distance = 2.525, Evolution distance = 0.0438):



V	θ	Size	File	Package
24	0.89	3549	plperl.c	src.pl.plperl
24	0.88	3912	pltcl.c	src.pl.tcl
24	0.42	3645	spi.c	src.backend.executor
24	0.38	1680	pending.c	contrib.dbmirror
35	0.62	3888	pltcl.c	src.pl.tcl
35	0.50	21	spi_internal.c	src.pl.plperl
35	0.42	3792	spi.c	src.backend.executor
35	0.39	4485	plperl.c	src.pl.plperl
45	0.58	4188	pltcl.c	src.pl.tcl
45	0.50	21	spi_internal.c	src.pl.plperl
45	0.38	4590	plperl.c	src.pl.plperl
45	0.37	4495	spi.c	src.backend.executor

"spi process", {*spi error plan restart tupl proc warn tupdesc oid datum type*}



V	θ	Size	File	Package
43	1.00	575	like.c	src.backend.utils.adt
43	1.00	127	quote.c	src.backend.utils.adt
43	0.96	297	like_match.c	src.backend.utils.adt
43	0.85	27	version.c	src.backend.utils.adt
19	1.00	721	like.c	src.backend.utils.adt
19	1.00	279	like_match.c	src.backend.utils.adt
19	1.00	170	quote.c	src.backend.utils.adt
19	0.92	1071	oracle_compat.c	src.backend.utils.adt
1	0.89	1043	varlena.c	src.backend.utils.adt
1	0.88	249	like.c	src.backend.utils.adt
1	0.79	663	oracle_compat.c	src.backend.utils.adt
1	0.78	1038	varchar.c	src.backend.utils.adt

"free copi", {*text len result varhdrsz arg vardata varsiz bytea getarg str datum*}

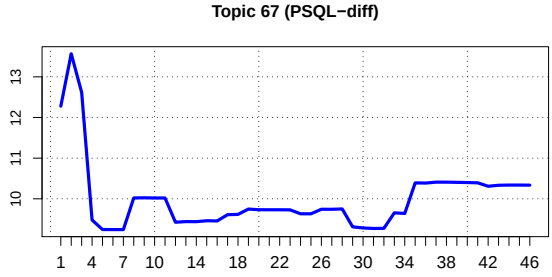
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
67	0.5158	0.0605
65	1.2666	0.0214
88	1.5670	0.1587

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
100	2.9074	0.0050
1	3.5464	0.0056
15	3.8949	0.0076

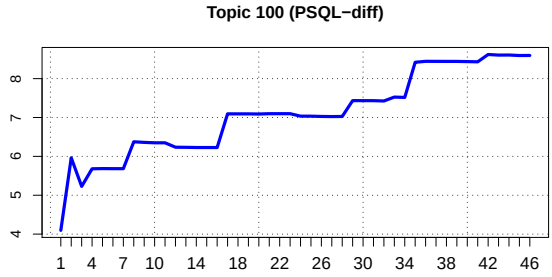
Best matching topic (Topic distance = 0.516, Evolution distance = 0.0605):



V	θ	Size	File	Package
2	0.82	1038	varchar.c	src.backend.utils.adt
2	0.76	96	nbtcompare.c	src.backend.access.nbtree
2	0.70	609	int.c	src.backend.utils.adt
2	0.70	109	char.c	src.backend.utils.adt
20	0.59	116	common.c	contrib.tsearch2
20	0.56	1141	varchar.c	src.backend.utils.adt
20	0.42	282	char.c	src.backend.utils.adt
20	0.40	1071	oracle_compat.c	src.backend.utils.adt
7	0.65	1413	varchar.c	src.backend.utils.adt
7	0.54	1198	varlena.c	src.backend.utils.adt
7	0.41	268	name.c	src.backend.utils.adt
7	0.41	242	char.c	src.backend.utils.adt

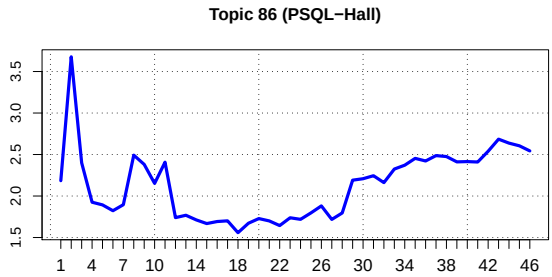
"len len", {*len arg varhdrsz varsiz vardata text bytea palloc char varatt length*}

Best matching topic evolution (Topic distance = 2.907, Evolution distance = 0.0050):



V	θ	Size	File	Package
42	0.80	8	strerror.c	src.port
42	0.27	37	compat_informix-charfuncs.c	src.interfaces.ecpg.test.expected
42	0.26	223	xid.c	src.backend.utils.adt
42	0.21	29	scheck.c	src.timezone
18	0.64	10	strerror.c	src.port
18	0.26	221	xid.c	src.backend.utils.adt
18	0.18	932	pqformat.c	src.backend.libpq
18	0.17	363	findbe.c	src.backend.utils.init
1	0.40	10	strerror.c	src.backend.port
1	0.40	35	retest.c	src.backend.regex
1	0.19	155	findoidjoins.c	contrib.findoidjoins
1	0.18	299	vacuumlo.c	contrib.vacuumlo

"buf buf", {*buf sprintf strcat char strlen binari format snprintf count string data*}



V	θ	Size	File	Package
2	0.98	1654	`async.c`	`src.backend.commands`
2	0.50	221	`misc_utils.c`	`contrib.miscutil`
2	0.45	64	`testlibpq4.cc`	`src.interfaces.libpq++.examples`
2	0.39	54	`enbl.c`	`src.backend.utils.init`
32	1.00	2038	`async.c`	`src.backend.commands`
32	0.59	716	`sinval.c`	`src.backend.storage.ipc`
32	0.47	60	`twophase_rmgr.c`	`src.backend.access.transam`
32	0.04	616	`keywords.c`	`src.interfaces.ecpg.preproc`
18	0.99	1742	`async.c`	`src.backend.commands`
18	0.52	166	`misc_utils.c`	`contrib.miscutil`
18	0.02	598	`keywords.c`	`src.interfaces.ecpg.preproc`
18	NA	NA	`NA`	`NA`

"heap tupl updat", {*notifi listen interrupt relnam heap tupl transact enabl rel pend scan*}

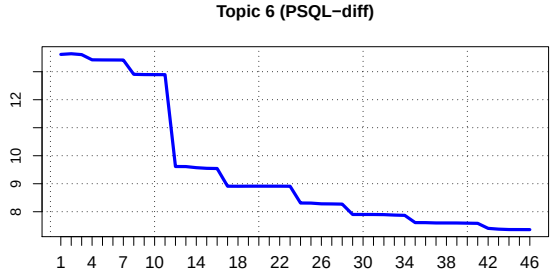
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
6	1.3084	0.2017
41	1.5396	0.1634
77	1.6734	0.1124

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
8	4.3038	0.0335
94	3.2383	0.0339
49	3.4206	0.0351

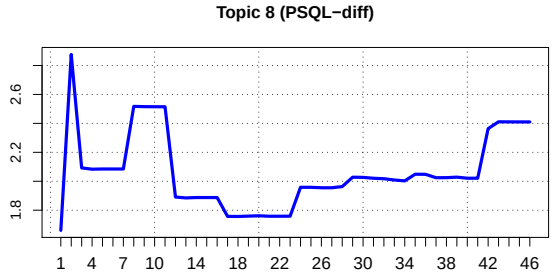
Best matching topic (Topic distance = 1.308, Evolution distance = 0.2017):



V	θ	Size	File	Package
2	0.80	2215	`indexing.c`	`src.backend.catalog`
2	0.63	359	`rewriteRemove.c`	`src.backend.rewrite`
2	0.57	924	`remove.c`	`src.backend.commands`
2	0.53	545	`regproc.c`	`src.backend.utils.adt`
24	0.64	241	`pg_largeobject.c`	`src.backend.catalog`
24	0.48	111	`pg_namespace.c`	`src.backend.catalog`
24	0.38	176	`not_in.c`	`src.backend.utils.adt`
24	0.38	164	`misc_utils.c`	`contrib.miscutil`
46	0.62	234	`pg_largeobject.c`	`src.backend.catalog`
46	0.42	120	`pg_namespace.c`	`src.backend.catalog`
46	0.37	181	`rewriteSupport.c`	`src.backend.rewrite`
46	0.37	265	`pg_enum.c`	`src.backend.catalog`

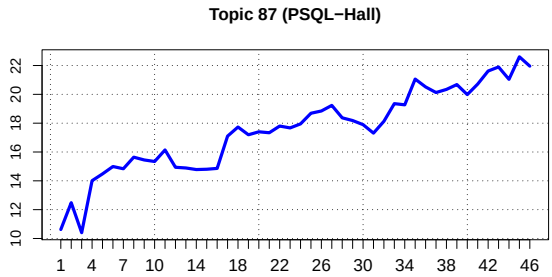
"heap tupl", {*heap tupl scan relat datum indic lock kei desc catalog access*}

Best matching topic evolution (Topic distance = 4.304, Evolution distance = 0.0335):



V	θ	Size	File	Package
2	0.62	4034	`readfuncs.c`	`src.backend.nodes`
2	0.37	628	`read.c`	`src.backend.nodes`
2	0.21	227	`PGtokenizer.java`	`src.interfaces.jdbc.org.postgresql.util`
2	0.20	227	`PGtokenizer.java`	`src.interfaces.jdbc.postgresql.util`
41	0.37	2126	`readfuncs.c`	`src.backend.nodes`
41	0.35	773	`read.c`	`src.backend.nodes`
41	0.13	428	`security.c`	`src.backend.port.win32`
41	0.11	1117	`datetime.c`	`src.interfaces.ecpg.pgtypeslib`
1	0.62	4034	`readfuncs.c`	`src.backend.nodes`
1	0.37	628	`read.c`	`src.backend.nodes`
1	0.13	707	`stats.c`	`src.backend.access.heap`
1	0.10	172	`pg_locale.c`	`src.backend.utils.adt`

"token token", {*token length local read strtok node els eat char atoi strncmp*}



V	θ	Size	File	Package
45	0.92	1876	int.c	src.backend.utils.adt
45	0.91	1642	int8.c	src.backend.utils.adt
45	0.87	3710	float.c	src.backend.utils.adt
45	0.86	173	nbtcompare.c	src.backend.access.nbtree
18	1.00	1208	int.c	src.backend.utils.adt
18	0.99	2578	float.c	src.backend.utils.adt
18	0.96	1072	int8.c	src.backend.utils.adt
18	0.90	231	bool.c	src.backend.utils.adt
3	0.96	1904	float.c	src.backend.utils.adt
3	0.86	109	char.c	src.backend.utils.adt
3	0.85	660	int8.c	src.backend.utils.adt
3	0.83	609	int.c	src.backend.utils.adt

"function arg", {*arg getarg result datum function val errcod float error buf ereport*}

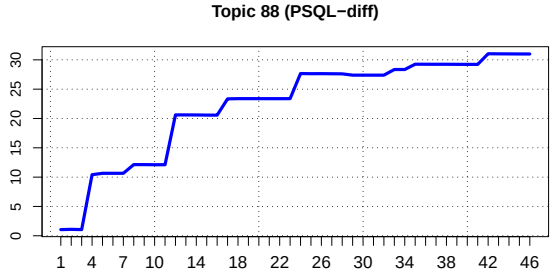
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
88	0.6767	0.1302
94	1.3927	0.0762
67	1.7068	0.0878

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
100	2.3323	0.0049
15	4.0387	0.0085
30	2.7643	0.0100

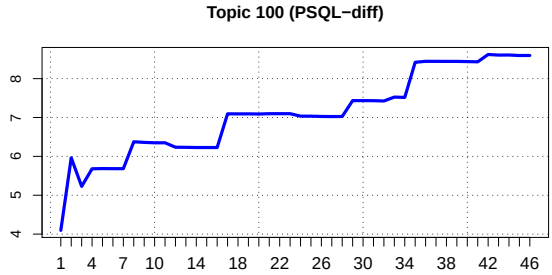
Best matching topic (Topic distance = 0.677, Evolution distance = 0.1302):



V	θ	Size	File	Package
42	0.64	173	nbtcompare.c	src.backend.access.nbtree
42	0.51	753	_int_op.c	contrib.intarray
42	0.44	293	uuid-ossp.c	contrib.uuid-ossp
42	0.43	223	xid.c	src.backend.utils.adt
18	0.64	108	nbtcompare.c	src.backend.access.nbtree
18	0.51	761	_int_op.c	contrib.intarray
18	0.44	1208	int.c	src.backend.utils.adt
18	0.43	221	xid.c	src.backend.utils.adt
1	0.23	264	datum.c	src.backend.utils.adt
1	0.13	95	excid.c	src.backend.utils.error
1	0.06	218	autoinc.c	contrib.spi
1	0.05	241	noup.c	contrib.noupdate

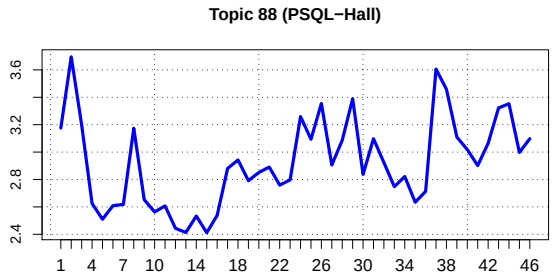
"function arg", {*datum function getarg arg pointer call info direct cstring copi intern*}

Best matching topic evolution (Topic distance = 2.332, Evolution distance = 0.0049):



V	θ	Size	File	Package
42	0.80	8	strerror.c	src.port
42	0.27	37	compat_informix-charfuncs.c	src.interfaces.ecpg.test.expected
42	0.26	223	xid.c	src.backend.utils.adt
42	0.21	29	scheck.c	src.timezone
18	0.64	10	strerror.c	src.port
18	0.26	221	xid.c	src.backend.utils.adt
18	0.18	932	pqformat.c	src.backend.libpq
18	0.17	363	findbe.c	src.backend.utils.init
1	0.40	10	strerror.c	src.backend.port
1	0.40	35	retest.c	src.backend.regex
1	0.19	155	findoidjoins.c	contrib.findoidjoins
1	0.18	299	vacuumlo.c	contrib.vacuumlo

"buf buf", {*buf sprintf strcat char strlen binari format snprintf count string data*}



V	θ	Size	File	Package
2	1.00	5424	formatting.c	src.backend.utils.adt
2	0.45	139	issn.c	contrib.isbn_issn
2	0.43	159	isbn.c	contrib.isbn_issn
2	0.29	902	cash.c	src.backend.utils.adt
21	1.00	6239	formatting.c	src.backend.utils.adt
21	0.38	316	isbn_issn.c	contrib.isbn_issn
21	0.23	986	cash.c	src.backend.utils.adt
21	0.21	1015	informix.c	src.interfaces.ecpg.compatlib
15	1.00	6070	formatting.c	src.backend.utils.adt
15	0.38	286	isbn_issn.c	contrib.isbn_issn
15	0.23	916	cash.c	src.backend.utils.adt
15	0.22	398	snprintf.c	src.port

"num num", {*num inout str len els format type number node defin sign*}

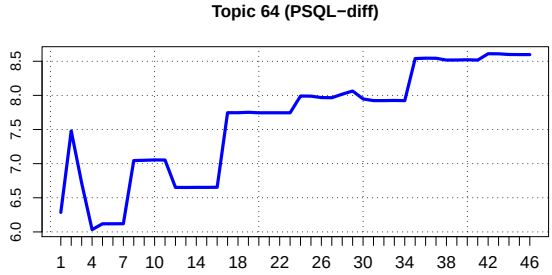
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
64	0.4515	0.0225
13	1.6531	0.2192
67	1.9552	0.0202

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
94	2.8433	0.0139
57	3.1269	0.0171
3	3.4472	0.0179

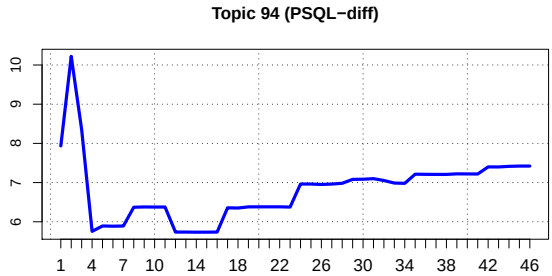
Best matching topic (Topic distance = 0.452, Evolution distance = 0.0225):



V	θ	Size	File	Package
42	0.61	7000	formatting.c	src.backend.utils.adt
42	0.57	332	compat_informix-dec_test.c	src.interfaces.ecpg.test.expected
42	0.54	182	crypt-gensalt.c	contrib.pgcrypto
42	0.54	250	common.c	src.interfaces.ecpg.pgtypeslib
19	0.66	6239	formatting.c	src.backend.utils.adt
19	0.62	316	isbn_issn.c	contrib.isbn_issn
19	0.57	217	crypt-gensalt.c	contrib.pgcrypto
19	0.53	251	common.c	src.interfaces.ecpg.pgtypeslib
4	0.70	5867	formatting.c	src.backend.utils.adt
4	0.69	287	isbn_issn.c	contrib.isbn_issn
4	0.53	472	numutils.c	src.backend.utils.adt
4	0.43	399	snprintf.c	src.backend.port

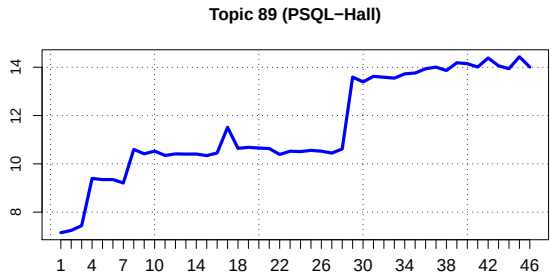
"num num", {*num str format els inout flag output number defin count fmt*}

Best matching topic evolution (Topic distance = 2.843, Evolution distance = 0.0139):



V	θ	Size	File	Package
2	0.71	660	int8.c	src.backend.utils.adt
2	0.54	434	odbc.c	contrib.odbc
2	0.44	1904	float.c	src.backend.utils.adt
2	0.27	219	mac.c	src.backend.utils.adt
25	0.24	34	ialloc.c	src.timezone
25	0.21	29	scheck.c	src.timezone
25	0.20	107	inet_aton.c	src.port
25	0.18	1612	int8.c	src.backend.utils.adt
14	0.36	983	int8.c	src.backend.utils.adt
14	0.20	103	inet_aton.c	src.port
14	0.20	2411	float.c	src.backend.utils.adt
14	0.16	189	complex.c	src.tutorial

"result result", {*result pointer val valid palloc check tmp float rang double defin*}



V	θ	Size	File	Package
45	1.00	332	nodeBitmapOr.c	src.backend.executor
45	0.99	302	nodeBitmapAnd.c	src.backend.executor
45	0.98	403	nodeSubqueryscan.c	src.backend.executor
45	0.92	776	nodeLimit.c	src.backend.executor
28	0.94	700	nodeLimit.c	src.backend.executor
28	0.85	1020	execAmi.c	src.backend.executor
28	0.85	1246	execProcnode.c	src.backend.executor
28	0.83	506	nodeMaterial.c	src.backend.executor
1	0.83	888	execProcnode.c	src.backend.executor
1	0.81	955	nodeSeqscan.c	src.backend.executor
1	0.79	1080	nodeTidscan.c	src.backend.executor
1	0.71	713	nodeMaterial.c	src.backend.executor

"node node", {*node scan exec state plan tupl slot estat result tid expr*}

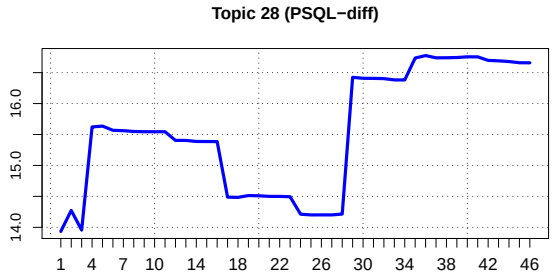
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
28	0.4725	0.0376
33	1.2592	0.0666
78	1.5102	0.0418

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
100	4.8337	0.0110
11	3.5335	0.0113
15	3.6897	0.0134

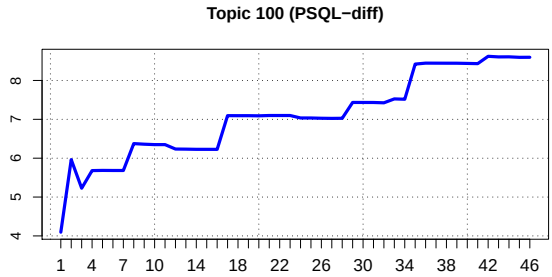
Best matching topic (Topic distance = 0.473, Evolution distance = 0.0376):



V	θ	Size	File	Package
36	0.82	887	nodeNestloop.c	src.backend.executor
36	0.77	411	nodeUnique.c	src.backend.executor
36	0.75	489	nodeResult.c	src.backend.executor
36	0.68	570	nodeMaterial.c	src.backend.executor
9	0.90	834	nodeNestloop.c	src.backend.executor
9	0.87	473	nodeUnique.c	src.backend.executor
9	0.84	476	nodeResult.c	src.backend.executor
9	0.82	3297	nodeMergejoin.c	src.backend.executor
1	0.94	449	nodeUnique.c	src.backend.executor
1	0.94	736	nodeNestloop.c	src.backend.executor
1	0.88	480	nodeResult.c	src.backend.executor
1	0.82	2471	nodeMergejoin.c	src.backend.executor

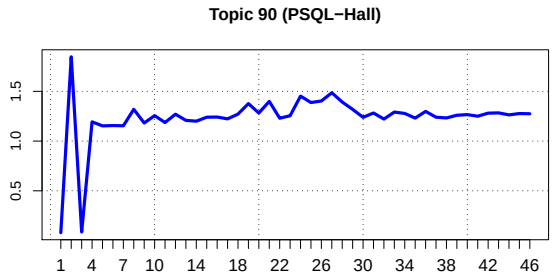
"exec eval", {*exec tupl node slot estat plan outer tabl econtext state result*}

Best matching topic evolution (Topic distance = 4.834, Evolution distance = 0.0110):



V	θ	Size	File	Package
42	0.80	8	strerror.c	src.port
42	0.27	37	compat_informix-charfuncs.c	src.interfaces.ecpg.test.expected
42	0.26	223	xid.c	src.backend.utils.adt
42	0.21	29	scheck.c	src.timezone
18	0.64	10	strerror.c	src.port
18	0.26	221	xid.c	src.backend.utils.adt
18	0.18	932	pqformat.c	src.backend.libpq
18	0.17	363	findbe.c	src.backend.utils.init
1	0.40	10	strerror.c	src.backend.port
1	0.40	35	retest.c	src.backend.regex
1	0.19	155	findoidjoins.c	contrib.findoidjoins
1	0.18	299	vacuumlo.c	contrib.vacuumlo

"buf buf", {*buf sprintf strcat char strlen binari format snprintf count string data*}



V	θ	Size	File	Package
2	0.84	6905	pg_dump.c	src.bin.pg_dump
2	0.24	509	Serialize.java	src.interfaces.jdbc.postgresql.util
2	0.24	944	common.c	src.bin.pg_dump
2	0.20	509	Serialize.java	src.interfaces.jdbc.org.postgresql.util
39	1.00	16589	pg_dump.c	src.bin.pg_dump
39	0.26	2382	pg_dumpall.c	src.bin.pg_dump
39	NA	NA	NA	NA
39	NA	NA	NA	NA
1	0.07	1556	tgRecipe.c	src.backend.tioga
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"pqexp buffer", {*buffer pqexp oid dump append queri fout data tabl pqgetvalu info*}

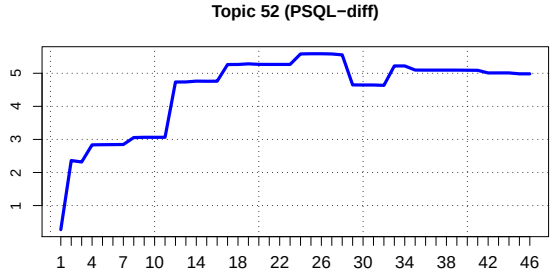
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
52	0.0790	0.1089
79	1.6409	1.3488
47	1.6926	0.0394

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
47	1.6926	0.0394
44	2.0200	0.0657
53	2.0715	0.0666

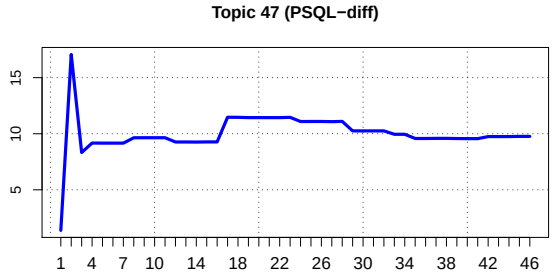
Best matching topic (Topic distance = 0.079, Evolution distance = 0.1089):



V	θ	Size	File	Package
26	0.83	15172	pg_dump.c	src.bin.pg_dump
26	0.59	3453	describe.c	src.bin.psql
26	0.49	249	findoidjoins.c	contrib.findoidjoins
26	0.42	1333	common.c	src.bin.pg_dump
42	0.82	19146	pg_dump.c	src.bin.pg_dump
42	0.59	251	findoidjoins.c	src.tools.findoidjoins
42	0.51	4711	describe.c	src.bin.psql
42	0.38	1672	dumputils.c	src.bin.pg_dump
1	0.16	155	findoidjoins.c	contrib.findoidjoins
1	0.09	1019	pl_funcs.c	src.pl.plpgsql.src
1	NA	NA	NA	NA
1	NA	NA	NA	NA

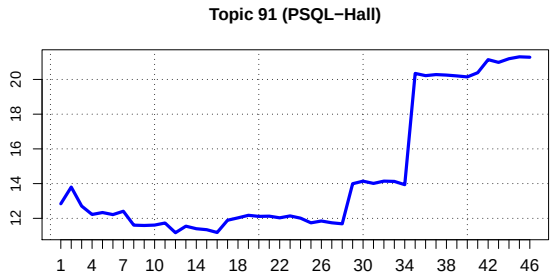
"append pqexp buffer", {*pqexp buffer oid dump append queri tabl catalog fout data select*}

Best matching topic evolution (Topic distance = 1.693, Evolution distance = 0.0394):



V	θ	Size	File	Package
2	0.77	173	pgconnection.cc	src.interfaces.libpq++
2	0.74	156	testlibpq2.c	src.test.examples
2	0.65	3901	fe-connect.c	src.interfaces.libpq
2	0.65	238	testlibpq4.c	src.test.examples
43	0.73	2752	fe-protocol2.c	src.interfaces.libpq
43	0.70	191	testlibpq.c	src.test.examples
43	0.67	3891	fe-protocol3.c	src.interfaces.libpq
43	0.66	235	testlibpq4.c	src.test.examples
1	0.36	1204	pgbench.c	contrib.pgbench
1	0.32	299	vacuumlo.c	contrib.vacuumlo
1	0.31	415	mpgsql.c	contrib.mSQL-interface
1	0.15	418	be-pqexec.c	src.backend.libpq

"conn conn", {*conn connect error messag statu buffer pgre msg pgconn queri option*}



V	θ	Size	File	Package
45	0.99	1152	ginbtree.c	src.backend.access.gin
45	0.97	1724	gindatapage.c	src.backend.access.gin
45	0.91	2942	nbtpage.c	src.backend.access.nbtree
45	0.90	1646	ginentrypage.c	src.backend.access.gin
4	0.98	44	itemptr.c	src.backend.storage.page
4	0.94	4601	nbtinsert.c	src.backend.access.nbtree
4	0.79	1040	nbtpage.c	src.backend.access.nbtree
4	0.72	570	hashinsert.c	src.backend.access.hash
12	0.94	4697	nbtinsert.c	src.backend.access.nbtree
12	0.78	1021	nbtpage.c	src.backend.access.nbtree
12	0.71	569	hashinsert.c	src.backend.access.hash
12	0.70	44	itemptr.c	src.backend.storage.page

"offset number", {*page buffer item number offset index rel opaqu block buf pointer*}

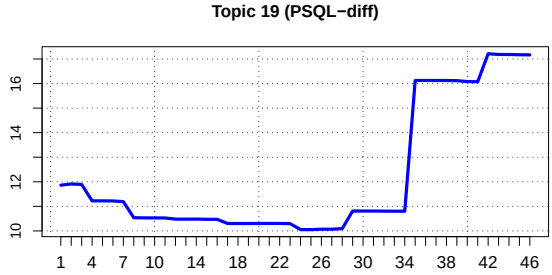
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
19	0.0967	0.0086
36	1.0050	0.0912
29	1.6441	0.1262

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
19	0.0967	0.0086
89	2.9557	0.0169
30	3.1976	0.0391

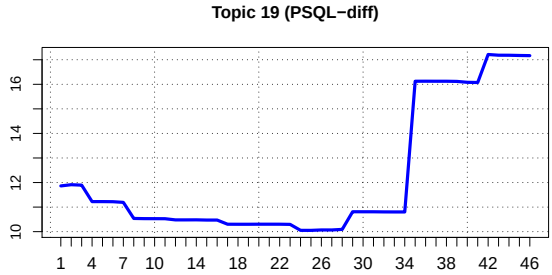
Best matching topic (Topic distance = 0.097, Evolution distance = 0.0086):



V	θ	Size	File	Package
42	0.81	1724	gindatapage.c	src.backend.access.gin
42	0.77	1152	ginbtree.c	src.backend.access.gin
42	0.76	1646	ginentrypage.c	src.backend.access.gin
42	0.67	4218	nbtinsert.c	src.backend.access.nbtree
33	0.70	3407	nbtinsert.c	src.backend.access.nbtree
33	0.61	2436	nbtpage.c	src.backend.access.nbtree
33	0.58	2786	nbtsearch.c	src.backend.access.nbtree
33	0.57	1400	bufpage.c	src.backend.storage.page
25	0.70	3440	nbtinsert.c	src.backend.access.nbtree
25	0.61	2393	nbtpage.c	src.backend.access.nbtree
25	0.60	558	rtget.c	src.backend.access.rtree
25	0.58	2800	nbtsearch.c	src.backend.access.nbtree

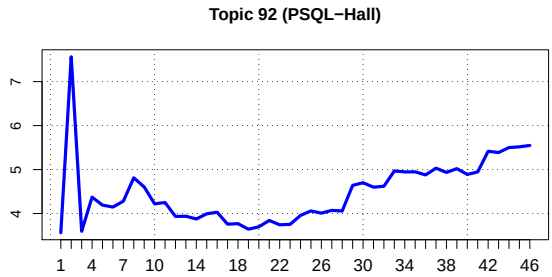
"page page", {*page item buffer number offset opaqu rel pointer blkno itup block*}

Best matching topic evolution (Topic distance = 0.097, Evolution distance = 0.0086):



V	θ	Size	File	Package
42	0.81	1724	gindatapage.c	src.backend.access.gin
42	0.77	1152	ginbtree.c	src.backend.access.gin
42	0.76	1646	ginentrypage.c	src.backend.access.gin
42	0.67	4218	nbtinsert.c	src.backend.access.nbtree
33	0.70	3407	nbtinsert.c	src.backend.access.nbtree
33	0.61	2436	nbtpage.c	src.backend.access.nbtree
33	0.58	2786	nbtsearch.c	src.backend.access.nbtree
33	0.57	1400	bufpage.c	src.backend.storage.page
25	0.70	3440	nbtinsert.c	src.backend.access.nbtree
25	0.61	2393	nbtpage.c	src.backend.access.nbtree
25	0.60	558	rtget.c	src.backend.access.rtree
25	0.58	2800	nbtsearch.c	src.backend.access.nbtree

"page page", {*page item buffer number offset opaqu rel pointer blkno itup block*}



V	θ	Size	File	Package
2	0.85	2128	xact.c	src.backend.access.transam
2	0.74	47	pgtransdb.cc	src.interfaces.libpq++
2	0.70	50	xid.c	src.backend.access.transam
2	0.64	962	transam.c	src.backend.access.transam
11	1.00	416	transam.c	src.backend.access.transam
11	0.87	2568	xact.c	src.backend.access.transam
11	0.46	80	xid.c	src.backend.access.transam
11	0.25	2082	tqual.c	src.backend.utils.time
1	0.83	2128	xact.c	src.backend.access.transam
1	0.68	50	xid.c	src.backend.access.transam
1	0.64	962	transam.c	src.backend.access.transam
1	0.38	757	transsup.c	src.backend.access.transam

"cur transact", {*transact state commit abort xid xact block start command current prepar*}

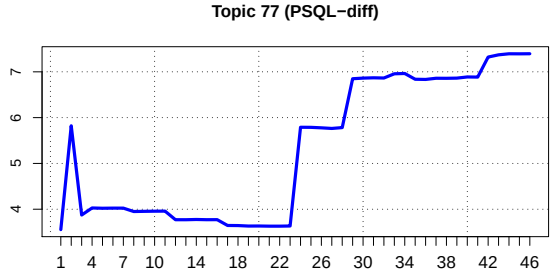
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
77	0.2825	0.0947
41	1.5372	0.1232
95	1.8630	0.1846

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
80	2.2337	0.0232
8	4.1803	0.0258
49	3.6555	0.0275

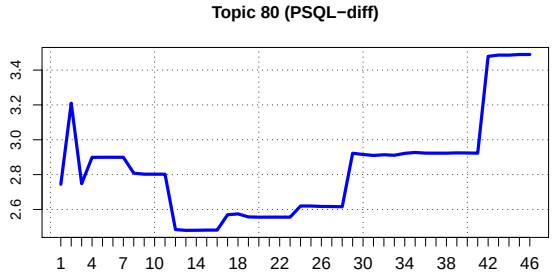
Best matching topic (Topic distance = 0.283, Evolution distance = 0.0947):



V	θ	Size	File	Package
46	0.65	861	transam.c	src.backend.access.transam
46	0.64	9201	xact.c	src.backend.access.transam
46	0.59	1795	resowner.c	src.backend.utils.resowner
46	0.39	67	twophase_rmgr.c	src.backend.access.transam
27	0.77	591	transam.c	src.backend.access.transam
27	0.64	7745	xact.c	src.backend.access.transam
27	0.63	1432	resowner.c	src.backend.utils.resowner
27	0.30	697	subtrans.c	src.backend.access.transam
1	0.65	2128	xact.c	src.backend.access.transam
1	0.62	50	xid.c	src.backend.access.transam
1	0.49	962	transam.c	src.backend.access.transam
1	0.43	757	transsup.c	src.backend.access.transam

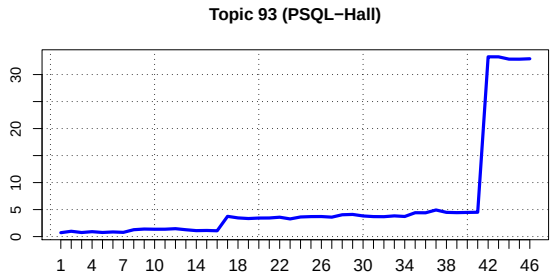
"current transact", {*transact commit xid abort xact owner current resourc block command tran*}

Best matching topic evolution (Topic distance = 2.234, Evolution distance = 0.0232):



V	θ	Size	File	Package
45	0.57	3971	catcache.c	src.backend.utils.cache
45	0.46	2694	inval.c	src.backend.utils.cache
45	0.24	155	superuser.c	src.backend.utils.misc
45	0.20	1330	syscache.c	src.backend.utils.cache
8	0.59	2540	catcache.c	src.backend.utils.cache
8	0.56	1198	inval.c	src.backend.utils.cache
8	0.19	938	syscache.c	src.backend.utils.cache
8	0.19	59	IPAddress.java	contrib.retep.uk.org.retep.util.misc
13	0.61	3764	catcache.c	src.backend.utils.cache
13	0.54	1474	inval.c	src.backend.utils.cache
13	0.22	1181	syscache.c	src.backend.utils.cache
13	0.11	2015	fd.c	src.backend.storage.file

"cach cach", {*cach invalid relat messag entri tupl debug cat local index pointer*}



V	θ	Size	File	Package
42	1.00	274	stem_ISO_8859_1_danish.c	src.backend.snowball.libstemmer
42	1.00	552	stem_ISO_8859_1_dutch.c	src.backend.snowball.libstemmer
42	1.00	909	stem_ISO_8859_1_english.c	src.backend.snowball.libstemmer
42	1.00	538	stem_ISO_8859_1_finnish.c	src.backend.snowball.libstemmer
27	0.90	480	russian_stem.c	contrib.tsearch2.snowball
27	0.86	818	english_stem.c	contrib.tsearch2.snowball
27	0.34	29	endian.c	contrib.dbase
27	0.27	423	utilities.c	contrib.tsearch2.snowball
1	0.12	25	version.c	src.backend.utils.adt
1	0.11	663	oracle_compat.c	src.backend.utils.adt
1	0.09	95	arrayutils.c	src.backend.utils.adt
1	0.05	106	bsd.c	src.backend.port.dynloader

"ret ret slice", {*ret symbol line env slice var call group del bra goto*}

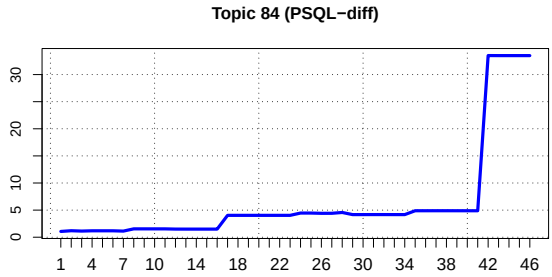
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
84	0.0041	0.0220
41	2.5181	4.3559
53	3.0320	5.1738

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
84	0.0041	0.0220
61	3.1709	2.7118
7	3.7515	3.5285

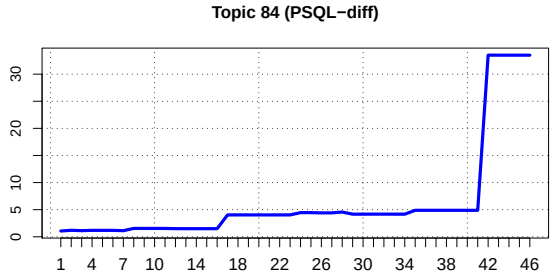
Best matching topic (Topic distance = 0.004, Evolution distance = 0.0220):



V	θ	Size	File	Package
42	1.00	274	stem_ISO_8859_1_danish.c	src.backend.snowball.libstemmer
42	1.00	909	stem_ISO_8859_1_english.c	src.backend.snowball.libstemmer
42	1.00	538	stem_ISO_8859_1_finnish.c	src.backend.snowball.libstemmer
42	1.00	1025	stem_ISO_8859_1_french.c	src.backend.snowball.libstemmer
17	0.90	480	russian_stem.c	contrib.tsearch2.snowball
17	0.84	818	english_stem.c	contrib.tsearch2.snowball
17	0.34	29	endian.c	contrib.dbase
17	0.30	66	api.c	contrib.tsearch2.snowball
1	0.16	25	version.c	src.backend.utils.adt
1	0.12	663	oracle_compat.c	src.backend.utils.adt
1	0.09	95	arrayutils.c	src.backend.utils.adt
1	0.07	69	ultrix4.c	src.backend.port.dynloader

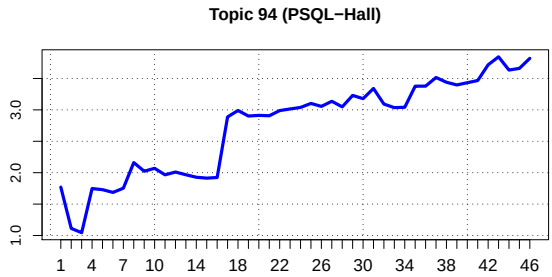
"ret ret slice", {*ret symbol line env slice var call del bra group goto*}

Best matching topic evolution (Topic distance = 0.004, Evolution distance = 0.0220):



V	θ	Size	File	Package
42	1.00	274	stem_ISO_8859_1_danish.c	src.backend.snowball.libstemmer
42	1.00	909	stem_ISO_8859_1_english.c	src.backend.snowball.libstemmer
42	1.00	538	stem_ISO_8859_1_finnish.c	src.backend.snowball.libstemmer
42	1.00	1025	stem_ISO_8859_1_french.c	src.backend.snowball.libstemmer
17	0.90	480	russian_stem.c	contrib.tsearch2.snowball
17	0.84	818	english_stem.c	contrib.tsearch2.snowball
17	0.34	29	endian.c	contrib.dbase
17	0.30	66	api.c	contrib.tsearch2.snowball
1	0.16	25	version.c	src.backend.utils.adt
1	0.12	663	oracle_compat.c	src.backend.utils.adt
1	0.09	95	arrayutils.c	src.backend.utils.adt
1	0.07	69	ultrix4.c	src.backend.port.dynloader

"ret ret slice", {*ret symbol line env slice var call del bra group goto*}



V	θ	Size	File	Package
43	0.97	14124	guc.c	src.backend.utils.misc
43	0.76	191	help_config.c	src.backend.utils.misc
43	0.57	1605	variable.c	src.backend.commands
43	0.28	296	variables.c	src.bin.psql
23	1.00	8547	guc.c	src.backend.utils.misc
23	0.73	179	help_config.c	src.backend.utils.misc
23	0.49	1152	variable.c	src.backend.commands
23	0.31	3758	guc-file.c	src.backend.utils.misc
3	0.59	1752	variable.c	src.backend.commands
3	0.23	96	variable.c	src.backend.utils.mb
3	0.09	534	geqo_params.c	src.backend.optimizer.geqo
3	0.07	661	trace.c	src.backend.utils.misc

"guc guc", {*guc conf pgc config set sourc gettext noop val variabl log*}

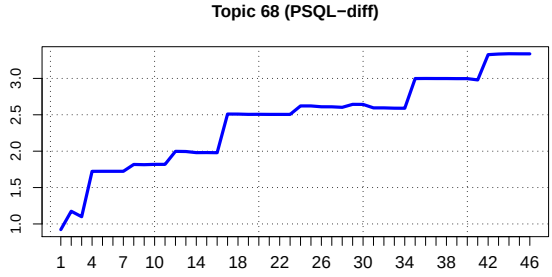
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
68	0.2290	0.0114
82	1.4963	0.1773
41	1.6257	0.0138

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
95	3.5945	0.0084
68	0.2290	0.0114
41	1.6257	0.0138

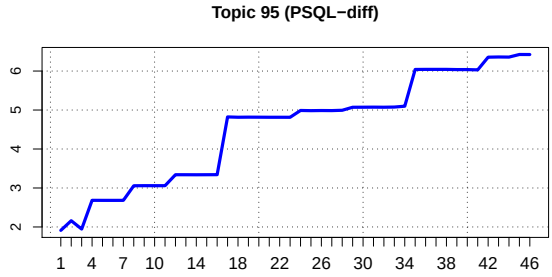
Best matching topic (Topic distance = 0.229, Evolution distance = 0.0114):



V	θ	Size	File	Package
44	0.58	14116	guc.c	src.backend.utils.misc
44	0.47	191	help_config.c	src.backend.utils.misc
44	0.39	1605	variable.c	src.backend.commands
44	0.20	321	sql-show.c	src.interfaces.ecpg.test.expected
17	0.61	8545	guc.c	src.backend.utils.misc
17	0.46	179	help_config.c	src.backend.utils.misc
17	0.29	1113	variable.c	src.backend.commands
17	0.28	3759	guc-file.c	src.backend.utils.misc
1	0.59	1752	variable.c	src.backend.commands
1	0.12	96	variable.c	src.backend.utils.mb
1	0.07	924	varsup.c	src.backend.access.transam
1	0.06	534	geqo_params.c	src.backend.optimizer.geqo

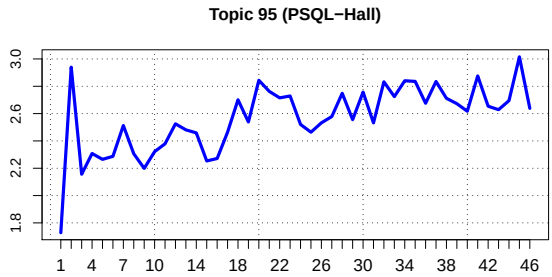
"gettext noop", {*guc gettext pgc val config conf variabl noop sourc reset set*}

Best matching topic evolution (Topic distance = 3.595, Evolution distance = 0.0084):



V	θ	Size	File	Package
45	0.42	6119	tuplesort.c	src.backend.utils.sort
45	0.42	1830	tuplestore.c	src.backend.utils.sort
45	0.41	613	hstore_io.c	contrib.hstore
45	0.33	399	tsvector_parser.c	src.backend.utils.adt
17	0.47	4134	tuplesort.c	src.backend.utils.sort
17	0.45	1404	tuplestore.c	src.backend.utils.sort
17	0.24	530	nodeSort.c	src.backend.executor
17	0.20	673	ltxtquery_io.c	contrib.ltree
1	0.51	3700	tuplesort.c	src.backend.utils.sort
1	0.21	713	nodeSort.c	src.backend.executor
1	0.11	915	nbtsort.c	src.backend.access.nbtree
1	0.10	2128	xact.c	src.backend.access.transam

"state state", {*state sort end els tuplesort begin len memori tuplestor mem val*}



V	θ	Size	File	Package
45	1.00	5250	equalfuncs.c	src.backend.nodes
45	0.98	8075	copyfuncs.c	src.backend.nodes
45	0.29	5133	utility.c	src.backend.tcop
45	0.20	15	geqo_copy.c	src.backend.optimizer.geqo
27	0.99	4546	equalfuncs.c	src.backend.nodes
27	0.99	6803	copyfuncs.c	src.backend.nodes
27	0.30	3497	utility.c	src.backend.tcop
27	0.12	400	alter.c	src.backend.commands
1	0.77	3308	copyfuncs.c	src.backend.nodes
1	0.45	1191	equalfuncs.c	src.backend.nodes
1	0.27	1994	utility.c	src.backend.tcop
1	0.08	156	not_in.c	src.backend.utils.adt

"stmt stmt", {*stmt copi field node newnod compar equal scalar case break retval*}

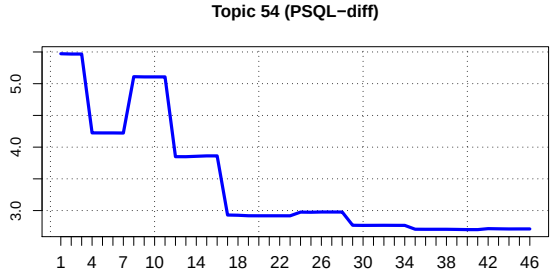
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
54	0.6596	0.2529
10	1.1623	0.1716
40	1.3055	0.0670

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
98	3.6543	0.0122
29	3.6196	0.0123
59	3.6711	0.0124

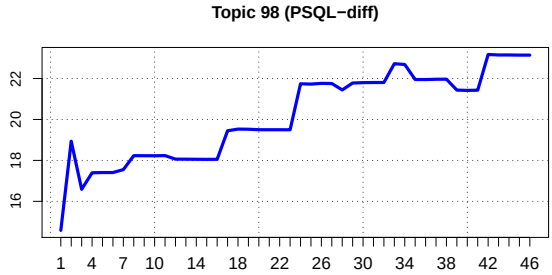
Best matching topic (Topic distance = 0.660, Evolution distance = 0.2529):



V	θ	Size	File	Package
1	0.89	3308	copyfuncs.c	src.backend.nodes
1	0.60	2050	freefuncs.c	src.backend.nodes
1	0.54	1191	equalfuncs.c	src.backend.nodes
1	0.53	49	nodes.c	src.backend.nodes
19	0.53	6436	copyfuncs.c	src.backend.nodes
19	0.35	3911	outfuncs.c	src.backend.nodes
19	0.23	9	nodes.c	src.backend.nodes
19	0.20	4222	equalfuncs.c	src.backend.nodes
41	0.49	7442	copyfuncs.c	src.backend.nodes
41	0.30	5010	outfuncs.c	src.backend.nodes
41	0.23	9	nodes.c	src.backend.nodes
41	0.17	4895	equalfuncs.c	src.backend.nodes

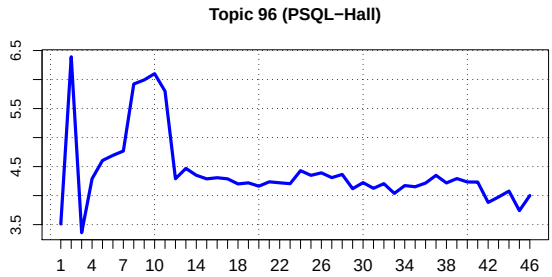
"node node", {*node newnod copi path plan join retval expr scan stmt claus*}

Best matching topic evolution (Topic distance = 3.654, Evolution distance = 0.0122):



V	θ	Size	File	Package
42	1.00	5	gethostname.c	src.port
42	0.81	101	openbsd.c	src.backend.port.dynloader
42	0.79	99	freebsd.c	src.backend.port.dynloader
42	0.79	101	netbsd.c	src.backend.port.dynloader
18	1.00	5	gethostname.c	src.port
18	0.81	100	openbsd.c	src.backend.port.dynloader
18	0.79	99	freebsd.c	src.backend.port.dynloader
18	0.79	100	netbsd.c	src.backend.port.dynloader
1	1.00	7	gethostname.c	src.backend.port
1	0.90	105	freebsd.c	src.backend.port.dynloader
1	0.89	106	bsd.c	src.backend.port.dynloader
1	0.88	106	netbsd.c	src.backend.port.dynloader

"endif ifdef", {*endif ifdef defin win ifndef errno handl error thread char window*}



V	θ	Size	File	Package
2	0.83	2007	hba.c	src.backend.libpq
2	0.80	1211	auth.c	src.backend.libpq
2	0.71	413	crypt.c	src.backend.libpq
2	0.64	678	fe-auth.c	src.interfaces.libpq
40	0.99	3196	hba.c	src.backend.libpq
40	0.96	277	crypt.c	src.backend.libpq
40	0.76	1594	auth.c	src.backend.libpq
40	0.54	939	fe-auth.c	src.interfaces.libpq
3	0.84	2007	hba.c	src.backend.libpq
3	0.80	1211	auth.c	src.backend.libpq
3	0.71	413	crypt.c	src.backend.libpq
3	0.53	147	password.c	src.backend.libpq

"auth req", {*line port file user ident password auth statu token error crypt*}

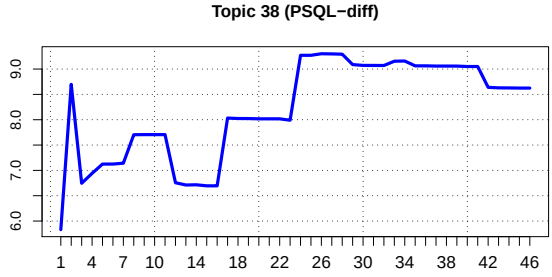
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
38	0.6212	0.0784
41	1.6832	0.2496
31	1.7173	0.1212

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
8	2.2741	0.0305
91	3.2349	0.0318
12	2.9829	0.0333

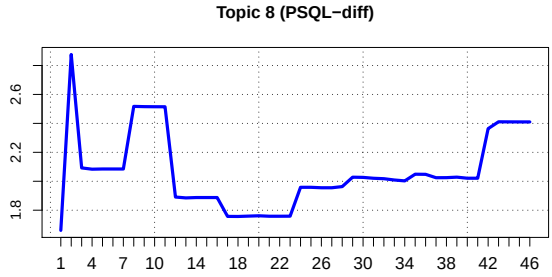
Best matching topic (Topic distance = 0.621, Evolution distance = 0.0784):



V	θ	Size	File	Package
26	0.75	674	ip.c	src.backend.libpq
26	0.71	154	pipe.c	src.port
26	0.70	255	getaddrinfo.c	src.port
26	0.59	1445	auth.c	src.backend.libpq
46	0.75	694	ip.c	src.backend.libpq
46	0.71	154	pipe.c	src.port
46	0.51	36	noblock.c	src.port
46	0.50	2242	pqcomm.c	src.backend.libpq
1	0.77	1211	auth.c	src.backend.libpq
1	0.72	233	pqpacket.c	src.backend.libpq
1	0.54	2007	hba.c	src.backend.libpq
1	0.54	961	pqcomm.c	src.backend.libpq

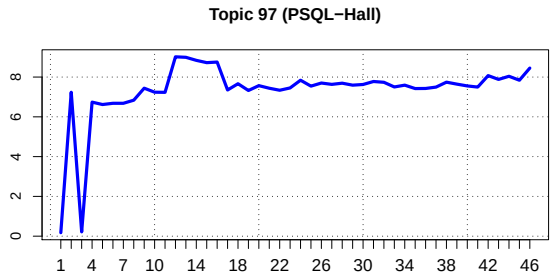
"port port", {*port sock ssl addr socket inet error statu auth password host*}

Best matching topic evolution (Topic distance = 2.274, Evolution distance = 0.0305):



V	θ	Size	File	Package
2	0.62	4034	readfuncs.c	src.backend.nodes
2	0.37	628	read.c	src.backend.nodes
2	0.21	227	PGtokenizer.java	src.interfaces.jdbc.org.postgresql.util
2	0.20	227	PGtokenizer.java	src.interfaces.jdbc.postgresql.util
41	0.37	2126	readfuncs.c	src.backend.nodes
41	0.35	773	read.c	src.backend.nodes
41	0.13	428	security.c	src.backend.port.win32
41	0.11	1117	datetime.c	src.interfaces.ecpg.pgtypeslib
1	0.62	4034	readfuncs.c	src.backend.nodes
1	0.37	628	read.c	src.backend.nodes
1	0.13	707	stats.c	src.backend.access.heap
1	0.10	172	pg_locale.c	src.backend.utils.adt

"token token", {*token length local read strtok node els eat char atoi strncmp*}



V	θ	Size	File	Package
12	1.00	126	sprompt.c	src.bin.pg_dump
12	1.00	126	sprompt.c	src.bin.psql
12	0.95	3028	command.c	src.bin.psql
12	0.86	255	input.c	src.bin.psql
40	1.00	167	sprompt.c	src.port
40	0.95	2995	command.c	src.bin.psql
40	0.87	923	mainloop.c	src.bin.psql
40	0.77	2554	common.c	src.bin.psql
1	0.16	566	trace.c	src.backend.utils.misc
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"pset encod", {*pset queri psql els cmd option prompt buf error result success*}

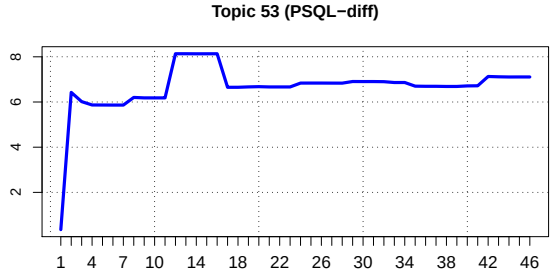
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
53	0.1783	0.0383
9	1.6308	0.0904
41	1.6759	0.1331

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
53	0.1783	0.0383
56	2.4625	0.0562
25	3.2907	0.0596

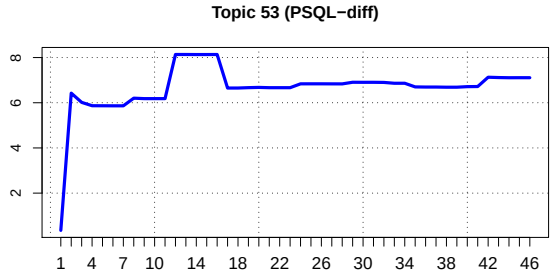
Best matching topic (Topic distance = 0.178, Evolution distance = 0.0383):



V	θ	Size	File	Package
12	1.00	126	sprompt.c	src.bin.psql
12	0.98	126	sprompt.c	src.bin.pg_dump
12	0.79	1085	mainloop.c	src.bin.psql
12	0.67	255	input.c	src.bin.psql
35	0.81	167	sprompt.c	src.port
35	0.70	923	mainloop.c	src.bin.psql
35	0.58	2995	command.c	src.bin.psql
35	0.54	531	input.c	src.bin.psql
1	0.16	566	trace.c	src.backend.utils.misc
1	0.05	349	string_io.c	contrib.string
1	0.05	836	pg_lzcompress.c	src.backend.utils.adt
1	0.04	191	globals.c	src.backend.utils.init

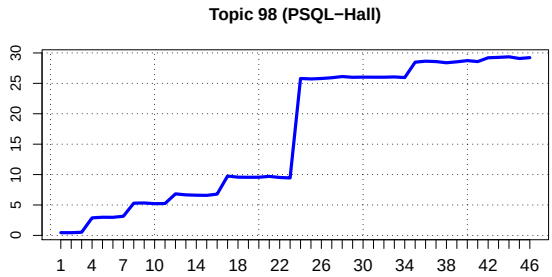
"reset cancel", {*pset queri psql option line prompt els cmd variabl error encod*}

Best matching topic evolution (Topic distance = 0.178, Evolution distance = 0.0383):



V	θ	Size	File	Package
12	1.00	126	sprompt.c	src.bin.psql
12	0.98	126	sprompt.c	src.bin.pg_dump
12	0.79	1085	mainloop.c	src.bin.psql
12	0.67	255	input.c	src.bin.psql
35	0.81	167	sprompt.c	src.port
35	0.70	923	mainloop.c	src.bin.psql
35	0.58	2995	command.c	src.bin.psql
35	0.54	531	input.c	src.bin.psql
1	0.16	566	trace.c	src.backend.utils.misc
1	0.05	349	string_io.c	contrib.string
1	0.05	836	pg_lzcompress.c	src.backend.utils.adt
1	0.04	191	globals.c	src.backend.utils.init

"reset cancel", {*pset queri psql option line prompt els cmd variabl error encod*}



V	θ	Size	File	Package
44	1.00	259	btree_cash.c	contrib.btree_gist
44	1.00	247	btree_float4.c	contrib.btree_gist
44	1.00	247	btree_float8.c	contrib.btree_gist
44	1.00	248	btree_int4.c	contrib.btree_gist
17	0.93	1588	seg.c	contrib.seg
17	0.90	138	btree_common.c	contrib.btree_gist
17	0.86	954	_int_gist.c	contrib.intarray
17	0.85	1535	cube.c	contrib.cube
2	0.18	2133	rtree.c	src.backend.access.rtree
2	0.17	2784	gist.c	src.backend.access.gist
2	0.04	418	be-pqexec.c	src.backend.libpq
2	0.04	219	mac.c	src.backend.utils.adt

"strategi number", {*datum pointer kei gbt function entri number size spl gist seg*}

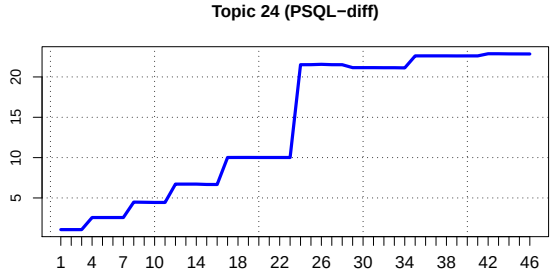
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
24	0.1898	0.0153
88	1.1951	0.3012
22	1.9802	0.5893

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
24	0.1898	0.0153
37	3.0924	0.1452
7	3.2467	0.1557

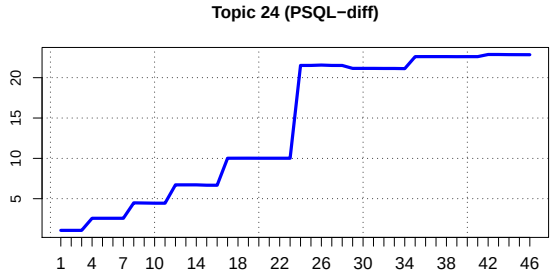
Best matching topic (Topic distance = 0.190, Evolution distance = 0.0153):



V	θ	Size	File	Package
42	0.93	510	btree_utils_num.c	contrib.btree_gist
42	0.88	389	tsquery_gist.c	src.backend.utils.adt
42	0.76	247	btree_float8.c	contrib.btree_gist
42	0.76	856	_ltree_gist.c	contrib.ltree
19	0.87	138	btree_common.c	contrib.btree_gist
19	0.80	841	_ltree_gist.c	contrib.ltree
19	0.76	1090	ltree_gist.c	contrib.ltree
19	0.74	954	_int_gist.c	contrib.intarray
2	0.55	44	itemptr.c	src.backend.storage.page
2	0.19	2784	gist.c	src.backend.access.gist
2	0.15	2133	rtree.c	src.backend.access.rtree
2	0.07	836	pg_lzcompress.c	src.backend.utils.adt

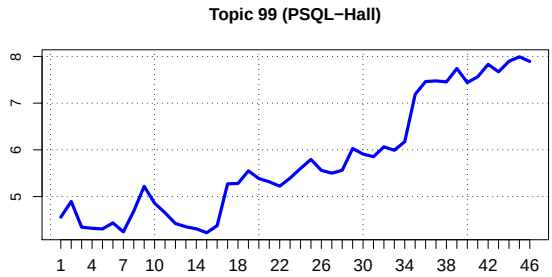
"gistentri entri gistentri", {*pointer datum spl kei entri gbt gistentri number gist size offset*}

Best matching topic evolution (Topic distance = 0.190, Evolution distance = 0.0153):



V	θ	Size	File	Package
42	0.93	510	btree_utils_num.c	contrib.btree_gist
42	0.88	389	tsquery_gist.c	src.backend.utils.adt
42	0.76	247	btree_float8.c	contrib.btree_gist
42	0.76	856	_ltree_gist.c	contrib.ltree
19	0.87	138	btree_common.c	contrib.btree_gist
19	0.80	841	_ltree_gist.c	contrib.ltree
19	0.76	1090	ltree_gist.c	contrib.ltree
19	0.74	954	_int_gist.c	contrib.intarray
2	0.55	44	itemptr.c	src.backend.storage.page
2	0.19	2784	gist.c	src.backend.access.gist
2	0.15	2133	rtree.c	src.backend.access.rtree
2	0.07	836	pg_lzcompress.c	src.backend.utils.adt

"gistentri entri gistentri", {*pointer datum spl kei entri gbt gistentri number gist size offset*}



V	θ	Size	File	Package
45	0.99	8115	arrayfuncs.c	src.backend.utils.adt
45	0.95	896	array_userfuncs.c	src.backend.utils.adt
45	0.75	367	arrayutils.c	src.backend.utils.adt
45	0.42	318	_int_tool.c	contrib.intarray
27	0.98	6902	arrayfuncs.c	src.backend.utils.adt
27	0.96	799	array_userfuncs.c	src.backend.utils.adt
27	0.64	135	arrayutils.c	src.backend.utils.adt
27	0.40	314	_int_tool.c	contrib.intarray
15	0.98	3763	arrayfuncs.c	src.backend.utils.adt
15	0.91	450	array_iterator.c	contrib.array
15	0.61	130	arrayutils.c	src.backend.utils.adt
15	0.24	581	variable.c	src.interfaces.ecpg.preproc

"arrai type", {*arrai elem type ndim arr dim datum extra ptr errcod result*}

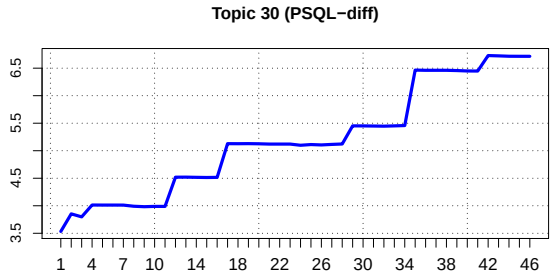
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
30	0.1652	0.0097
55	1.5510	0.0230
41	1.6812	0.0241

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
30	0.1652	0.0097
15	3.6202	0.0153
22	2.1567	0.0183

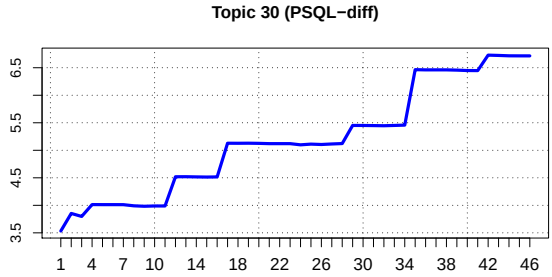
Best matching topic (Topic distance = 0.165, Evolution distance = 0.0097):



V	θ	Size	File	Package
42	0.70	8115	arrayfuncs.c	src.backend.utils.adt
42	0.69	896	array_userfuncs.c	src.backend.utils.adt
42	0.41	367	arrayutils.c	src.backend.utils.adt
42	0.39	318	_int_tool.c	contrib.intarray
22	0.68	6314	arrayfuncs.c	src.backend.utils.adt
22	0.67	799	array_userfuncs.c	src.backend.utils.adt
22	0.59	130	arrayutils.c	src.backend.utils.adt
22	0.38	314	_int_tool.c	contrib.intarray
1	0.75	2854	arrayfuncs.c	src.backend.utils.adt
1	0.60	532	array_iterator.c	contrib.array
1	0.46	95	arrayutils.c	src.backend.utils.adt
1	0.37	834	chunk.c	src.backend.utils.adt

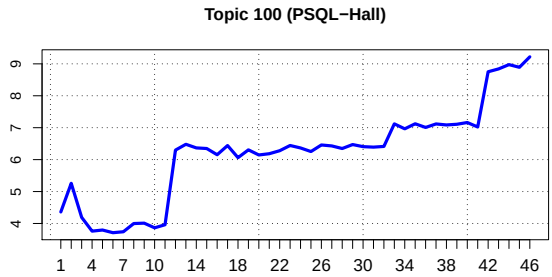
"arrai arrai", {*arrai arr elem dim type ndim ptr extra nitem typlen data*}

Best matching topic evolution (Topic distance = 0.165, Evolution distance = 0.0097):



V	θ	Size	File	Package
42	0.70	8115	arrayfuncs.c	src.backend.utils.adt
42	0.69	896	array_userfuncs.c	src.backend.utils.adt
42	0.41	367	arrayutils.c	src.backend.utils.adt
42	0.39	318	_int_tool.c	contrib.intarray
22	0.68	6314	arrayfuncs.c	src.backend.utils.adt
22	0.67	799	array_userfuncs.c	src.backend.utils.adt
22	0.59	130	arrayutils.c	src.backend.utils.adt
22	0.38	314	_int_tool.c	contrib.intarray
1	0.75	2854	arrayfuncs.c	src.backend.utils.adt
1	0.60	532	array_iterator.c	contrib.array
1	0.46	95	arrayutils.c	src.backend.utils.adt
1	0.37	834	chunk.c	src.backend.utils.adt

"arrai arrai", {*arrai arr elem dim type ndim ptr extra nitem typlen data*}



V	θ	Size	File	Package
46	0.76	612	pseudotypes.c	src.backend.utils.adt
46	0.73	731	aggregatecmds.c	src.backend.commands
46	0.66	522	define.c	src.backend.commands
46	0.64	4090	functioncmds.c	src.backend.commands
14	0.84	392	aggregatecmds.c	src.backend.commands
14	0.83	323	pseudotypes.c	src.backend.utils.adt
14	0.67	410	define.c	src.backend.commands
14	0.66	2123	functioncmds.c	src.backend.commands
6	0.85	1468	define.c	src.backend.commands
6	0.52	602	pg_aggregate.c	src.backend.catalog
6	0.51	958	pg_proc.c	src.backend.catalog
6	0.44	351	proclang.c	src.backend.commands

"agg agg", {*type proc function agg error oid tup aggreg languag errcod def*}

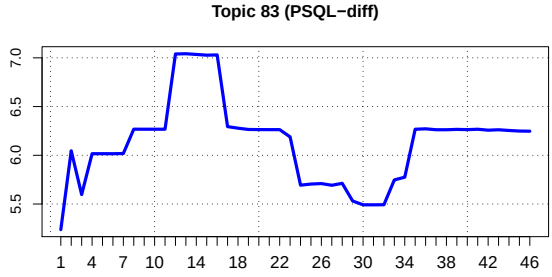
Top 3 matching topics in PSQL-diff:

Topic	Dist.	EvoDist.
83	1.1262	0.1192
76	1.2498	0.0477
69	1.3280	0.0958

Top 3 matching topic evolutions in PSQL-diff:

Topic	Dist.	EvoDist.
40	2.5943	0.0118
60	2.9751	0.0186
30	2.3549	0.0246

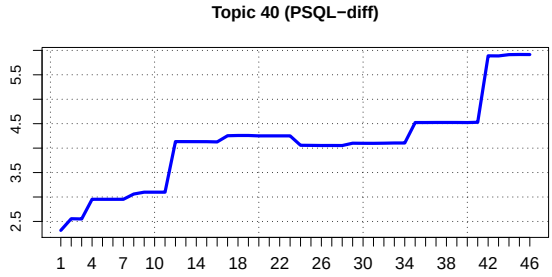
Best matching topic (Topic distance = 1.126, Evolution distance = 0.1192):



V	θ	Size	File	Package
13	0.66	3749	fmgr.c	src.backend.utils.fmgr
13	0.60	267	pl_handler.c	src.pl.plpgsql.src
13	0.50	230	funcapi.c	src.backend.utils.fmgr
13	0.46	102	fcache.c	src.backend.utils.cache
42	0.61	4912	fmgr.c	src.backend.utils.fmgr
42	0.46	409	pl_handler.c	src.pl.plpgsql.src
42	0.31	1173	fastpath.c	src.backend.tcop
42	0.31	2279	functions.c	src.backend.executor
1	0.52	234	pl_handler.c	src.pl.plpgsql.src
1	0.50	579	fcache.c	src.backend.utils.cache
1	0.40	618	pg_proc.c	src.backend.catalog
1	0.29	256	sets.c	src.backend.utils.adt

"function call", {*function func fcinfo arg proc call oid procedur fmgr info datum*}

Best matching topic evolution (Topic distance = 2.594, Evolution distance = 0.0118):

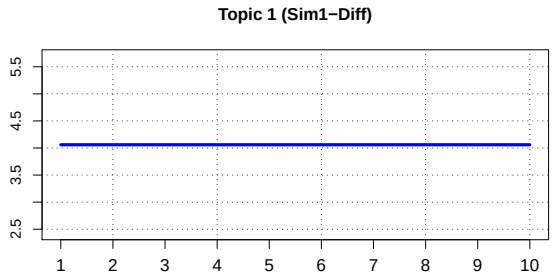


V	θ	Size	File	Package
45	0.53	5133	utility.c	src.backend.tcop
45	0.50	1239	keywords.c	src.backend.parser
45	0.46	9	nodes.c	src.backend.nodes
45	0.44	569	alter.c	src.backend.commands
16	0.60	1858	utility.c	src.backend.tcop
16	0.32	410	define.c	src.backend.commands
16	0.29	558	operatorcmds.c	src.backend.commands
16	0.27	392	aggregatecmds.c	src.backend.commands
1	0.64	1994	utility.c	src.backend.tcop
1	0.38	1330	define.c	src.backend.commands
1	0.38	1075	sequence.c	src.backend.commands
1	0.21	1671	comment.c	src.backend.commands

"strcasecmp defel defnam", {*stmt creat alter def tag drop comment defel keyword relnam option*}

3 Simulated Scenario 1

3.1 Diff



V	θ	Size	File	Package
10	0.86	1981	hashovfl.c	src.backend.access.hash
10	0.73	2070	hashpage.c	src.backend.access.hash
10	0.72	560	hashinsert.c	src.backend.access.hash
10	0.52	859	hashsearch.c	src.backend.access.hash
5	0.86	1981	hashovfl.c	src.backend.access.hash
5	0.73	2070	hashpage.c	src.backend.access.hash
5	0.72	560	hashinsert.c	src.backend.access.hash
5	0.52	859	hashsearch.c	src.backend.access.hash
1	0.86	1981	hashovfl.c	src.backend.access.hash
1	0.73	2070	hashpage.c	src.backend.access.hash
1	0.72	560	hashinsert.c	src.backend.access.hash
1	0.52	859	hashsearch.c	src.backend.access.hash

"page page", {*hash page bucket rel buffer metap block hashm relat buf write*}

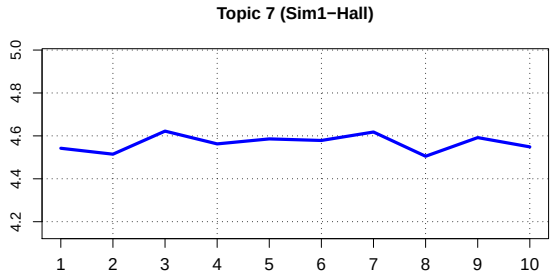
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
7	0.1756	0.0007
15	1.2923	0.0009
10	1.6016	0.0001

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.8412	0.0000
3	2.6839	0.0000
2	2.3783	0.0000

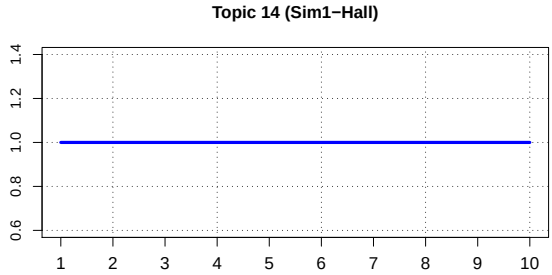
Best matching topic (Topic distance = 0.176, Evolution distance = 0.0007):



V	θ	Size	File	Package
3	1.00	560	hashinsert.c	src.backend.access.hash
3	1.00	1981	hashovfl.c	src.backend.access.hash
3	1.00	2070	hashpage.c	src.backend.access.hash
3	0.61	354	hashutil.c	src.backend.access.hash
4	1.00	560	hashinsert.c	src.backend.access.hash
4	1.00	1981	hashovfl.c	src.backend.access.hash
4	1.00	2070	hashpage.c	src.backend.access.hash
4	0.58	354	hashutil.c	src.backend.access.hash
8	1.00	560	hashinsert.c	src.backend.access.hash
8	1.00	1981	hashovfl.c	src.backend.access.hash
8	1.00	2070	hashpage.c	src.backend.access.hash
8	0.57	354	hashutil.c	src.backend.access.hash

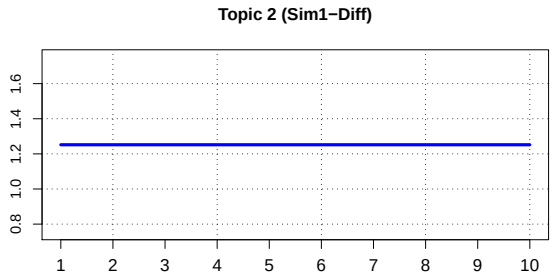
"oldest xact", {*hash page bucket rel buffer metap lock block hashm write buf*}

Best matching topic evolution (Topic distance = 2.841, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.90	2943	`tuptoaster.c`	`src.backend.access.heap`
10	0.22	640	`indextuple.c`	`src.backend.access.common`
10	0.05	1210	`gistutil.c`	`src.backend.access.gist`
10	0.04	3533	`heaptuple.c`	`src.backend.access.common`
5	0.90	2943	`tuptoaster.c`	`src.backend.access.heap`
5	0.22	640	`indextuple.c`	`src.backend.access.common`
5	0.05	1210	`gistutil.c`	`src.backend.access.gist`
5	0.04	3533	`heaptuple.c`	`src.backend.access.common`
1	0.90	2943	`tuptoaster.c`	`src.backend.access.heap`
1	0.22	640	`indextuple.c`	`src.backend.access.common`
1	0.05	1210	`gistutil.c`	`src.backend.access.gist`
1	0.04	3533	`heaptuple.c`	`src.backend.access.common`

"max kei", {*toast size tupl datum attr heap result valu varatt extern chunk*}

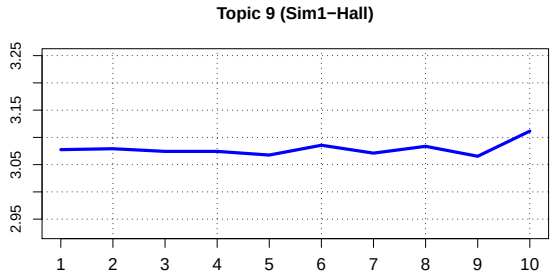
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
9	0.6035	0.0002
12	1.5621	0.0005
19	1.9947	0.0025

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	3.0971	0.0000
3	2.6190	0.0000
2	2.4613	0.0000

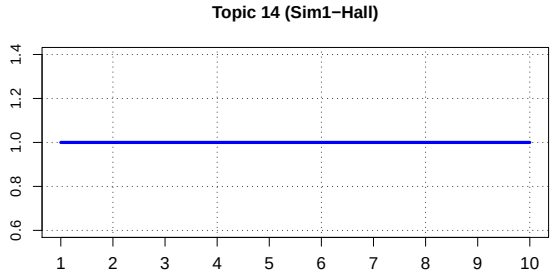
Best matching topic (Topic distance = 0.604, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	1.00	3533	`heaptuple.c`	`src.backend.access.common`
10	1.00	640	`indextuple.c`	`src.backend.access.common`
10	1.00	2943	`tuptoaster.c`	`src.backend.access.heap`
10	0.11	619	`reloptions.c`	`src.backend.access.common`
4	1.00	3533	`heaptuple.c`	`src.backend.access.common`
4	1.00	640	`indextuple.c`	`src.backend.access.common`
4	1.00	2943	`tuptoaster.c`	`src.backend.access.heap`
4	0.07	619	`reloptions.c`	`src.backend.access.common`
9	1.00	3533	`heaptuple.c`	`src.backend.access.common`
9	1.00	640	`indextuple.c`	`src.backend.access.common`
9	1.00	2943	`tuptoaster.c`	`src.backend.access.heap`
9	0.06	619	`reloptions.c`	`src.backend.access.common`

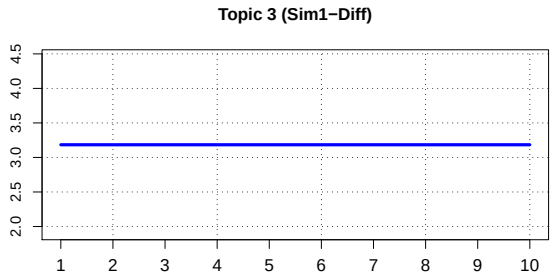
"xmin snapshot", {*tupl heap toast attribut datum att valu size attnum attr isnul*}

Best matching topic evolution (Topic distance = 3.097, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	`xact.c`	`src.backend.access.transam`
10	NA	NA	`NA`	`NA`
10	NA	NA	`NA`	`NA`
10	NA	NA	`NA`	`NA`
5	1.00	9349	`xact.c`	`src.backend.access.transam`
5	NA	NA	`NA`	`NA`
5	NA	NA	`NA`	`NA`
5	NA	NA	`NA`	`NA`
1	1.00	9349	`xact.c`	`src.backend.access.transam`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.79	2428	nbtutils.c	src.backend.access.nbtree
10	0.70	3305	nbtsearch.c	src.backend.access.nbtree
10	0.44	220	scankey.c	src.backend.access.common
10	0.38	859	hashsearch.c	src.backend.access.hash
5	0.79	2428	nbtutils.c	src.backend.access.nbtree
5	0.70	3305	nbtsearch.c	src.backend.access.nbtree
5	0.44	220	scankey.c	src.backend.access.common
5	0.38	859	hashsearch.c	src.backend.access.hash
1	0.79	2428	nbtutils.c	src.backend.access.nbtree
1	0.70	3305	nbtsearch.c	src.backend.access.nbtree
1	0.44	220	scankey.c	src.backend.access.common
1	0.38	859	hashsearch.c	src.backend.access.hash

"btree vacuum", {*kei scan page item index opaqu curr strategi buf scankei offnum*}

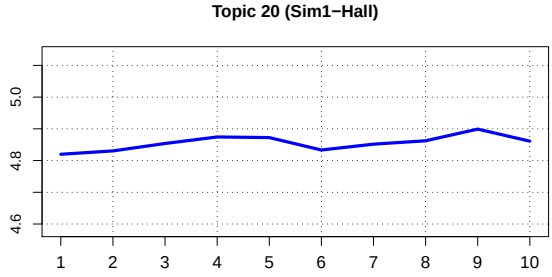
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
20	0.5207	0.0002
12	0.6270	0.0005
10	1.3247	0.0001

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.6890	0.0000
3	2.5712	0.0000
2	2.3625	0.0000

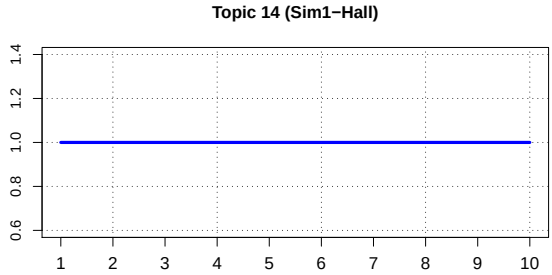
Best matching topic (Topic distance = 0.521, Evolution distance = 0.0002):



V	θ	Size	File	Package
9	1.00	2308	nbtree.c	src.backend.access.nbtree
9	1.00	3305	nbtsearch.c	src.backend.access.nbtree
9	0.84	401	gistscan.c	src.backend.access.gist
9	0.75	983	gistget.c	src.backend.access.gist
3	1.00	2308	nbtree.c	src.backend.access.nbtree
3	1.00	3305	nbtsearch.c	src.backend.access.nbtree
3	0.80	401	gistscan.c	src.backend.access.gist
3	0.74	983	gistget.c	src.backend.access.gist
1	1.00	2308	nbtree.c	src.backend.access.nbtree
1	1.00	3305	nbtsearch.c	src.backend.access.nbtree
1	0.81	401	gistscan.c	src.backend.access.gist
1	0.73	1669	hash.c	src.backend.access.hash

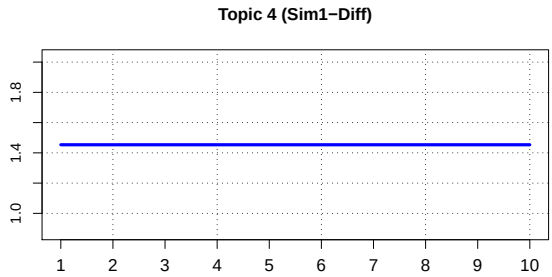
"rdata len insert", {*scan page index item opaqu kei buffer buf tupl curr rel*}

Best matching topic evolution (Topic distance = 2.689, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.81	9801	heapam.c	src.backend.access.heap
10	0.56	861	hio.c	src.backend.access.heap
10	0.04	1404	indexam.c	src.backend.access.index
10	0.03	4356	nbtinsert.c	src.backend.access.nbtree
5	0.81	9801	heapam.c	src.backend.access.heap
5	0.56	861	hio.c	src.backend.access.heap
5	0.04	1404	indexam.c	src.backend.access.index
5	0.03	4356	nbtinsert.c	src.backend.access.nbtree
1	0.81	9801	heapam.c	src.backend.access.heap
1	0.56	861	hio.c	src.backend.access.heap
1	0.04	1404	indexam.c	src.backend.access.index
1	0.03	4356	nbtinsert.c	src.backend.access.nbtree

"buffer buffer", {*buffer tupl heap page relat lock scan item xmax updat xlog*}

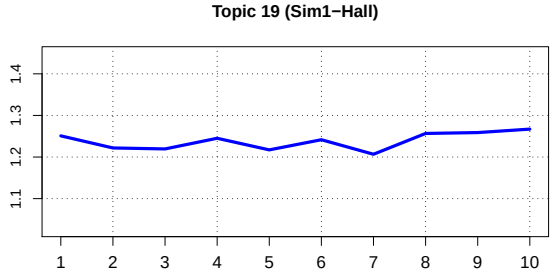
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
19	0.1387	0.0025
13	1.2490	0.0005
15	1.4346	0.0009

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	1.9810	0.0000
3	2.0173	0.0000
2	1.7830	0.0000

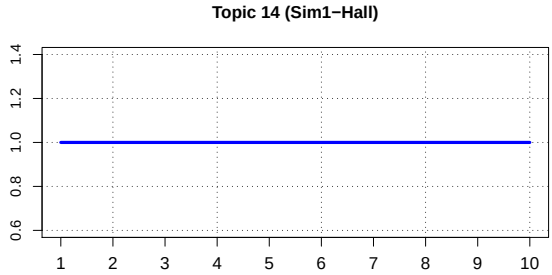
Best matching topic (Topic distance = 0.139, Evolution distance = 0.0025):



V	θ	Size	File	Package
10	1.00	9801	heapam.c	src.backend.access.heap
10	0.27	861	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
6	1.00	9801	heapam.c	src.backend.access.heap
6	0.24	861	hio.c	src.backend.access.heap
6	NA	NA	NA	NA
6	NA	NA	NA	NA
7	1.00	9801	heapam.c	src.backend.access.heap
7	0.21	861	hio.c	src.backend.access.heap
7	NA	NA	NA	NA
7	NA	NA	NA	NA

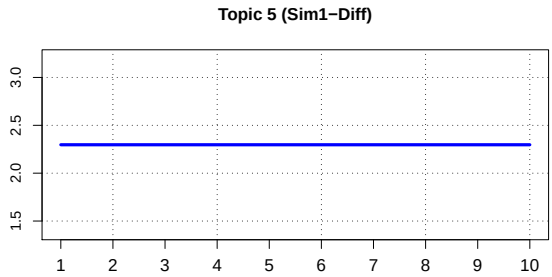
"heap desc", {*tupl heap buffer page lock relat scan xmax item updat xlog*}

Best matching topic evolution (Topic distance = 1.981, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.92	609	transam.c	src.backend.access.transam
10	0.73	1105	varsup.c	src.backend.access.transam
10	0.41	757	subtrans.c	src.backend.access.transam
10	0.14	1126	clog.c	src.backend.access.transam
5	0.92	609	transam.c	src.backend.access.transam
5	0.73	1105	varsup.c	src.backend.access.transam
5	0.41	757	subtrans.c	src.backend.access.transam
5	0.14	1126	clog.c	src.backend.access.transam
1	0.92	609	transam.c	src.backend.access.transam
1	0.73	1105	varsup.c	src.backend.access.transam
1	0.41	757	subtrans.c	src.backend.access.transam
1	0.14	1126	clog.c	src.backend.access.transam

"xid gen", {*transact xid subtran commit cach shmem variabl limit statu normal log*}

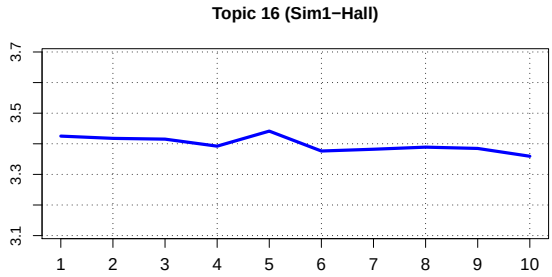
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
16	0.5569	0.0005
14	1.9867	0.0000
3	2.1733	0.0000

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	1.9867	0.0000
3	2.1733	0.0000
2	2.3534	0.0000

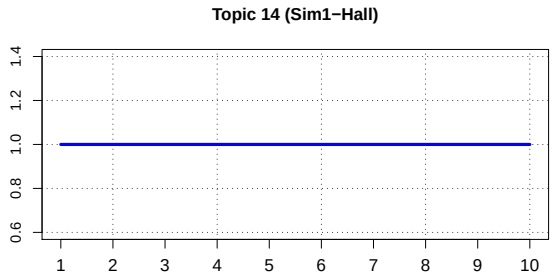
Best matching topic (Topic distance = 0.557, Evolution distance = 0.0005):



V	θ	Size	File	Package
5	1.00	609	transam.c	src.backend.access.transam
5	1.00	1105	varsup.c	src.backend.access.transam
5	0.86	619	reloptions.c	src.backend.access.common
5	0.48	757	subtrans.c	src.backend.access.transam
8	1.00	609	transam.c	src.backend.access.transam
8	1.00	1105	varsup.c	src.backend.access.transam
8	0.84	619	reloptions.c	src.backend.access.common
8	0.45	757	subtrans.c	src.backend.access.transam
10	1.00	609	transam.c	src.backend.access.transam
10	1.00	1105	varsup.c	src.backend.access.transam
10	0.81	619	reloptions.c	src.backend.access.common
10	0.47	757	subtrans.c	src.backend.access.transam

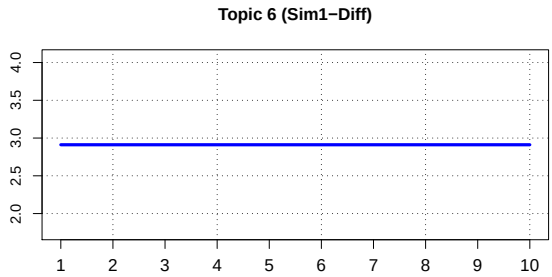
"control lock", {*transact xid subtran limit cach commit statu oid normal parent variabl*}

Best matching topic evolution (Topic distance = 1.987, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.83	2525	gistxlog.c	src.backend.access.gist
10	0.62	2387	nbtxlog.c	src.backend.access.nbtree
10	0.54	1827	ginxlog.c	src.backend.access.gin
10	0.45	122	rmgr.c	src.backend.access.transam
5	0.83	2525	gistxlog.c	src.backend.access.gist
5	0.62	2387	nbtxlog.c	src.backend.access.nbtree
5	0.54	1827	ginxlog.c	src.backend.access.gin
5	0.45	122	rmgr.c	src.backend.access.transam
1	0.83	2525	gistxlog.c	src.backend.access.gist
1	0.62	2387	nbtxlog.c	src.backend.access.nbtree
1	0.54	1827	ginxlog.c	src.backend.access.gin
1	0.45	122	rmgr.c	src.backend.access.transam

"xlog read", {*page buffer xlog node insert split xlrec record info lsn rec*}

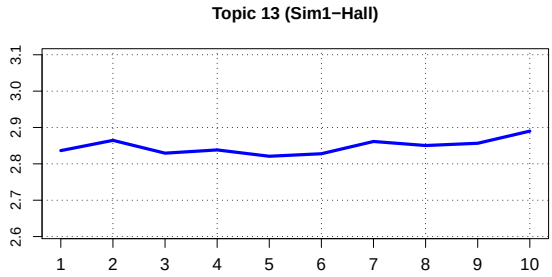
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
13	0.1555	0.0005
11	1.1419	0.0014
15	1.4277	0.0009

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.4886	0.0000
3	2.3170	0.0000
2	1.5137	0.0000

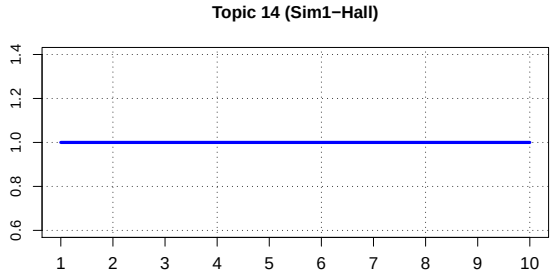
Best matching topic (Topic distance = 0.156, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	1.00	2387	nbtxlog.c	src.backend.access.nbtree
10	0.83	2525	gistxlog.c	src.backend.access.gist
10	0.61	1827	ginxlog.c	src.backend.access.gin
10	0.39	122	rmgr.c	src.backend.access.transam
4	1.00	2387	nbtxlog.c	src.backend.access.nbtree
4	0.83	2525	gistxlog.c	src.backend.access.gist
4	0.62	1827	ginxlog.c	src.backend.access.gin
4	0.34	122	rmgr.c	src.backend.access.transam
5	1.00	2387	nbtxlog.c	src.backend.access.nbtree
5	0.80	2525	gistxlog.c	src.backend.access.gist
5	0.60	1827	ginxlog.c	src.backend.access.gin
5	0.34	122	rmgr.c	src.backend.access.transam

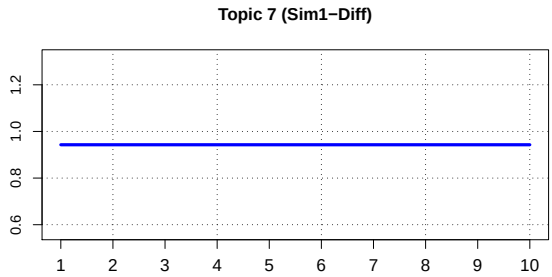
"relat rel", {*page buffer xlog node insert xlrec record split lsn btree info*}

Best matching topic evolution (Topic distance = 2.489, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.81	18415	xlog.c	src.backend.access.transam
10	0.07	1126	clog.c	src.backend.access.transam
10	0.03	1751	nbtsort.c	src.backend.access.nbtree
10	NA	NA	NA	NA
5	0.81	18415	xlog.c	src.backend.access.transam
5	0.07	1126	clog.c	src.backend.access.transam
5	0.03	1751	nbtsort.c	src.backend.access.nbtree
5	NA	NA	NA	NA
1	0.81	18415	xlog.c	src.backend.access.transam
1	0.07	1126	clog.c	src.backend.access.transam
1	0.03	1751	nbtsort.c	src.backend.access.nbtree
1	NA	NA	NA	NA

"control file", {*xlog file record log write ptr rec control page seg recoveri*}

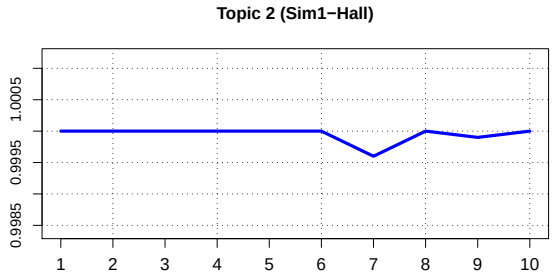
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
2	0.1331	0.0000
13	1.6799	0.0005
3	1.7429	0.0000

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.3287	0.0000
3	1.7429	0.0000
2	0.1331	0.0000

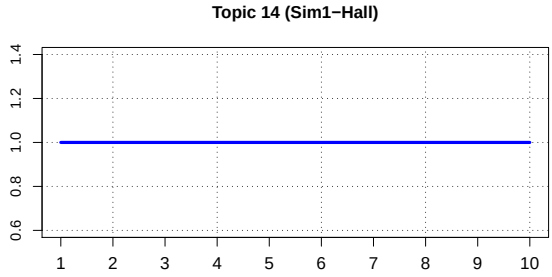
Best matching topic (Topic distance = 0.133, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	18415	xlog.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	18415	xlog.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA
7	1.00	18415	xlog.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
7	NA	NA	NA	NA

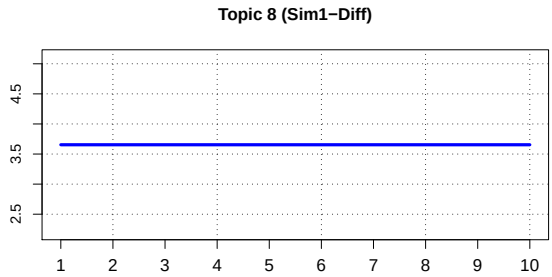
"rdata len insert", {*file xlog record log write ptr control rec page read check*}

Best matching topic evolution (Topic distance = 2.329, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.94	1224	printtup.c	src.backend.access.common
10	0.90	3533	heaptuple.c	src.backend.access.common
10	0.85	1335	tupdesc.c	src.backend.access.common
10	0.66	640	indextuple.c	src.backend.access.common
5	0.94	1224	printtup.c	src.backend.access.common
5	0.90	3533	heaptuple.c	src.backend.access.common
5	0.85	1335	tupdesc.c	src.backend.access.common
5	0.66	640	indextuple.c	src.backend.access.common
1	0.94	1224	printtup.c	src.backend.access.common
1	0.90	3533	heaptuple.c	src.backend.access.common
1	0.85	1335	tupdesc.c	src.backend.access.common
1	0.66	640	indextuple.c	src.backend.access.common

"tupl desc", {*tupl desc attribut heap att attnum attr natt slot valu isnul*}

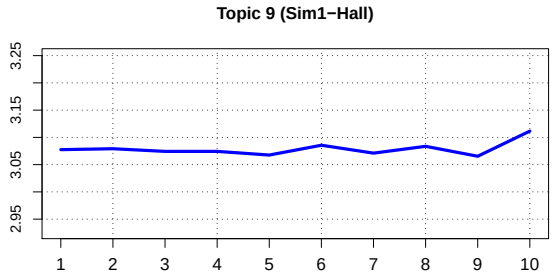
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
9	0.6507	0.0002
1	1.4323	0.0003
4	1.4784	0.0003

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.3352	0.0000
3	2.3170	0.0000
2	2.3577	0.0000

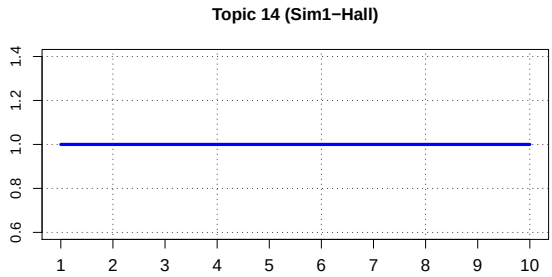
Best matching topic (Topic distance = 0.651, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	1.00	3533	heaptuple.c	src.backend.access.common
10	1.00	640	indextuple.c	src.backend.access.common
10	1.00	2943	tuptoaster.c	src.backend.access.heap
10	0.11	619	reloptions.c	src.backend.access.common
4	1.00	3533	heaptuple.c	src.backend.access.common
4	1.00	640	indextuple.c	src.backend.access.common
4	1.00	2943	tuptoaster.c	src.backend.access.heap
4	0.07	619	reloptions.c	src.backend.access.common
9	1.00	3533	heaptuple.c	src.backend.access.common
9	1.00	640	indextuple.c	src.backend.access.common
9	1.00	2943	tuptoaster.c	src.backend.access.heap
9	0.06	619	reloptions.c	src.backend.access.common

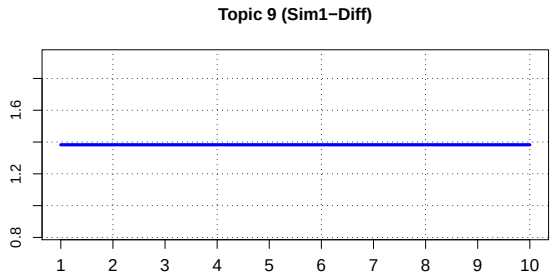
"xmin snapshot", {*tupl heap toast attribut datum att valu size attnum attr isnul*}

Best matching topic evolution (Topic distance = 2.335, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.87	9349	xact.c	src.backend.access.transam
10	0.32	82	twophase_rmgr.c	src.backend.access.transam
10	0.13	217	hashscan.c	src.backend.access.hash
10	0.05	4255	twophase.c	src.backend.access.transam
5	0.87	9349	xact.c	src.backend.access.transam
5	0.32	82	twophase_rmgr.c	src.backend.access.transam
5	0.13	217	hashscan.c	src.backend.access.hash
5	0.05	4255	twophase.c	src.backend.access.transam
1	0.87	9349	xact.c	src.backend.access.transam
1	0.32	82	twophase_rmgr.c	src.backend.access.transam
1	0.13	217	hashscan.c	src.backend.access.hash
1	0.05	4255	twophase.c	src.backend.access.transam

"current transact state", {*transact state tblock abort case block xact commit current context owner*}

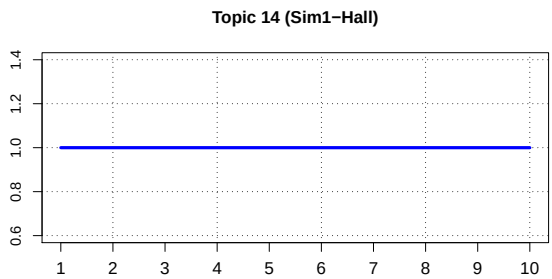
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
14	0.0679	0.0000
3	1.3918	0.0000
16	1.5636	0.0005

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	0.0679	0.0000
3	1.3918	0.0000
2	1.8023	0.0000

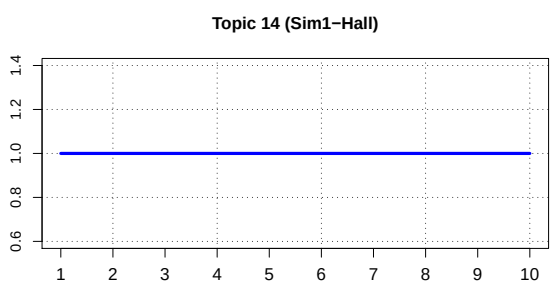
Best matching topic (Topic distance = 0.068, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

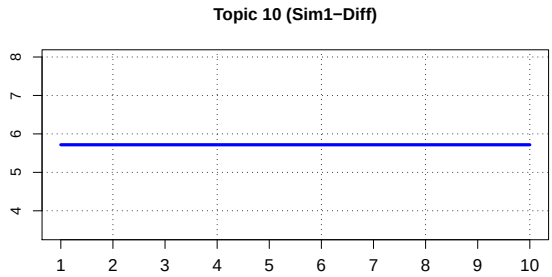
"normal transact", {*transact state tblock abort case block xact commit current context xid*}

Best matching topic evolution (Topic distance = 0.068, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.43	861	hio.c	src.backend.access.heap
10	0.27	1105	varsup.c	src.backend.access.transam
10	0.25	2070	hashpage.c	src.backend.access.hash
10	0.24	544	genam.c	src.backend.access.index
5	0.43	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.25	2070	hashpage.c	src.backend.access.hash
5	0.24	544	genam.c	src.backend.access.index
1	0.43	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.25	2070	hashpage.c	src.backend.access.hash
1	0.24	544	genam.c	src.backend.access.index

"crit section", {*lock size check releas error read note start assert max initi*}

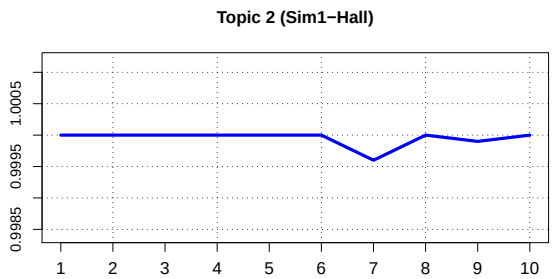
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
2	1.5392	0.0000
12	1.6877	0.0005
3	1.8334	0.0000

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.2752	0.0000
3	1.8334	0.0000
2	1.5392	0.0000

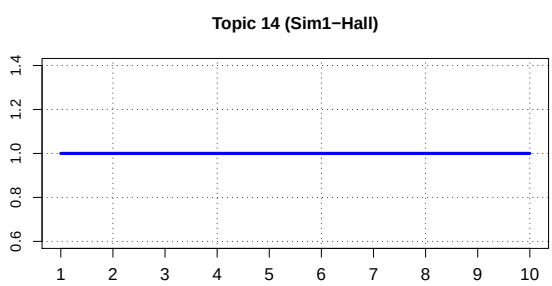
Best matching topic (Topic distance = 1.539, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	18415	xlog.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	18415	xlog.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA
7	1.00	18415	xlog.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
7	NA	NA	NA	NA

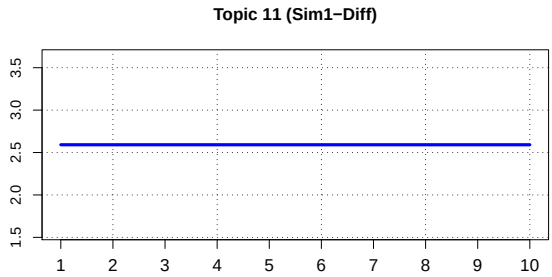
"rdata len insert", {*file xlog record log write ptr control rec page read check*}

Best matching topic evolution (Topic distance = 2.275, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.98	1363	gistsplit.c	src.backend.access.gist
10	0.96	1721	gistproc.c	src.backend.access.gist
10	0.52	1210	gistutil.c	src.backend.access.gist
10	0.08	2761	gist.c	src.backend.access.gist
5	0.98	1363	gistsplit.c	src.backend.access.gist
5	0.96	1721	gistproc.c	src.backend.access.gist
5	0.52	1210	gistutil.c	src.backend.access.gist
5	0.08	2761	gist.c	src.backend.access.gist
1	0.98	1363	gistsplit.c	src.backend.access.gist
1	0.96	1721	gistproc.c	src.backend.access.gist
1	0.52	1210	gistutil.c	src.backend.access.gist
1	0.08	2761	gist.c	src.backend.access.gist

"spl nleft", {*spl box datum giststat gist split kei entri vector offset tupl*}

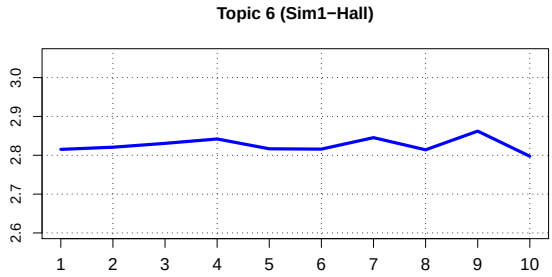
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
6	0.4839	0.0004
4	0.8429	0.0003
10	1.8718	0.0001

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.9650	0.0000
3	2.7778	0.0000
2	2.5147	0.0000

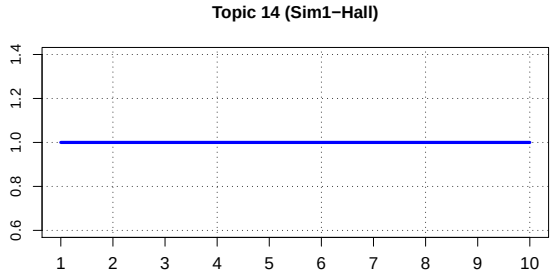
Best matching topic (Topic distance = 0.484, Evolution distance = 0.0004):



V	θ	Size	File	Package
9	1.00	1721	gistproc.c	src.backend.access.gist
9	1.00	166	nbtcompare.c	src.backend.access.nbtree
9	0.77	150	ginarrayproc.c	src.backend.access.gin
9	0.09	619	reloptions.c	src.backend.access.common
5	1.00	1721	gistproc.c	src.backend.access.gist
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.74	150	ginarrayproc.c	src.backend.access.gin
5	0.08	619	reloptions.c	src.backend.access.common
10	1.00	1721	gistproc.c	src.backend.access.gist
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.72	150	ginarrayproc.c	src.backend.access.gin
10	0.08	619	reloptions.c	src.backend.access.common

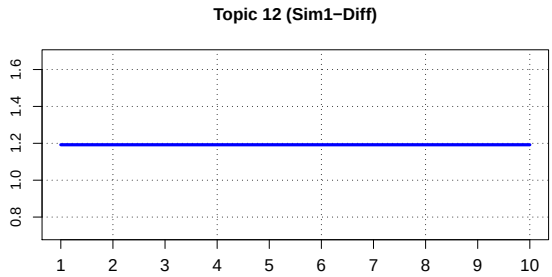
"bucket bucket", {*box datum function strategi getarg high low spl kei queri entri*}

Best matching topic evolution (Topic distance = 2.965, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.72	1751	nbtsort.c	src.backend.access.nbtree
10	0.36	4356	nbtinsert.c	src.backend.access.nbtree
10	0.08	560	hashinsert.c	src.backend.access.hash
10	0.02	2308	nbtree.c	src.backend.access.nbtree
5	0.72	1751	nbtsort.c	src.backend.access.nbtree
5	0.36	4356	nbtinsert.c	src.backend.access.nbtree
5	0.08	560	hashinsert.c	src.backend.access.hash
5	0.02	2308	nbtree.c	src.backend.access.nbtree
1	0.72	1751	nbtsort.c	src.backend.access.nbtree
1	0.36	4356	nbtinsert.c	src.backend.access.nbtree
1	0.08	560	hashinsert.c	src.backend.access.hash
1	0.02	2308	nbtree.c	src.backend.access.nbtree

"index tupl", {*page item index state itup tupl offset kei btp wstate btspool*}

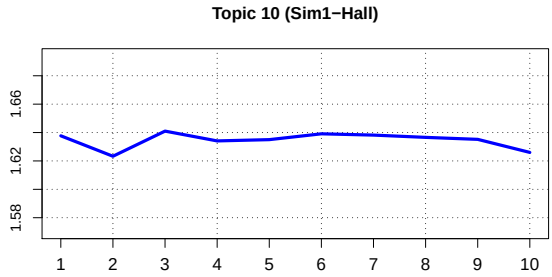
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
10	0.3403	0.0001
20	1.6156	0.0002
17	1.7544	0.0010

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.3460	0.0000
3	2.4028	0.0000
2	2.4419	0.0000

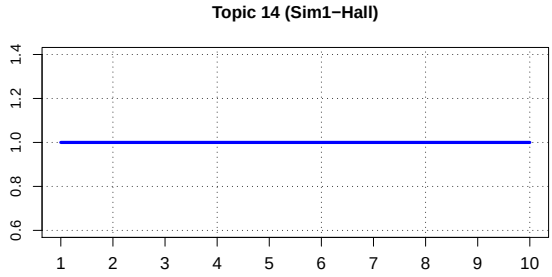
Best matching topic (Topic distance = 0.340, Evolution distance = 0.0001):



V	θ	Size	File	Package
3	1.00	1751	nbtsort.c	src.backend.access.nbtree
3	0.64	4356	nbtinsert.c	src.backend.access.nbtree
3	NA	NA	NA	NA
3	NA	NA	NA	NA
9	1.00	1751	nbtsort.c	src.backend.access.nbtree
9	0.64	4356	nbtinsert.c	src.backend.access.nbtree
9	NA	NA	NA	NA
9	NA	NA	NA	NA
2	1.00	1751	nbtsort.c	src.backend.access.nbtree
2	0.62	4356	nbtinsert.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA

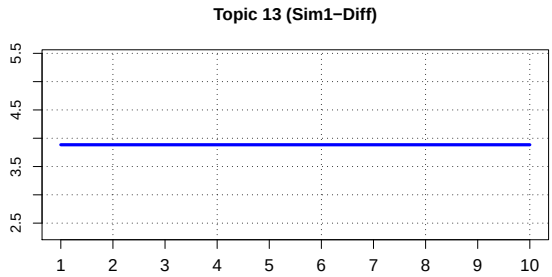
"buffer buffer", {*page item index state itup tupl split offset kei btp wstate*}

Best matching topic evolution (Topic distance = 2.346, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.89	419	hashfunc.c	src.backend.access.hash
10	0.85	619	reloptions.c	src.backend.access.common
10	0.65	150	ginarrayproc.c	src.backend.access.gin
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.89	419	hashfunc.c	src.backend.access.hash
5	0.85	619	reloptions.c	src.backend.access.common
5	0.65	150	ginarrayproc.c	src.backend.access.gin
1	1.00	166	nbtcompare.c	src.backend.access.nbtree
1	0.89	419	hashfunc.c	src.backend.access.hash
1	0.85	619	reloptions.c	src.backend.access.common
1	0.65	150	ginarrayproc.c	src.backend.access.gin

"corrupt errmsg", {*datum getarg uint function arg arrai result fillfactor kei option len*}

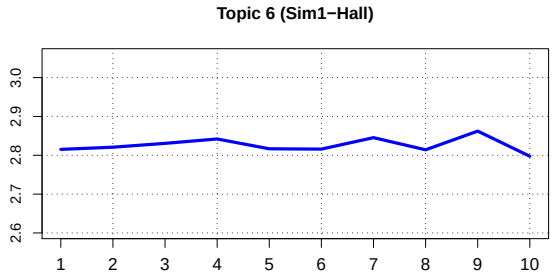
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
6	2.0472	0.0004
12	2.2654	0.0005
5	2.3078	0.0006

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.9271	0.0000
3	2.5986	0.0000
2	2.4059	0.0000

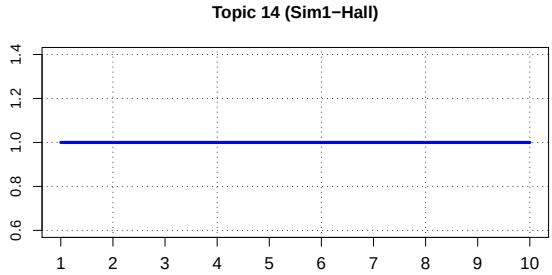
Best matching topic (Topic distance = 2.047, Evolution distance = 0.0004):



V	θ	Size	File	Package
9	1.00	1721	gistproc.c	src.backend.access.gist
9	1.00	166	nbtcompare.c	src.backend.access.nbtree
9	0.77	150	ginarrayproc.c	src.backend.access.gin
9	0.09	619	reloptions.c	src.backend.access.common
5	1.00	1721	gistproc.c	src.backend.access.gist
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.74	150	ginarrayproc.c	src.backend.access.gin
5	0.08	619	reloptions.c	src.backend.access.common
10	1.00	1721	gistproc.c	src.backend.access.gist
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.72	150	ginarrayproc.c	src.backend.access.gin
10	0.08	619	reloptions.c	src.backend.access.common

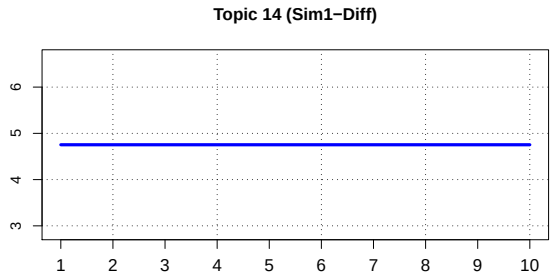
"bucket bucket", {*box datum function strategi getarg high low spl kei queri entri*}

Best matching topic evolution (Topic distance = 2.927, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.79	1404	indexam.c	src.backend.access.index
10	0.70	401	gistscan.c	src.backend.access.gist
10	0.69	544	genam.c	src.backend.access.index
10	0.53	2308	nbtree.c	src.backend.access.nbtree
5	0.79	1404	indexam.c	src.backend.access.index
5	0.70	401	gistscan.c	src.backend.access.gist
5	0.69	544	genam.c	src.backend.access.index
5	0.53	2308	nbtree.c	src.backend.access.nbtree
1	0.79	1404	indexam.c	src.backend.access.index
1	0.70	401	gistscan.c	src.backend.access.gist
1	0.69	544	genam.c	src.backend.access.index
1	0.53	2308	nbtree.c	src.backend.access.nbtree

"index tupl", {*index scan relat tupl info heap datum getarg kei opaqu desc*}

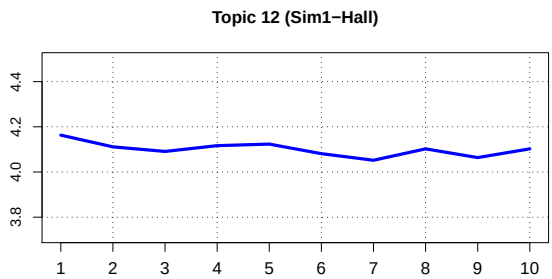
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
12	0.8588	0.0005
20	1.0567	0.0002
19	1.6306	0.0025

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.5813	0.0000
3	2.4667	0.0000
2	2.4528	0.0000

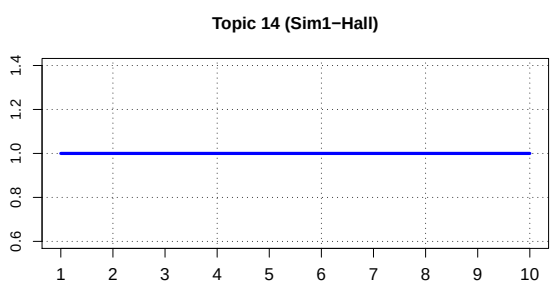
Best matching topic (Topic distance = 0.859, Evolution distance = 0.0005):



V	θ	Size	File	Package
1	1.00	544	genam.c	src.backend.access.index
1	1.00	1404	indexam.c	src.backend.access.index
1	0.91	2428	nbtutils.c	src.backend.access.nbtree
1	0.81	220	scankey.c	src.backend.access.common
8	1.00	544	genam.c	src.backend.access.index
8	1.00	1404	indexam.c	src.backend.access.index
8	0.92	2428	nbtutils.c	src.backend.access.nbtree
8	0.74	220	scankey.c	src.backend.access.common
7	1.00	544	genam.c	src.backend.access.index
7	1.00	1404	indexam.c	src.backend.access.index
7	0.90	2428	nbtutils.c	src.backend.access.nbtree
7	0.73	220	scankey.c	src.backend.access.common

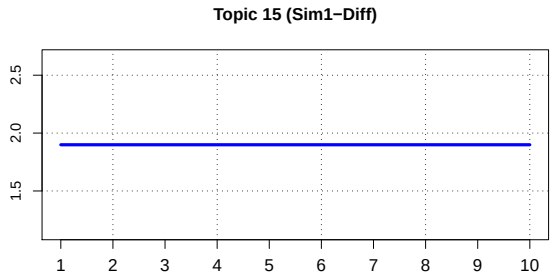
"insert rec", {*scan index kei relat tupl datum info lock procedur strategi heap*}

Best matching topic evolution (Topic distance = 2.581, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.78	3244	nbtpage.c	src.backend.access.nbtree
10	0.43	4356	nbtinsert.c	src.backend.access.nbtree
10	0.35	2387	nbtxlog.c	src.backend.access.nbtree
10	0.17	3305	nbtsearch.c	src.backend.access.nbtree
5	0.78	3244	nbtpage.c	src.backend.access.nbtree
5	0.43	4356	nbtinsert.c	src.backend.access.nbtree
5	0.35	2387	nbtxlog.c	src.backend.access.nbtree
5	0.17	3305	nbtsearch.c	src.backend.access.nbtree
1	0.78	3244	nbtpage.c	src.backend.access.nbtree
1	0.43	4356	nbtinsert.c	src.backend.access.nbtree
1	0.35	2387	nbtxlog.c	src.backend.access.nbtree
1	0.17	3305	nbtsearch.c	src.backend.access.nbtree

"root page", {*page buffer rel opaqu buf root btpo btree parent btpage level*}

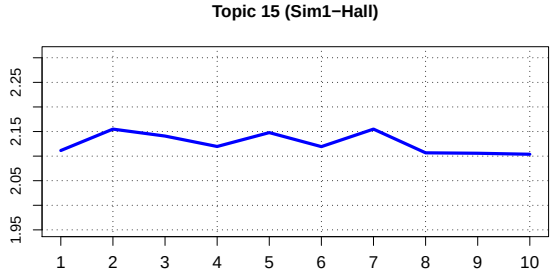
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
15	0.3285	0.0009
13	1.1444	0.0005
10	1.2026	0.0001

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.4321	0.0000
3	2.4752	0.0000
2	1.9982	0.0000

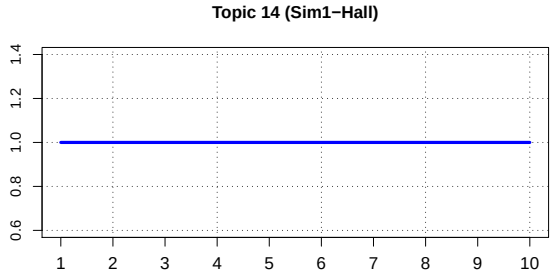
Best matching topic (Topic distance = 0.328, Evolution distance = 0.0009):



V	θ	Size	File	Package
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	0.79	861	hio.c	src.backend.access.heap
7	0.36	4356	nbtinsert.c	src.backend.access.nbtree
7	NA	NA	NA	NA
6	1.00	3244	nbtpage.c	src.backend.access.nbtree
6	0.76	861	hio.c	src.backend.access.heap
6	0.36	4356	nbtinsert.c	src.backend.access.nbtree
6	NA	NA	NA	NA
10	1.00	3244	nbtpage.c	src.backend.access.nbtree
10	0.73	861	hio.c	src.backend.access.heap
10	0.37	4356	nbtinsert.c	src.backend.access.nbtree
10	NA	NA	NA	NA

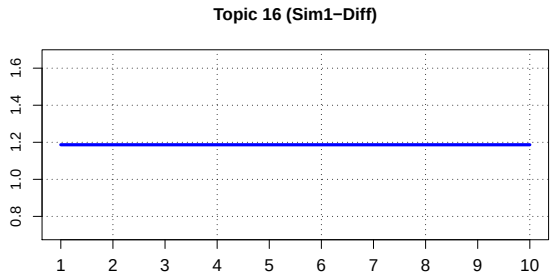
"post tree", {*page buffer rel lock opaqu relat root buf block stack parent*}

Best matching topic evolution (Topic distance = 2.432, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.83	5125	multixact.c	src.backend.access.transam
10	0.13	1126	clog.c	src.backend.access.transam
10	0.11	757	subtrans.c	src.backend.access.transam
10	0.09	122	rmgr.c	src.backend.access.transam
5	0.83	5125	multixact.c	src.backend.access.transam
5	0.13	1126	clog.c	src.backend.access.transam
5	0.11	757	subtrans.c	src.backend.access.transam
5	0.09	122	rmgr.c	src.backend.access.transam
1	0.83	5125	multixact.c	src.backend.access.transam
1	0.13	1126	clog.c	src.backend.access.transam
1	0.11	757	subtrans.c	src.backend.access.transam
1	0.09	122	rmgr.c	src.backend.access.transam

"multi xact", {*multi xact offset member page mxact transact xid oldest debug entri*}

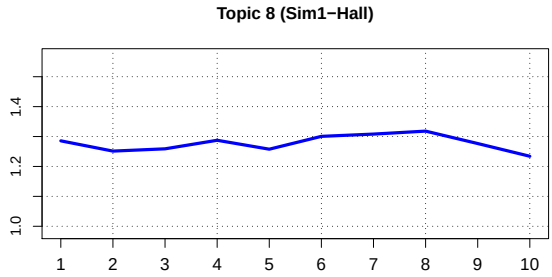
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
8	0.1328	0.0040
18	1.3501	0.0009
2	1.7484	0.0000

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	1.9046	0.0000
3	1.8754	0.0000
2	1.7484	0.0000

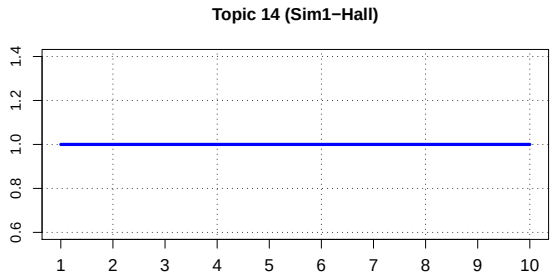
Best matching topic (Topic distance = 0.133, Evolution distance = 0.0040):



V	θ	Size	File	Package
8	1.00	5125	multixact.c	src.backend.access.transam
8	0.13	1126	clog.c	src.backend.access.transam
8	0.11	122	rmgr.c	src.backend.access.transam
8	0.07	757	subtrans.c	src.backend.access.transam
9	1.00	5125	multixact.c	src.backend.access.transam
9	0.11	122	rmgr.c	src.backend.access.transam
9	0.09	1126	clog.c	src.backend.access.transam
9	0.07	757	subtrans.c	src.backend.access.transam
10	1.00	5125	multixact.c	src.backend.access.transam
10	0.08	122	rmgr.c	src.backend.access.transam
10	0.08	1126	clog.c	src.backend.access.transam
10	0.07	757	subtrans.c	src.backend.access.transam

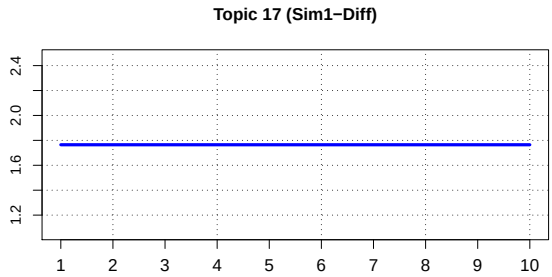
"toast tabl", {*multi xact offset member page mxact transact xid oldest debug lock*}

Best matching topic evolution (Topic distance = 1.905, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.73	4255	twophase.c	src.backend.access.transam
10	0.52	82	twophase_rmgr.c	src.backend.access.transam
10	0.40	1198	xlogutils.c	src.backend.access.transam
10	0.11	122	rmgr.c	src.backend.access.transam
5	0.73	4255	twophase.c	src.backend.access.transam
5	0.52	82	twophase_rmgr.c	src.backend.access.transam
5	0.40	1198	xlogutils.c	src.backend.access.transam
5	0.11	122	rmgr.c	src.backend.access.transam
1	0.73	4255	twophase.c	src.backend.access.transam
1	0.52	82	twophase_rmgr.c	src.backend.access.transam
1	0.40	1198	xlogutils.c	src.backend.access.transam
1	0.11	122	rmgr.c	src.backend.access.transam

"phase state", {*phase file gxact xid transact state prepar record xact crc proc*}

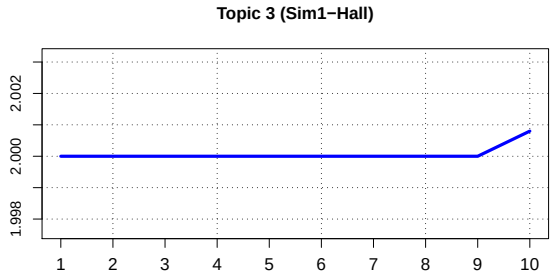
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
3	0.2829	0.0000
2	1.5990	0.0000
1	1.7093	0.0003

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	1.7658	0.0000
3	0.2829	0.0000
2	1.5990	0.0000

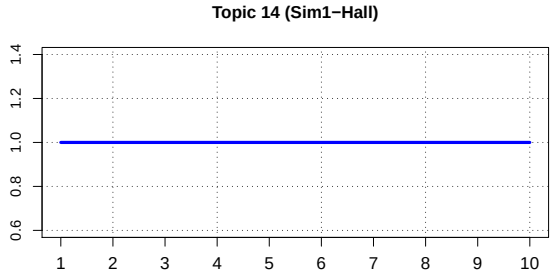
Best matching topic (Topic distance = 0.283, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	4255	twophase.c	src.backend.access.transam
10	1.00	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	4255	twophase.c	src.backend.access.transam
5	1.00	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	4255	twophase.c	src.backend.access.transam
1	1.00	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

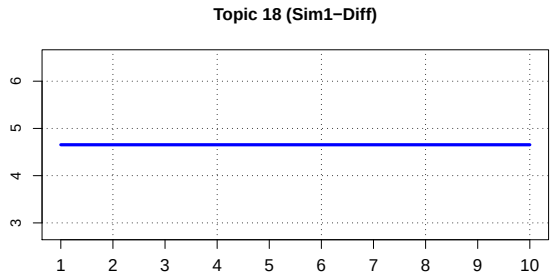
"errhint reindex", {*transact phase file xid gxact state prepar record xact lock crc*}

Best matching topic evolution (Topic distance = 1.766, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.98	527	ginbulk.c	src.backend.access.gin
10	0.74	677	ginscan.c	src.backend.access.gin
10	0.74	1068	ginget.c	src.backend.access.gin
10	0.57	217	hashscan.c	src.backend.access.hash
5	0.98	527	ginbulk.c	src.backend.access.gin
5	0.74	677	ginscan.c	src.backend.access.gin
5	0.74	1068	ginget.c	src.backend.access.gin
5	0.57	217	hashscan.c	src.backend.access.hash
1	0.98	527	ginbulk.c	src.backend.access.gin
1	0.74	677	ginscan.c	src.backend.access.gin
1	0.74	1068	ginget.c	src.backend.access.gin
1	0.57	217	hashscan.c	src.backend.access.hash

"scan list", {*entri scan gin kei item accum ginstat list nentri datum uint*}

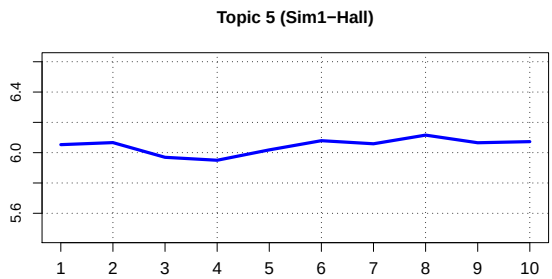
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
5	0.2408	0.0006
12	1.6072	0.0005
20	1.6580	0.0002

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.8233	0.0000
3	2.6777	0.0000
2	2.4487	0.0000

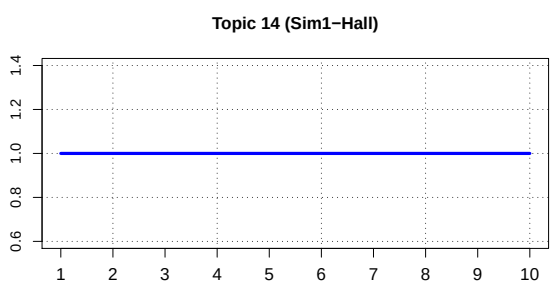
Best matching topic (Topic distance = 0.241, Evolution distance = 0.0006):



V	θ	Size	File	Package
8	1.00	527	ginbulk.c	src.backend.access.gin
8	1.00	677	ginscan.c	src.backend.access.gin
8	1.00	419	hashfunc.c	src.backend.access.hash
8	0.81	217	hashscan.c	src.backend.access.hash
7	1.00	527	ginbulk.c	src.backend.access.gin
7	1.00	677	ginscan.c	src.backend.access.gin
7	1.00	419	hashfunc.c	src.backend.access.hash
7	0.76	1068	ginget.c	src.backend.access.gin
4	1.00	527	ginbulk.c	src.backend.access.gin
4	1.00	419	hashfunc.c	src.backend.access.hash
4	1.00	677	ginscan.c	src.backend.access.gin
4	0.77	217	hashscan.c	src.backend.access.hash

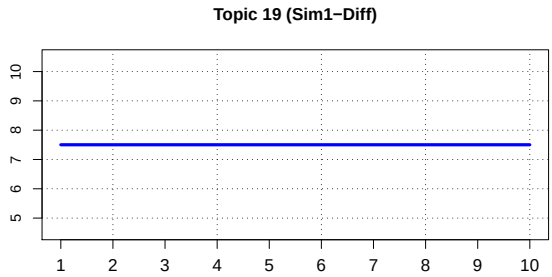
"switch strategi case", {*entri scan kei gin item datum uint accum index buffer nentri*}

Best matching topic evolution (Topic distance = 2.823, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.96	1140	ginbtree.c	src.backend.access.gin
10	0.93	1593	gindatapage.c	src.backend.access.gin
10	0.87	1515	ginentrypage.c	src.backend.access.gin
10	0.85	1737	ginvacuum.c	src.backend.access.gin
5	0.96	1140	ginbtree.c	src.backend.access.gin
5	0.93	1593	gindatapage.c	src.backend.access.gin
5	0.87	1515	ginentrypage.c	src.backend.access.gin
5	0.85	1737	ginvacuum.c	src.backend.access.gin
1	0.96	1140	ginbtree.c	src.backend.access.gin
1	0.93	1593	gindatapage.c	src.backend.access.gin
1	0.87	1515	ginentrypage.c	src.backend.access.gin
1	0.85	1737	ginvacuum.c	src.backend.access.gin

"buffer buffer", {*page buffer gin item index stack blkno btree offset block ptr*}

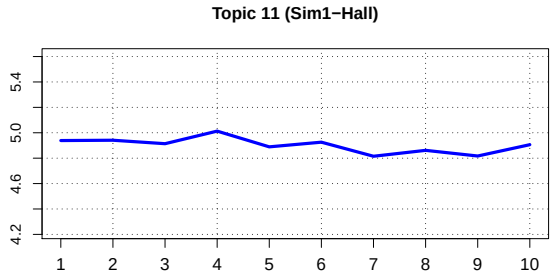
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
11	0.2763	0.0014
17	0.3075	0.0010
10	1.1331	0.0001

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.3635	0.0000
3	2.2924	0.0000
2	1.9226	0.0000

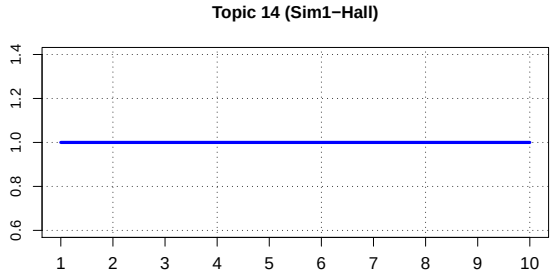
Best matching topic (Topic distance = 0.276, Evolution distance = 0.0014):



V	θ	Size	File	Package
4	1.00	2761	gist.c	src.backend.access.gist
4	1.00	1962	gistvacuum.c	src.backend.access.gist
4	0.68	1737	ginvacuum.c	src.backend.access.gin
4	0.54	1140	ginbtree.c	src.backend.access.gin
10	1.00	2761	gist.c	src.backend.access.gist
10	1.00	1962	gistvacuum.c	src.backend.access.gist
10	0.67	1737	ginvacuum.c	src.backend.access.gin
10	0.49	1140	ginbtree.c	src.backend.access.gin
7	1.00	2761	gist.c	src.backend.access.gist
7	1.00	1962	gistvacuum.c	src.backend.access.gist
7	0.64	1737	ginvacuum.c	src.backend.access.gin
7	0.51	1140	ginbtree.c	src.backend.access.gin

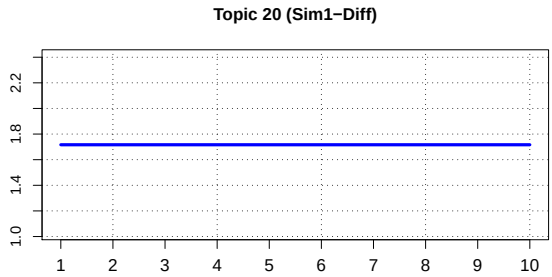
"attno attribut", {*page buffer index stack gist ptr state tupl blkno parent lock*}

Best matching topic evolution (Topic distance = 2.364, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}



V	θ	Size	File	Package
10	0.82	2743	slru.c	src.backend.access.transam
10	0.50	1126	clog.c	src.backend.access.transam
10	0.32	757	subtrans.c	src.backend.access.transam
10	0.04	1198	xlogutils.c	src.backend.access.transam
5	0.82	2743	slru.c	src.backend.access.transam
5	0.50	1126	clog.c	src.backend.access.transam
5	0.32	757	subtrans.c	src.backend.access.transam
5	0.04	1198	xlogutils.c	src.backend.access.transam
1	0.82	2743	slru.c	src.backend.access.transam
1	0.50	1126	clog.c	src.backend.access.transam
1	0.32	757	subtrans.c	src.backend.access.transam
1	0.04	1198	xlogutils.c	src.backend.access.transam

"simpl lru", {*page slru share slotno ctl clog lru pageno statu write simpl*}

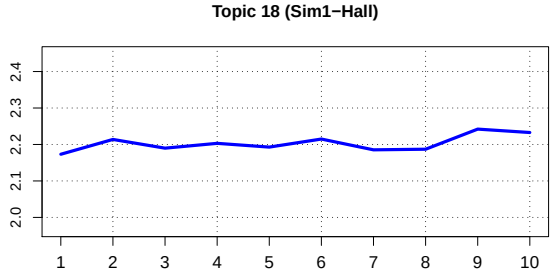
Top 3 matching topics in Sim1-Hall:

Topic	Dist.	EvoDist.
18	0.1886	0.0009
2	1.8538	0.0000
15	2.0058	0.0009

Top 3 matching topic evolutions in Sim1-Hall:

Topic	Dist.	EvoDist.
14	2.3066	0.0000
3	2.0880	0.0000
2	1.8538	0.0000

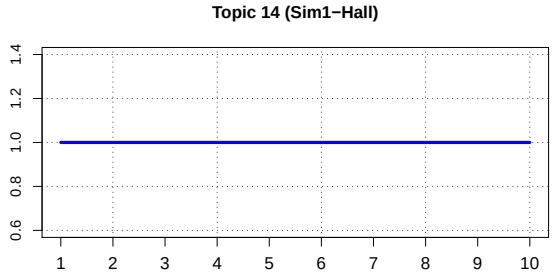
Best matching topic (Topic distance = 0.189, Evolution distance = 0.0009):



V	θ	Size	File	Package
9	1.00	2743	slru.c	src.backend.access.transam
9	0.78	1126	clog.c	src.backend.access.transam
9	0.47	757	subtrans.c	src.backend.access.transam
9	NA	NA	NA	NA
5	1.00	2743	slru.c	src.backend.access.transam
5	0.73	1126	clog.c	src.backend.access.transam
5	0.47	757	subtrans.c	src.backend.access.transam
5	NA	NA	NA	NA
1	1.00	2743	slru.c	src.backend.access.transam
1	0.75	1126	clog.c	src.backend.access.transam
1	0.42	757	subtrans.c	src.backend.access.transam
1	NA	NA	NA	NA

"scan opaqu", {*page slru share slotno ctl clog pageno lru lock write statu*}

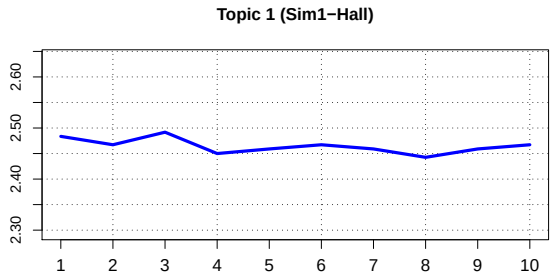
Best matching topic evolution (Topic distance = 2.307, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}

3.2 Hall



V	θ	Size	File	Package
3	1.00	1335	tupdesc.c	src.backend.access.common
3	1.00	1198	xlogutils.c	src.backend.access.transam
3	0.49	122	rmgr.c	src.backend.access.transam
3	NA	NA	NA	NA
9	1.00	1335	tupdesc.c	src.backend.access.common
9	1.00	1198	xlogutils.c	src.backend.access.transam
9	0.46	122	rmgr.c	src.backend.access.transam
9	NA	NA	NA	NA
8	1.00	1335	tupdesc.c	src.backend.access.common
8	1.00	1198	xlogutils.c	src.backend.access.transam
8	0.44	122	rmgr.c	src.backend.access.transam
8	NA	NA	NA	NA

"heap desc", {*desc tupl page constr attr node xlog rel tupdesc check hash*}

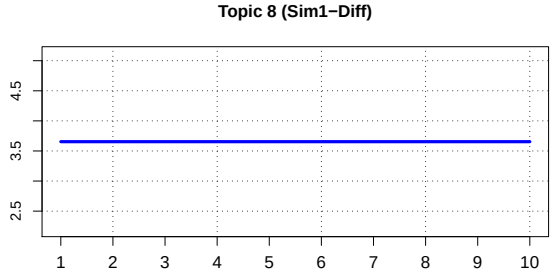
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
8	1.2114	0.0003
10	1.4691	0.0003
4	1.7218	0.0003

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
8	1.2114	0.0003
10	1.4691	0.0003
4	1.7218	0.0003

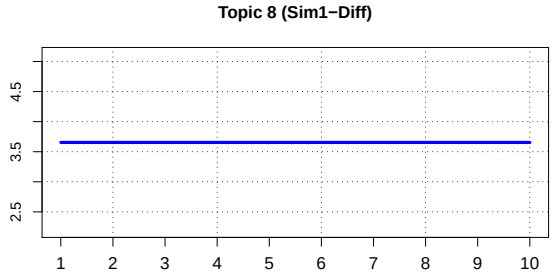
Best matching topic (Topic distance = 1.211, Evolution distance = 0.0003):



V	θ	Size	File	Package
10	0.94	1224	printtup.c	src.backend.access.common
10	0.90	3533	heaptuple.c	src.backend.access.common
10	0.85	1335	tupdesc.c	src.backend.access.common
10	0.66	640	indextuple.c	src.backend.access.common
5	0.94	1224	printtup.c	src.backend.access.common
5	0.90	3533	heaptuple.c	src.backend.access.common
5	0.85	1335	tupdesc.c	src.backend.access.common
5	0.66	640	indextuple.c	src.backend.access.common
1	0.94	1224	printtup.c	src.backend.access.common
1	0.90	3533	heaptuple.c	src.backend.access.common
1	0.85	1335	tupdesc.c	src.backend.access.common
1	0.66	640	indextuple.c	src.backend.access.common

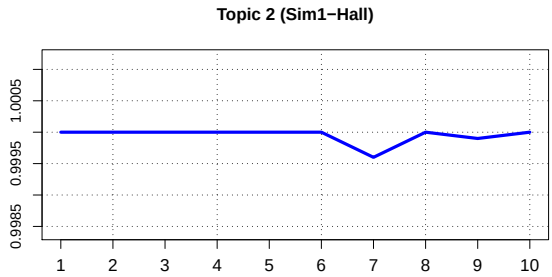
"tupl desc", {*tupl desc attribut heap att attnum attr natt slot valu isnul*}

Best matching topic evolution (Topic distance = 1.211, Evolution distance = 0.0003):



V	θ	Size	File	Package
10	0.94	1224	printtup.c	src.backend.access.common
10	0.90	3533	heaptuple.c	src.backend.access.common
10	0.85	1335	tupdesc.c	src.backend.access.common
10	0.66	640	indextuple.c	src.backend.access.common
5	0.94	1224	printtup.c	src.backend.access.common
5	0.90	3533	heaptuple.c	src.backend.access.common
5	0.85	1335	tupdesc.c	src.backend.access.common
5	0.66	640	indextuple.c	src.backend.access.common
1	0.94	1224	printtup.c	src.backend.access.common
1	0.90	3533	heaptuple.c	src.backend.access.common
1	0.85	1335	tupdesc.c	src.backend.access.common
1	0.66	640	indextuple.c	src.backend.access.common

"tupl desc", {*tupl desc attribut heap att attnum attr natt slot valu isnul*}



V	θ	Size	File	Package
10	1.00	18415	xlog.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	18415	xlog.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA
7	1.00	18415	xlog.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"rdata len insert", {*file xlog record log write ptr control rec page read check*}

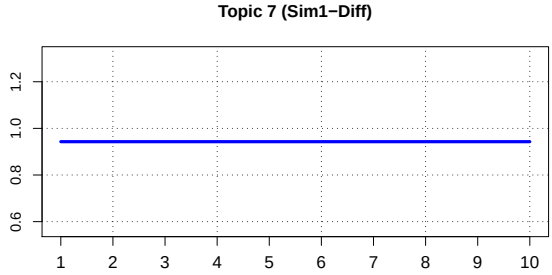
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
7	0.0655	0.0000
10	0.9697	0.0000
6	1.5793	0.0000

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
10	0.9697	0.0000
6	1.5793	0.0000
9	1.8612	0.0000

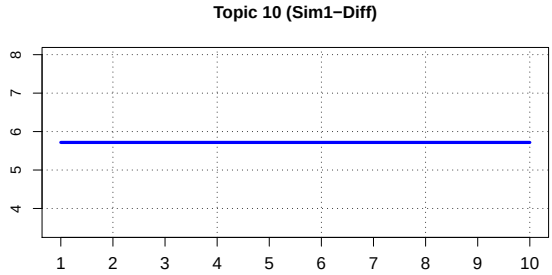
Best matching topic (Topic distance = 0.065, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.81	18415	xlog.c	src.backend.access.transam
10	0.07	1126	clog.c	src.backend.access.transam
10	0.03	1751	nbtsort.c	src.backend.access.nbtree
10	NA	NA	NA	NA
5	0.81	18415	xlog.c	src.backend.access.transam
5	0.07	1126	clog.c	src.backend.access.transam
5	0.03	1751	nbtsort.c	src.backend.access.nbtree
5	NA	NA	NA	NA
1	0.81	18415	xlog.c	src.backend.access.transam
1	0.07	1126	clog.c	src.backend.access.transam
1	0.03	1751	nbtsort.c	src.backend.access.nbtree
1	NA	NA	NA	NA

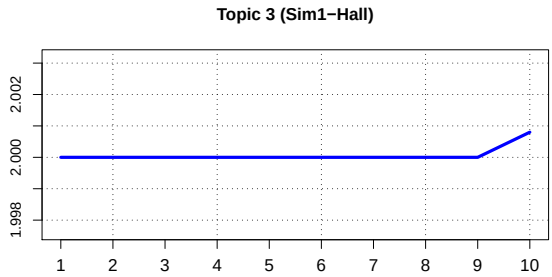
"control file", {*xlog file record log write ptr rec control page seg recoveri*}

Best matching topic evolution (Topic distance = 0.970, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.43	861	hio.c	src.backend.access.heap
10	0.27	1105	varsup.c	src.backend.access.transam
10	0.25	2070	hashpage.c	src.backend.access.hash
10	0.24	544	genam.c	src.backend.access.index
5	0.43	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.25	2070	hashpage.c	src.backend.access.hash
5	0.24	544	genam.c	src.backend.access.index
1	0.43	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.25	2070	hashpage.c	src.backend.access.hash
1	0.24	544	genam.c	src.backend.access.index

"crit section", {*lock size check releas error read note start assert max initi*}



V	θ	Size	File	Package
10	1.00	4255	twophase.c	src.backend.access.transam
10	1.00	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	4255	twophase.c	src.backend.access.transam
5	1.00	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	4255	twophase.c	src.backend.access.transam
1	1.00	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"errhint reindex", {*transact phase file xid gxact state prepar record xact lock crc*}

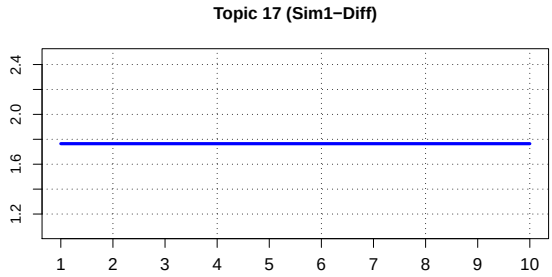
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
17	0.2539	0.0000
10	1.0642	0.0000
9	1.2888	0.0000

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
17	0.2539	0.0000
7	1.3940	0.0000
4	1.9537	0.0000

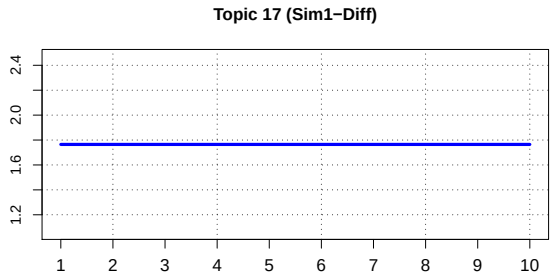
Best matching topic (Topic distance = 0.254, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.73	4255	twophase.c	src.backend.access.transam
10	0.52	82	twophase_rmgr.c	src.backend.access.transam
10	0.40	1198	xlogutils.c	src.backend.access.transam
10	0.11	122	rmgr.c	src.backend.access.transam
5	0.73	4255	twophase.c	src.backend.access.transam
5	0.52	82	twophase_rmgr.c	src.backend.access.transam
5	0.40	1198	xlogutils.c	src.backend.access.transam
5	0.11	122	rmgr.c	src.backend.access.transam
1	0.73	4255	twophase.c	src.backend.access.transam
1	0.52	82	twophase_rmgr.c	src.backend.access.transam
1	0.40	1198	xlogutils.c	src.backend.access.transam
1	0.11	122	rmgr.c	src.backend.access.transam

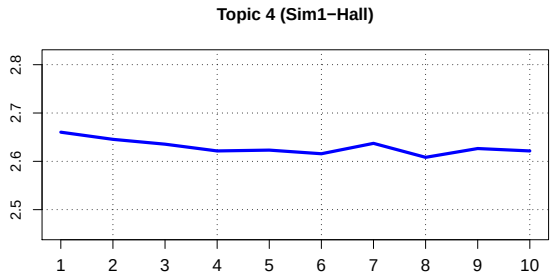
"phase state", {*phase file gxact xid transact state prepar record xact crc proc*}

Best matching topic evolution (Topic distance = 0.254, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.73	4255	twophase.c	src.backend.access.transam
10	0.52	82	twophase_rmgr.c	src.backend.access.transam
10	0.40	1198	xlogutils.c	src.backend.access.transam
10	0.11	122	rmgr.c	src.backend.access.transam
5	0.73	4255	twophase.c	src.backend.access.transam
5	0.52	82	twophase_rmgr.c	src.backend.access.transam
5	0.40	1198	xlogutils.c	src.backend.access.transam
5	0.11	122	rmgr.c	src.backend.access.transam
1	0.73	4255	twophase.c	src.backend.access.transam
1	0.52	82	twophase_rmgr.c	src.backend.access.transam
1	0.40	1198	xlogutils.c	src.backend.access.transam
1	0.11	122	rmgr.c	src.backend.access.transam

"phase state", {*phase file gxact xid transact state prepar record xact crc proc*}



V	θ	Size	File	Package
1	1.00	1224	printtup.c	src.backend.access.common
1	1.00	1363	gistsplit.c	src.backend.access.gist
1	0.66	1210	gistutil.c	src.backend.access.gist
1	NA	NA	NA	NA
5	1.00	1363	gistsplit.c	src.backend.access.gist
5	1.00	1224	printtup.c	src.backend.access.common
5	0.62	1210	gistutil.c	src.backend.access.gist
5	NA	NA	NA	NA
8	1.00	1224	printtup.c	src.backend.access.common
8	1.00	1363	gistsplit.c	src.backend.access.gist
8	0.61	1210	gistutil.c	src.backend.access.gist
8	NA	NA	NA	NA

"scan list", {*spl tupl split giststat attno vector datum len attr offset entri*}

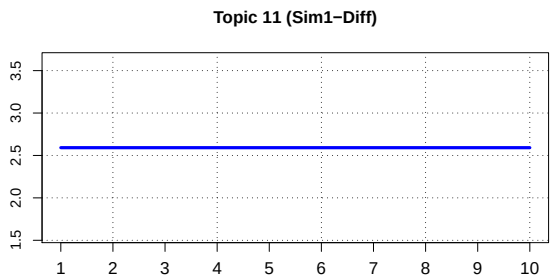
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
11	0.8261	0.0003
8	1.1880	0.0003
2	1.8433	0.0003

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
11	0.8261	0.0003
8	1.1880	0.0003
2	1.8433	0.0003

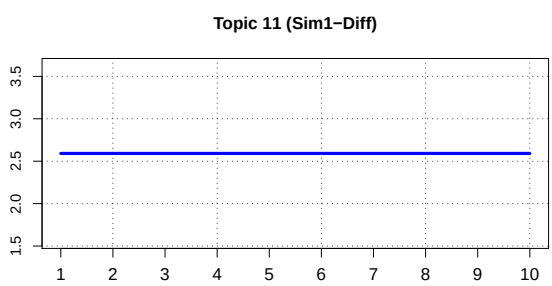
Best matching topic (Topic distance = 0.826, Evolution distance = 0.0003):



V	θ	Size	File	Package
10	0.98	1363	gistsplit.c	src.backend.access.gist
10	0.96	1721	gistproc.c	src.backend.access.gist
10	0.52	1210	gistutil.c	src.backend.access.gist
10	0.08	2761	gist.c	src.backend.access.gist
5	0.98	1363	gistsplit.c	src.backend.access.gist
5	0.96	1721	gistproc.c	src.backend.access.gist
5	0.52	1210	gistutil.c	src.backend.access.gist
5	0.08	2761	gist.c	src.backend.access.gist
1	0.98	1363	gistsplit.c	src.backend.access.gist
1	0.96	1721	gistproc.c	src.backend.access.gist
1	0.52	1210	gistutil.c	src.backend.access.gist
1	0.08	2761	gist.c	src.backend.access.gist

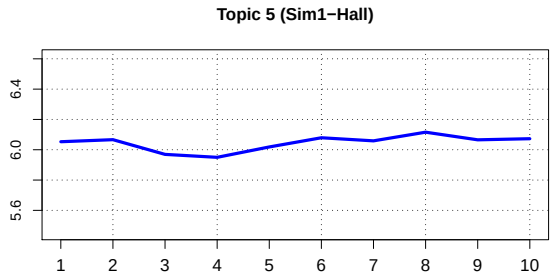
"spl nleft", {*spl box datum giststat gist split kei entri vector offset tupl*}

Best matching topic evolution (Topic distance = 0.826, Evolution distance = 0.0003):



V	θ	Size	File	Package
10	0.98	1363	gistsplit.c	src.backend.access.gist
10	0.96	1721	gistproc.c	src.backend.access.gist
10	0.52	1210	gistutil.c	src.backend.access.gist
10	0.08	2761	gist.c	src.backend.access.gist
5	0.98	1363	gistsplit.c	src.backend.access.gist
5	0.96	1721	gistproc.c	src.backend.access.gist
5	0.52	1210	gistutil.c	src.backend.access.gist
5	0.08	2761	gist.c	src.backend.access.gist
1	0.98	1363	gistsplit.c	src.backend.access.gist
1	0.96	1721	gistproc.c	src.backend.access.gist
1	0.52	1210	gistutil.c	src.backend.access.gist
1	0.08	2761	gist.c	src.backend.access.gist

"spl nleft", {*spl box datum giststat gist split kei entri vector offset tupl*}



V	θ	Size	File	Package
8	1.00	527	ginbulk.c	src.backend.access.gin
8	1.00	677	ginscan.c	src.backend.access.gin
8	1.00	419	hashfunc.c	src.backend.access.hash
8	0.81	217	hashscan.c	src.backend.access.hash
7	1.00	527	ginbulk.c	src.backend.access.gin
7	1.00	677	ginscan.c	src.backend.access.gin
7	1.00	419	hashfunc.c	src.backend.access.hash
7	0.76	1068	ginget.c	src.backend.access.gin
4	1.00	527	ginbulk.c	src.backend.access.gin
4	1.00	419	hashfunc.c	src.backend.access.hash
4	1.00	677	ginscan.c	src.backend.access.gin
4	0.77	217	hashscan.c	src.backend.access.hash

"switch strategi case", {*entri scan kei gin item datum uint accum index buffer nentri*}

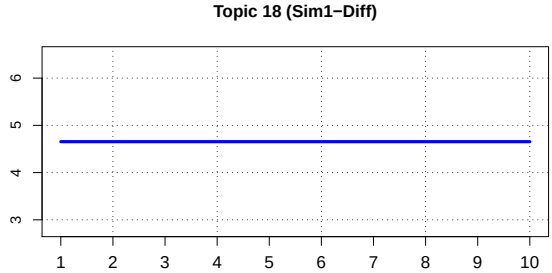
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
18	0.1724	0.0006
14	1.3315	0.0006
13	1.4150	0.0006

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
13	1.4150	0.0006
10	1.6633	0.0006
19	2.1851	0.0006

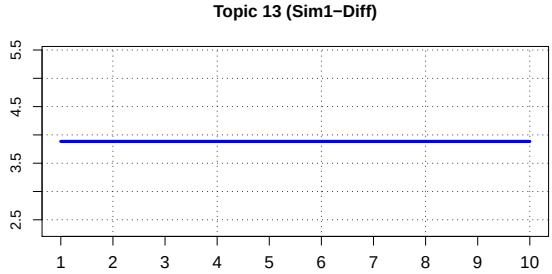
Best matching topic (Topic distance = 0.172, Evolution distance = 0.0006):



V	θ	Size	File	Package
10	0.98	527	ginbulk.c	src.backend.access.gin
10	0.74	677	ginscan.c	src.backend.access.gin
10	0.74	1068	ginget.c	src.backend.access.gin
10	0.57	217	hashscan.c	src.backend.access.hash
5	0.98	527	ginbulk.c	src.backend.access.gin
5	0.74	677	ginscan.c	src.backend.access.gin
5	0.74	1068	ginget.c	src.backend.access.gin
5	0.57	217	hashscan.c	src.backend.access.hash
1	0.98	527	ginbulk.c	src.backend.access.gin
1	0.74	677	ginscan.c	src.backend.access.gin
1	0.74	1068	ginget.c	src.backend.access.gin
1	0.57	217	hashscan.c	src.backend.access.hash

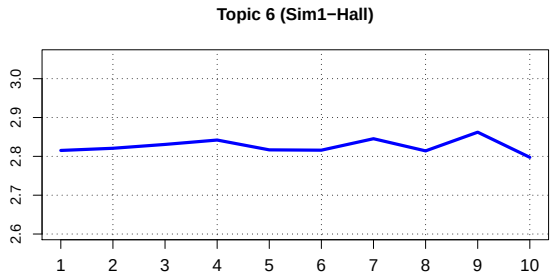
"scan list", {*entri scan gin kei item accum ginstat list nentri datum uint*}

Best matching topic evolution (Topic distance = 1.415, Evolution distance = 0.0006):



V	θ	Size	File	Package
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.89	419	hashfunc.c	src.backend.access.hash
10	0.85	619	reloptions.c	src.backend.access.common
10	0.65	150	ginarrayproc.c	src.backend.access.gin
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.89	419	hashfunc.c	src.backend.access.hash
5	0.85	619	reloptions.c	src.backend.access.common
5	0.65	150	ginarrayproc.c	src.backend.access.gin
1	1.00	166	nbtcompare.c	src.backend.access.nbtree
1	0.89	419	hashfunc.c	src.backend.access.hash
1	0.85	619	reloptions.c	src.backend.access.common
1	0.65	150	ginarrayproc.c	src.backend.access.gin

"corrupt errmsg", {*datum getarg uint function arg arrai result fillfactor kei option len*}



V	θ	Size	File	Package
9	1.00	1721	gistproc.c	src.backend.access.gist
9	1.00	166	nbtcompare.c	src.backend.access.nbtree
9	0.77	150	ginarrayproc.c	src.backend.access.gin
9	0.09	619	reloptions.c	src.backend.access.common
5	1.00	1721	gistproc.c	src.backend.access.gist
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.74	150	ginarrayproc.c	src.backend.access.gin
5	0.08	619	reloptions.c	src.backend.access.common
10	1.00	1721	gistproc.c	src.backend.access.gist
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.72	150	ginarrayproc.c	src.backend.access.gin
10	0.08	619	reloptions.c	src.backend.access.common

"bucket bucket", {*box datum function strategi getarg high low spl kei queri entri*}

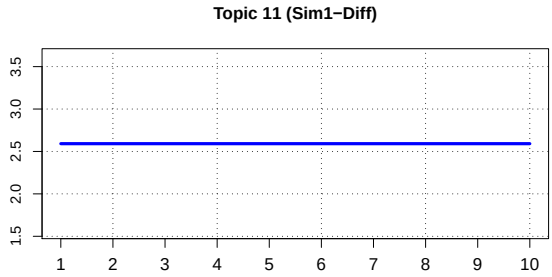
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
11	0.8487	0.0004
13	1.6113	0.0004
3	2.2199	0.0004

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
11	0.8487	0.0004
3	2.2199	0.0004
18	2.2657	0.0004

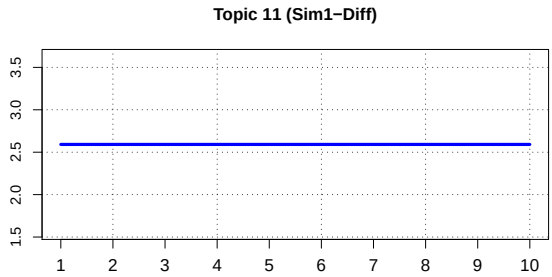
Best matching topic (Topic distance = 0.849, Evolution distance = 0.0004):



V	θ	Size	File	Package
10	0.98	1363	gistsplit.c	src.backend.access.gist
10	0.96	1721	gistproc.c	src.backend.access.gist
10	0.52	1210	gistutil.c	src.backend.access.gist
10	0.08	2761	gist.c	src.backend.access.gist
5	0.98	1363	gistsplit.c	src.backend.access.gist
5	0.96	1721	gistproc.c	src.backend.access.gist
5	0.52	1210	gistutil.c	src.backend.access.gist
5	0.08	2761	gist.c	src.backend.access.gist
1	0.98	1363	gistsplit.c	src.backend.access.gist
1	0.96	1721	gistproc.c	src.backend.access.gist
1	0.52	1210	gistutil.c	src.backend.access.gist
1	0.08	2761	gist.c	src.backend.access.gist

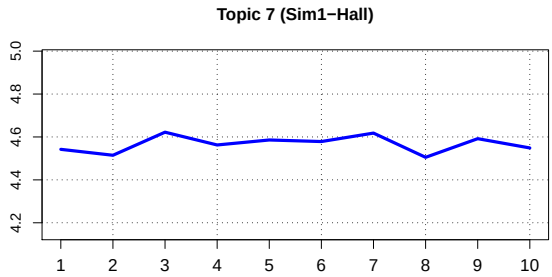
"spl nleft", {*spl box datum giststat gist split kei entri vector offset tupl*}

Best matching topic evolution (Topic distance = 0.849, Evolution distance = 0.0004):



V	θ	Size	File	Package
10	0.98	1363	gistsplit.c	src.backend.access.gist
10	0.96	1721	gistproc.c	src.backend.access.gist
10	0.52	1210	gistutil.c	src.backend.access.gist
10	0.08	2761	gist.c	src.backend.access.gist
5	0.98	1363	gistsplit.c	src.backend.access.gist
5	0.96	1721	gistproc.c	src.backend.access.gist
5	0.52	1210	gistutil.c	src.backend.access.gist
5	0.08	2761	gist.c	src.backend.access.gist
1	0.98	1363	gistsplit.c	src.backend.access.gist
1	0.96	1721	gistproc.c	src.backend.access.gist
1	0.52	1210	gistutil.c	src.backend.access.gist
1	0.08	2761	gist.c	src.backend.access.gist

"spl nleft", {*spl box datum giststat gist split kei entri vector offset tupl*}



V	θ	Size	File	Package
3	1.00	560	hashinsert.c	src.backend.access.hash
3	1.00	1981	hashovfl.c	src.backend.access.hash
3	1.00	2070	hashpage.c	src.backend.access.hash
3	0.61	354	hashutil.c	src.backend.access.hash
4	1.00	560	hashinsert.c	src.backend.access.hash
4	1.00	1981	hashovfl.c	src.backend.access.hash
4	1.00	2070	hashpage.c	src.backend.access.hash
4	0.58	354	hashutil.c	src.backend.access.hash
8	1.00	560	hashinsert.c	src.backend.access.hash
8	1.00	1981	hashovfl.c	src.backend.access.hash
8	1.00	2070	hashpage.c	src.backend.access.hash
8	0.57	354	hashutil.c	src.backend.access.hash

"oldest xact", {*hash page bucket rel buffer metap lock block hashm write buf*}

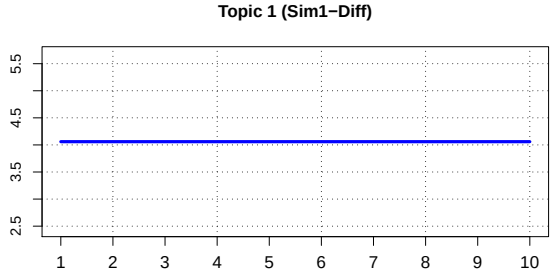
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
1	0.1193	0.0007
10	1.1152	0.0007
15	1.4209	0.0007

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
1	0.1193	0.0007
10	1.1152	0.0007
15	1.4209	0.0007

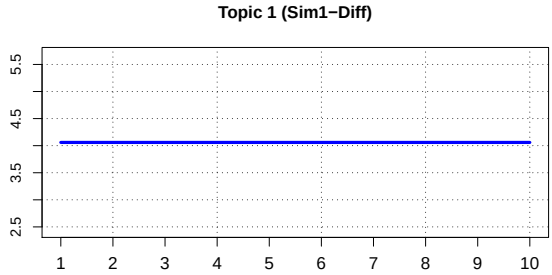
Best matching topic (Topic distance = 0.119, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.86	1981	hashovfl.c	src.backend.access.hash
10	0.73	2070	hashpage.c	src.backend.access.hash
10	0.72	560	hashinsert.c	src.backend.access.hash
10	0.52	859	hashsearch.c	src.backend.access.hash
5	0.86	1981	hashovfl.c	src.backend.access.hash
5	0.73	2070	hashpage.c	src.backend.access.hash
5	0.72	560	hashinsert.c	src.backend.access.hash
5	0.52	859	hashsearch.c	src.backend.access.hash
1	0.86	1981	hashovfl.c	src.backend.access.hash
1	0.73	2070	hashpage.c	src.backend.access.hash
1	0.72	560	hashinsert.c	src.backend.access.hash
1	0.52	859	hashsearch.c	src.backend.access.hash

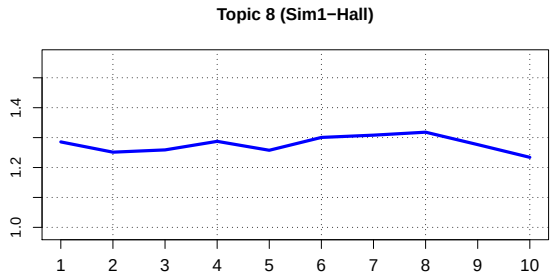
"page page", {*hash page bucket rel buffer metap block hashm relat buf write*}

Best matching topic evolution (Topic distance = 0.119, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.86	1981	hashovfl.c	src.backend.access.hash
10	0.73	2070	hashpage.c	src.backend.access.hash
10	0.72	560	hashinsert.c	src.backend.access.hash
10	0.52	859	hashsearch.c	src.backend.access.hash
5	0.86	1981	hashovfl.c	src.backend.access.hash
5	0.73	2070	hashpage.c	src.backend.access.hash
5	0.72	560	hashinsert.c	src.backend.access.hash
5	0.52	859	hashsearch.c	src.backend.access.hash
1	0.86	1981	hashovfl.c	src.backend.access.hash
1	0.73	2070	hashpage.c	src.backend.access.hash
1	0.72	560	hashinsert.c	src.backend.access.hash
1	0.52	859	hashsearch.c	src.backend.access.hash

"page page", {*hash page bucket rel buffer metap block hashm relat buf write*}



V	θ	Size	File	Package
8	1.00	5125	`multixact.c`	`src.backend.access.transam`
8	0.13	1126	`clog.c`	`src.backend.access.transam`
8	0.11	122	`rmgr.c`	`src.backend.access.transam`
8	0.07	757	`subtrans.c`	`src.backend.access.transam`
9	1.00	5125	`multixact.c`	`src.backend.access.transam`
9	0.11	122	`rmgr.c`	`src.backend.access.transam`
9	0.09	1126	`clog.c`	`src.backend.access.transam`
9	0.07	757	`subtrans.c`	`src.backend.access.transam`
10	1.00	5125	`multixact.c`	`src.backend.access.transam`
10	0.08	122	`rmgr.c`	`src.backend.access.transam`
10	0.08	1126	`clog.c`	`src.backend.access.transam`
10	0.07	757	`subtrans.c`	`src.backend.access.transam`

"toast tabl", {*multi xact offset member page mxact transact xid oldest debug lock*}

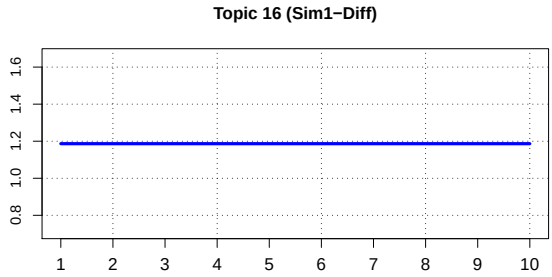
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
16	0.0665	0.0040
10	1.2147	0.0040
20	1.3953	0.0040

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
7	1.6900	0.0040
4	2.0449	0.0040
17	2.0527	0.0040

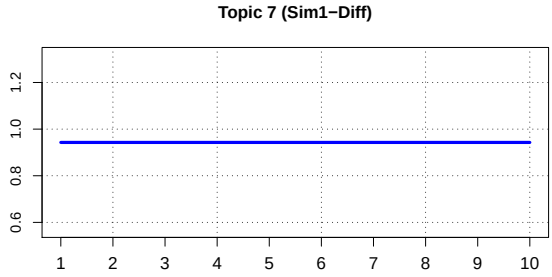
Best matching topic (Topic distance = 0.067, Evolution distance = 0.0040):



V	θ	Size	File	Package
10	0.83	5125	`multixact.c`	`src.backend.access.transam`
10	0.13	1126	`clog.c`	`src.backend.access.transam`
10	0.11	757	`subtrans.c`	`src.backend.access.transam`
10	0.09	122	`rmgr.c`	`src.backend.access.transam`
5	0.83	5125	`multixact.c`	`src.backend.access.transam`
5	0.13	1126	`clog.c`	`src.backend.access.transam`
5	0.11	757	`subtrans.c`	`src.backend.access.transam`
5	0.09	122	`rmgr.c`	`src.backend.access.transam`
1	0.83	5125	`multixact.c`	`src.backend.access.transam`
1	0.13	1126	`clog.c`	`src.backend.access.transam`
1	0.11	757	`subtrans.c`	`src.backend.access.transam`
1	0.09	122	`rmgr.c`	`src.backend.access.transam`

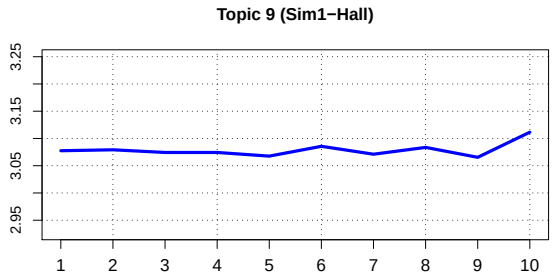
"multi xact", {*multi xact offset member page mxact transact xid oldest debug entri*}

Best matching topic evolution (Topic distance = 1.690, Evolution distance = 0.0040):



V	θ	Size	File	Package
10	0.81	18415	`xlog.c`	`src.backend.access.transam`
10	0.07	1126	`clog.c`	`src.backend.access.transam`
10	0.03	1751	`nbtsort.c`	`src.backend.access.nbtree`
10	NA	NA	`NA`	`NA`
5	0.81	18415	`xlog.c`	`src.backend.access.transam`
5	0.07	1126	`clog.c`	`src.backend.access.transam`
5	0.03	1751	`nbtsort.c`	`src.backend.access.nbtree`
5	NA	NA	`NA`	`NA`
1	0.81	18415	`xlog.c`	`src.backend.access.transam`
1	0.07	1126	`clog.c`	`src.backend.access.transam`
1	0.03	1751	`nbtsort.c`	`src.backend.access.nbtree`
1	NA	NA	`NA`	`NA`

"control file", {*xlog file record log write ptr rec control page seg recoveri*}



V	θ	Size	File	Package
10	1.00	3533	heaptuple.c	src.backend.access.common
10	1.00	640	indextuple.c	src.backend.access.common
10	1.00	2943	tuptoaster.c	src.backend.access.heap
10	0.11	619	reloptions.c	src.backend.access.common
4	1.00	3533	heaptuple.c	src.backend.access.common
4	1.00	640	indextuple.c	src.backend.access.common
4	1.00	2943	tuptoaster.c	src.backend.access.heap
4	0.07	619	reloptions.c	src.backend.access.common
9	1.00	3533	heaptuple.c	src.backend.access.common
9	1.00	640	indextuple.c	src.backend.access.common
9	1.00	2943	tuptoaster.c	src.backend.access.heap
9	0.06	619	reloptions.c	src.backend.access.common

"xmin snapshot", {*tupl heap toast attribut datum att valu size attnum attr isnul*}

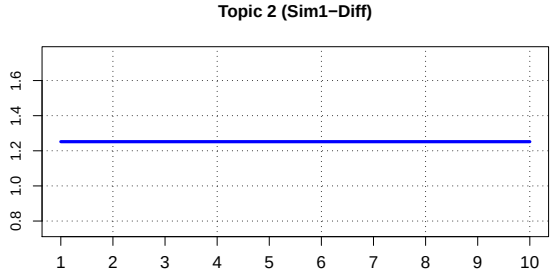
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
2	0.3261	0.0002
8	0.5016	0.0002
10	1.4501	0.0002

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
2	0.3261	0.0002
8	0.5016	0.0002
10	1.4501	0.0002

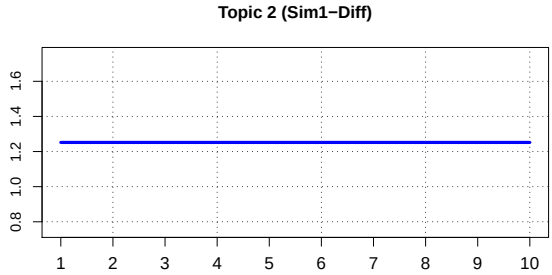
Best matching topic (Topic distance = 0.326, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	0.90	2943	tuptoaster.c	src.backend.access.heap
10	0.22	640	indextuple.c	src.backend.access.common
10	0.05	1210	gistutil.c	src.backend.access.gist
10	0.04	3533	heaptuple.c	src.backend.access.common
5	0.90	2943	tuptoaster.c	src.backend.access.heap
5	0.22	640	indextuple.c	src.backend.access.common
5	0.05	1210	gistutil.c	src.backend.access.gist
5	0.04	3533	heaptuple.c	src.backend.access.common
1	0.90	2943	tuptoaster.c	src.backend.access.heap
1	0.22	640	indextuple.c	src.backend.access.common
1	0.05	1210	gistutil.c	src.backend.access.gist
1	0.04	3533	heaptuple.c	src.backend.access.common

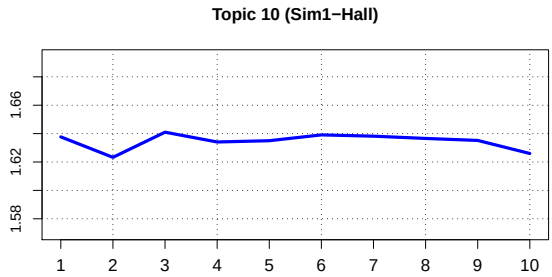
"max kei", {*toast size tupl datum attr heap result valu varatt extern chunk*}

Best matching topic evolution (Topic distance = 0.326, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	0.90	2943	tuptoaster.c	src.backend.access.heap
10	0.22	640	indextuple.c	src.backend.access.common
10	0.05	1210	gistutil.c	src.backend.access.gist
10	0.04	3533	heaptuple.c	src.backend.access.common
5	0.90	2943	tuptoaster.c	src.backend.access.heap
5	0.22	640	indextuple.c	src.backend.access.common
5	0.05	1210	gistutil.c	src.backend.access.gist
5	0.04	3533	heaptuple.c	src.backend.access.common
1	0.90	2943	tuptoaster.c	src.backend.access.heap
1	0.22	640	indextuple.c	src.backend.access.common
1	0.05	1210	gistutil.c	src.backend.access.gist
1	0.04	3533	heaptuple.c	src.backend.access.common

"max kei", {*toast size tupl datum attr heap result valu varatt extern chunk*}



V	θ	Size	File	Package
3	1.00	1751	nbtsort.c	src.backend.access.nbtree
3	0.64	4356	nbtinsert.c	src.backend.access.nbtree
3	NA	NA	NA	NA
3	NA	NA	NA	NA
9	1.00	1751	nbtsort.c	src.backend.access.nbtree
9	0.64	4356	nbtinsert.c	src.backend.access.nbtree
9	NA	NA	NA	NA
9	NA	NA	NA	NA
2	1.00	1751	nbtsort.c	src.backend.access.nbtree
2	0.62	4356	nbtinsert.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"buffer buffer", {*page item index state itup tupl split offset kei btp wstate*}

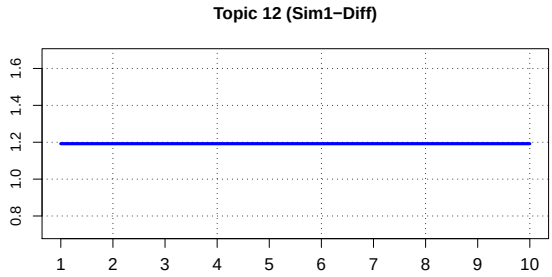
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
12	0.1687	0.0001
19	1.1313	0.0001
15	1.1607	0.0001

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
12	0.1687	0.0001
19	1.1313	0.0001
15	1.1607	0.0001

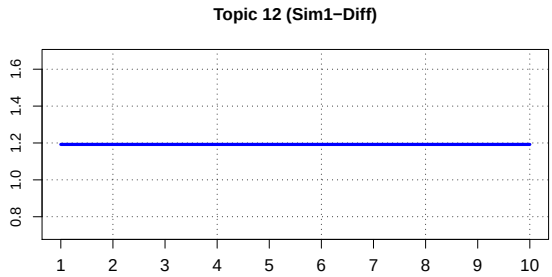
Best matching topic (Topic distance = 0.169, Evolution distance = 0.0001):



V	θ	Size	File	Package
10	0.72	1751	nbtsort.c	src.backend.access.nbtree
10	0.36	4356	nbtinsert.c	src.backend.access.nbtree
10	0.08	560	hashinsert.c	src.backend.access.hash
10	0.02	2308	nbtree.c	src.backend.access.nbtree
5	0.72	1751	nbtsort.c	src.backend.access.nbtree
5	0.36	4356	nbtinsert.c	src.backend.access.nbtree
5	0.08	560	hashinsert.c	src.backend.access.hash
5	0.02	2308	nbtree.c	src.backend.access.nbtree
1	0.72	1751	nbtsort.c	src.backend.access.nbtree
1	0.36	4356	nbtinsert.c	src.backend.access.nbtree
1	0.08	560	hashinsert.c	src.backend.access.hash
1	0.02	2308	nbtree.c	src.backend.access.nbtree

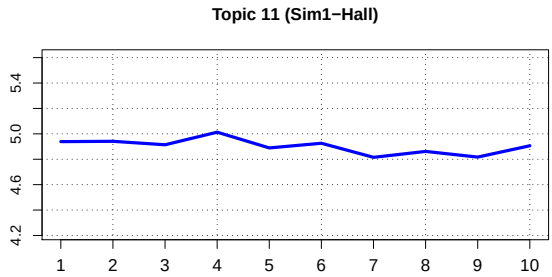
"index tupl", {*page item index state itup tupl offset kei btp wstate btspool*}

Best matching topic evolution (Topic distance = 0.169, Evolution distance = 0.0001):



V	θ	Size	File	Package
10	0.72	1751	nbtsort.c	src.backend.access.nbtree
10	0.36	4356	nbtinsert.c	src.backend.access.nbtree
10	0.08	560	hashinsert.c	src.backend.access.hash
10	0.02	2308	nbtree.c	src.backend.access.nbtree
5	0.72	1751	nbtsort.c	src.backend.access.nbtree
5	0.36	4356	nbtinsert.c	src.backend.access.nbtree
5	0.08	560	hashinsert.c	src.backend.access.hash
5	0.02	2308	nbtree.c	src.backend.access.nbtree
1	0.72	1751	nbtsort.c	src.backend.access.nbtree
1	0.36	4356	nbtinsert.c	src.backend.access.nbtree
1	0.08	560	hashinsert.c	src.backend.access.hash
1	0.02	2308	nbtree.c	src.backend.access.nbtree

"index tupl", {*page item index state itup tupl offset kei btp wstate btspool*}



V	θ	Size	File	Package
4	1.00	2761	gist.c	src.backend.access.gist
4	1.00	1962	gistvacuum.c	src.backend.access.gist
4	0.68	1737	ginvacuum.c	src.backend.access.gin
4	0.54	1140	ginbtree.c	src.backend.access.gin
10	1.00	2761	gist.c	src.backend.access.gist
10	1.00	1962	gistvacuum.c	src.backend.access.gist
10	0.67	1737	ginvacuum.c	src.backend.access.gin
10	0.49	1140	ginbtree.c	src.backend.access.gin
7	1.00	2761	gist.c	src.backend.access.gist
7	1.00	1962	gistvacuum.c	src.backend.access.gist
7	0.64	1737	ginvacuum.c	src.backend.access.gin
7	0.51	1140	ginbtree.c	src.backend.access.gin

"attno attribut", {*page buffer index stack gist ptr state tupl blkno parent lock*}

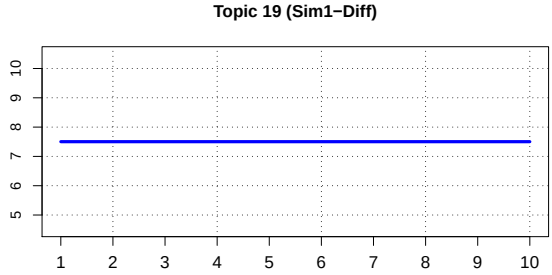
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
19	0.4810	0.0014
6	1.0483	0.0014
4	1.2939	0.0014

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
19	0.4810	0.0014
6	1.0483	0.0014
4	1.2939	0.0014

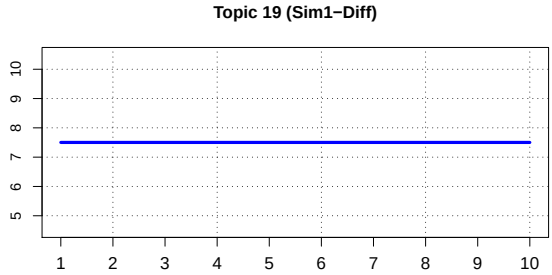
Best matching topic (Topic distance = 0.481, Evolution distance = 0.0014):



V	θ	Size	File	Package
10	0.96	1140	ginbtree.c	src.backend.access.gin
10	0.93	1593	gindatapage.c	src.backend.access.gin
10	0.87	1515	ginentrypage.c	src.backend.access.gin
10	0.85	1737	ginvacuum.c	src.backend.access.gin
5	0.96	1140	ginbtree.c	src.backend.access.gin
5	0.93	1593	gindatapage.c	src.backend.access.gin
5	0.87	1515	ginentrypage.c	src.backend.access.gin
5	0.85	1737	ginvacuum.c	src.backend.access.gin
1	0.96	1140	ginbtree.c	src.backend.access.gin
1	0.93	1593	gindatapage.c	src.backend.access.gin
1	0.87	1515	ginentrypage.c	src.backend.access.gin
1	0.85	1737	ginvacuum.c	src.backend.access.gin

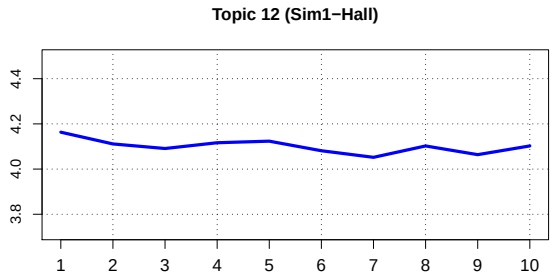
"buffer buffer", {*page buffer gin item index stack blkno btree offset block ptr*}

Best matching topic evolution (Topic distance = 0.481, Evolution distance = 0.0014):



V	θ	Size	File	Package
10	0.96	1140	ginbtree.c	src.backend.access.gin
10	0.93	1593	gindatapage.c	src.backend.access.gin
10	0.87	1515	ginentrypage.c	src.backend.access.gin
10	0.85	1737	ginvacuum.c	src.backend.access.gin
5	0.96	1140	ginbtree.c	src.backend.access.gin
5	0.93	1593	gindatapage.c	src.backend.access.gin
5	0.87	1515	ginentrypage.c	src.backend.access.gin
5	0.85	1737	ginvacuum.c	src.backend.access.gin
1	0.96	1140	ginbtree.c	src.backend.access.gin
1	0.93	1593	gindatapage.c	src.backend.access.gin
1	0.87	1515	ginentrypage.c	src.backend.access.gin
1	0.85	1737	ginvacuum.c	src.backend.access.gin

"buffer buffer", {*page buffer gin item index stack blkno btree offset block ptr*}



V	θ	Size	File	Package
1	1.00	544	genam.c	src.backend.access.index
1	1.00	1404	indexam.c	src.backend.access.index
1	0.91	2428	nbtutils.c	src.backend.access.nbtree
1	0.81	220	scankey.c	src.backend.access.common
8	1.00	544	genam.c	src.backend.access.index
8	1.00	1404	indexam.c	src.backend.access.index
8	0.92	2428	nbtutils.c	src.backend.access.nbtree
8	0.74	220	scankey.c	src.backend.access.common
7	1.00	544	genam.c	src.backend.access.index
7	1.00	1404	indexam.c	src.backend.access.index
7	0.90	2428	nbtutils.c	src.backend.access.nbtree
7	0.73	220	scankey.c	src.backend.access.common

"insert rec", {*scan index kei relat tupl datum info lock procedur strategi heap*}

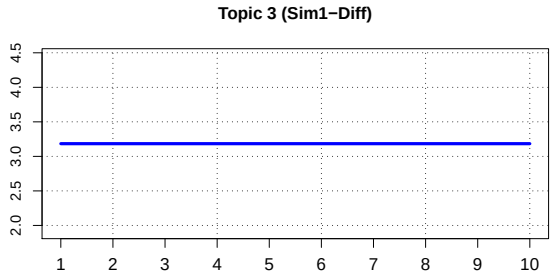
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
3	0.6186	0.0005
14	0.7259	0.0005
10	1.1322	0.0005

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
3	0.6186	0.0005
14	0.7259	0.0005
4	1.4516	0.0005

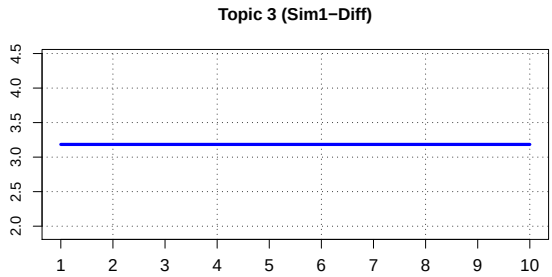
Best matching topic (Topic distance = 0.619, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.79	2428	nbtutils.c	src.backend.access.nbtree
10	0.70	3305	nbtsearch.c	src.backend.access.nbtree
10	0.44	220	scankey.c	src.backend.access.common
10	0.38	859	hashsearch.c	src.backend.access.hash
5	0.79	2428	nbtutils.c	src.backend.access.nbtree
5	0.70	3305	nbtsearch.c	src.backend.access.nbtree
5	0.44	220	scankey.c	src.backend.access.common
5	0.38	859	hashsearch.c	src.backend.access.hash
1	0.79	2428	nbtutils.c	src.backend.access.nbtree
1	0.70	3305	nbtsearch.c	src.backend.access.nbtree
1	0.44	220	scankey.c	src.backend.access.common
1	0.38	859	hashsearch.c	src.backend.access.hash

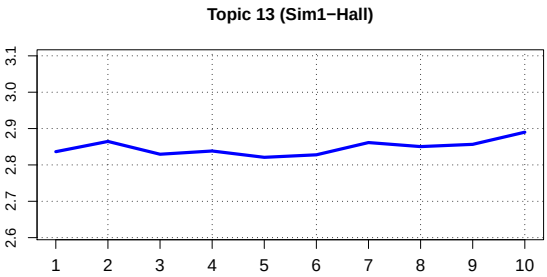
"btree vacuum", {*kei scan page item index opaqu curr strategi buf scankei offnum*}

Best matching topic evolution (Topic distance = 0.619, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.79	2428	nbtutils.c	src.backend.access.nbtree
10	0.70	3305	nbtsearch.c	src.backend.access.nbtree
10	0.44	220	scankey.c	src.backend.access.common
10	0.38	859	hashsearch.c	src.backend.access.hash
5	0.79	2428	nbtutils.c	src.backend.access.nbtree
5	0.70	3305	nbtsearch.c	src.backend.access.nbtree
5	0.44	220	scankey.c	src.backend.access.common
5	0.38	859	hashsearch.c	src.backend.access.hash
1	0.79	2428	nbtutils.c	src.backend.access.nbtree
1	0.70	3305	nbtsearch.c	src.backend.access.nbtree
1	0.44	220	scankey.c	src.backend.access.common
1	0.38	859	hashsearch.c	src.backend.access.hash

"btree vacuum", {*kei scan page item index opaqu curr strategi buf scankei offnum*}



V	θ	Size	File	Package
10	1.00	2387	nbtxlog.c	src.backend.access.nbtree
10	0.83	2525	gistxlog.c	src.backend.access.gist
10	0.61	1827	ginxlog.c	src.backend.access.gin
10	0.39	122	rmgr.c	src.backend.access.transam
4	1.00	2387	nbtxlog.c	src.backend.access.nbtree
4	0.83	2525	gistxlog.c	src.backend.access.gist
4	0.62	1827	ginxlog.c	src.backend.access.gin
4	0.34	122	rmgr.c	src.backend.access.transam
5	1.00	2387	nbtxlog.c	src.backend.access.nbtree
5	0.80	2525	gistxlog.c	src.backend.access.gist
5	0.60	1827	ginxlog.c	src.backend.access.gin
5	0.34	122	rmgr.c	src.backend.access.transam

"relat rel", {*page buffer xlog node insert xlrec record split lsn btree info*}

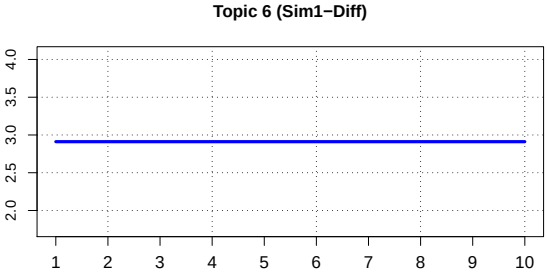
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
6	0.0906	0.0005
15	0.8909	0.0005
19	1.0655	0.0005

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
6	0.0906	0.0005
15	0.8909	0.0005
19	1.0655	0.0005

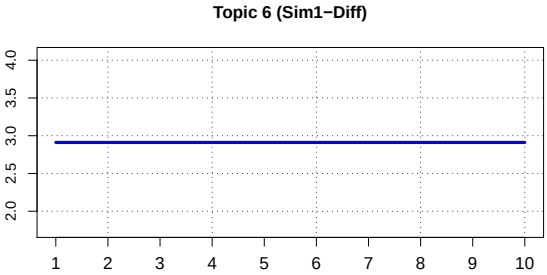
Best matching topic (Topic distance = 0.091, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.83	2525	gistxlog.c	src.backend.access.gist
10	0.62	2387	nbtxlog.c	src.backend.access.nbtree
10	0.54	1827	ginxlog.c	src.backend.access.gin
10	0.45	122	rmgr.c	src.backend.access.transam
5	0.83	2525	gistxlog.c	src.backend.access.gist
5	0.62	2387	nbtxlog.c	src.backend.access.nbtree
5	0.54	1827	ginxlog.c	src.backend.access.gin
5	0.45	122	rmgr.c	src.backend.access.transam
1	0.83	2525	gistxlog.c	src.backend.access.gist
1	0.62	2387	nbtxlog.c	src.backend.access.nbtree
1	0.54	1827	ginxlog.c	src.backend.access.gin
1	0.45	122	rmgr.c	src.backend.access.transam

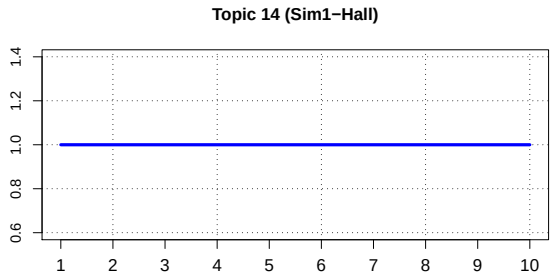
"xlog read", {*page buffer xlog node insert split xlrec record info lsn rec*}

Best matching topic evolution (Topic distance = 0.091, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.83	2525	gistxlog.c	src.backend.access.gist
10	0.62	2387	nbtxlog.c	src.backend.access.nbtree
10	0.54	1827	ginxlog.c	src.backend.access.gin
10	0.45	122	rmgr.c	src.backend.access.transam
5	0.83	2525	gistxlog.c	src.backend.access.gist
5	0.62	2387	nbtxlog.c	src.backend.access.nbtree
5	0.54	1827	ginxlog.c	src.backend.access.gin
5	0.45	122	rmgr.c	src.backend.access.transam
1	0.83	2525	gistxlog.c	src.backend.access.gist
1	0.62	2387	nbtxlog.c	src.backend.access.nbtree
1	0.54	1827	ginxlog.c	src.backend.access.gin
1	0.45	122	rmgr.c	src.backend.access.transam

"xlog read", {*page buffer xlog node insert split xlrec record info lsn rec*}



V	θ	Size	File	Package
10	1.00	9349	xact.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	1.00	9349	xact.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	1.00	9349	xact.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"normal transact", {*transact state tblock abort case block xact commit current context xid*}

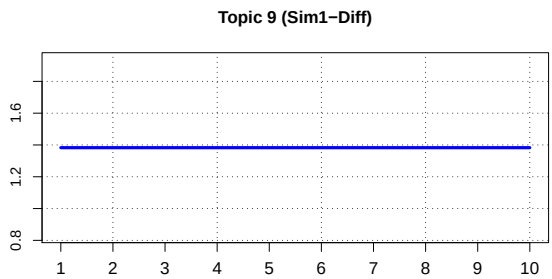
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
9	0.0385	0.0000
10	1.2842	0.0000
5	1.4902	0.0000

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
17	1.5011	0.0000
7	1.7904	0.0000
4	2.1346	0.0000

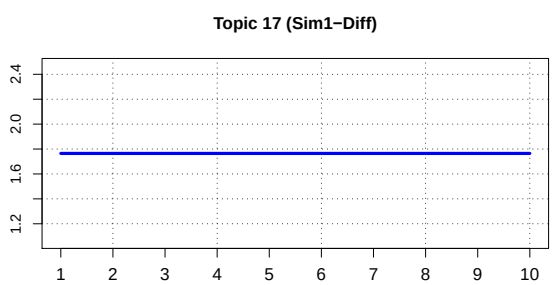
Best matching topic (Topic distance = 0.039, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.87	9349	xact.c	src.backend.access.transam
10	0.32	82	twophase_rmgr.c	src.backend.access.transam
10	0.13	217	hashscan.c	src.backend.access.hash
10	0.05	4255	twophase.c	src.backend.access.transam
5	0.87	9349	xact.c	src.backend.access.transam
5	0.32	82	twophase_rmgr.c	src.backend.access.transam
5	0.13	217	hashscan.c	src.backend.access.hash
5	0.05	4255	twophase.c	src.backend.access.transam
1	0.87	9349	xact.c	src.backend.access.transam
1	0.32	82	twophase_rmgr.c	src.backend.access.transam
1	0.13	217	hashscan.c	src.backend.access.hash
1	0.05	4255	twophase.c	src.backend.access.transam

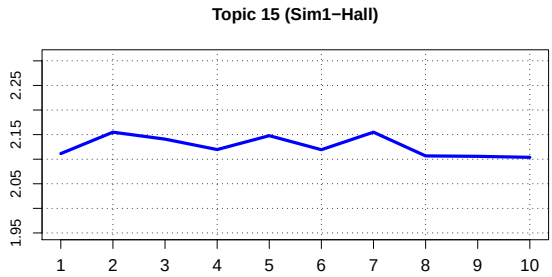
"current transact state", {*transact state tblock abort case block xact commit current context owner*}

Best matching topic evolution (Topic distance = 1.501, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.73	4255	twophase.c	src.backend.access.transam
10	0.52	82	twophase_rmgr.c	src.backend.access.transam
10	0.40	1198	xlogutils.c	src.backend.access.transam
10	0.11	122	rmgr.c	src.backend.access.transam
5	0.73	4255	twophase.c	src.backend.access.transam
5	0.52	82	twophase_rmgr.c	src.backend.access.transam
5	0.40	1198	xlogutils.c	src.backend.access.transam
5	0.11	122	rmgr.c	src.backend.access.transam
1	0.73	4255	twophase.c	src.backend.access.transam
1	0.52	82	twophase_rmgr.c	src.backend.access.transam
1	0.40	1198	xlogutils.c	src.backend.access.transam
1	0.11	122	rmgr.c	src.backend.access.transam

"phase state", {*phase file gxact xid transact state prepar record xact crc proc*}



V	θ	Size	File	Package
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	0.79	861	hio.c	src.backend.access.heap
7	0.36	4356	nbtinsert.c	src.backend.access.nbtree
7	NA	NA	NA	NA
6	1.00	3244	nbtpage.c	src.backend.access.nbtree
6	0.76	861	hio.c	src.backend.access.heap
6	0.36	4356	nbtinsert.c	src.backend.access.nbtree
6	NA	NA	NA	NA
10	1.00	3244	nbtpage.c	src.backend.access.nbtree
10	0.73	861	hio.c	src.backend.access.heap
10	0.37	4356	nbtinsert.c	src.backend.access.nbtree
10	NA	NA	NA	NA

"post tree", {*page buffer rel lock opaqu relat root buf block stack parent*}

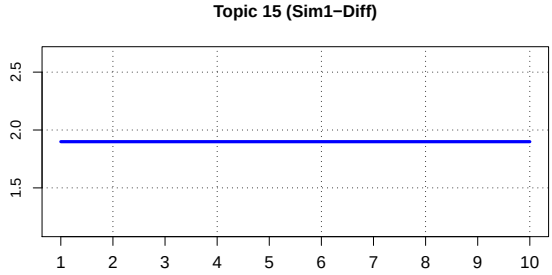
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
15	0.2050	0.0009
19	0.9696	0.0009
10	1.0430	0.0009

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
15	0.2050	0.0009
19	0.9696	0.0009
10	1.0430	0.0009

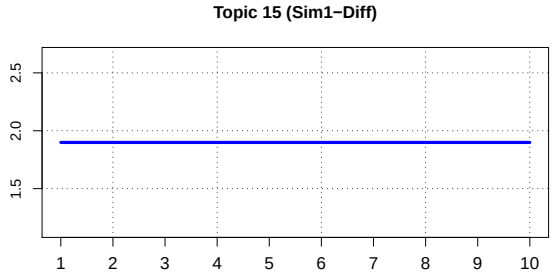
Best matching topic (Topic distance = 0.205, Evolution distance = 0.0009):



V	θ	Size	File	Package
10	0.78	3244	nbtpage.c	src.backend.access.nbtree
10	0.43	4356	nbtinsert.c	src.backend.access.nbtree
10	0.35	2387	nbtxlog.c	src.backend.access.nbtree
10	0.17	3305	nbtsearch.c	src.backend.access.nbtree
5	0.78	3244	nbtpage.c	src.backend.access.nbtree
5	0.43	4356	nbtinsert.c	src.backend.access.nbtree
5	0.35	2387	nbtxlog.c	src.backend.access.nbtree
5	0.17	3305	nbtsearch.c	src.backend.access.nbtree
1	0.78	3244	nbtpage.c	src.backend.access.nbtree
1	0.43	4356	nbtinsert.c	src.backend.access.nbtree
1	0.35	2387	nbtxlog.c	src.backend.access.nbtree
1	0.17	3305	nbtsearch.c	src.backend.access.nbtree

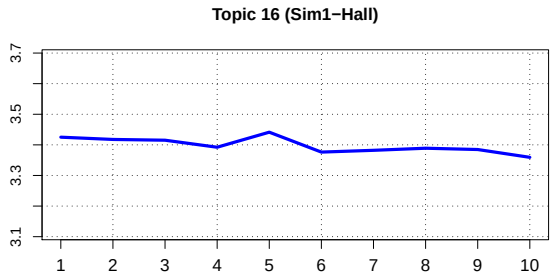
"root page", {*page buffer rel opaqu buf root btpo btree parent btpage level*}

Best matching topic evolution (Topic distance = 0.205, Evolution distance = 0.0009):



V	θ	Size	File	Package
10	0.78	3244	nbtpage.c	src.backend.access.nbtree
10	0.43	4356	nbtinsert.c	src.backend.access.nbtree
10	0.35	2387	nbtxlog.c	src.backend.access.nbtree
10	0.17	3305	nbtsearch.c	src.backend.access.nbtree
5	0.78	3244	nbtpage.c	src.backend.access.nbtree
5	0.43	4356	nbtinsert.c	src.backend.access.nbtree
5	0.35	2387	nbtxlog.c	src.backend.access.nbtree
5	0.17	3305	nbtsearch.c	src.backend.access.nbtree
1	0.78	3244	nbtpage.c	src.backend.access.nbtree
1	0.43	4356	nbtinsert.c	src.backend.access.nbtree
1	0.35	2387	nbtxlog.c	src.backend.access.nbtree
1	0.17	3305	nbtsearch.c	src.backend.access.nbtree

"root page", {*page buffer rel opaqu buf root btpo btree parent btpage level*}



V	θ	Size	File	Package
5	1.00	609	transam.c	src.backend.access.transam
5	1.00	1105	varsup.c	src.backend.access.transam
5	0.86	619	reloptions.c	src.backend.access.common
5	0.48	757	subtrans.c	src.backend.access.transam
8	1.00	609	transam.c	src.backend.access.transam
8	1.00	1105	varsup.c	src.backend.access.transam
8	0.84	619	reloptions.c	src.backend.access.common
8	0.45	757	subtrans.c	src.backend.access.transam
10	1.00	609	transam.c	src.backend.access.transam
10	1.00	1105	varsup.c	src.backend.access.transam
10	0.81	619	reloptions.c	src.backend.access.common
10	0.47	757	subtrans.c	src.backend.access.transam

"control lock", {*transact xid subtran limit cach commit statu oid normal parent variabl*}

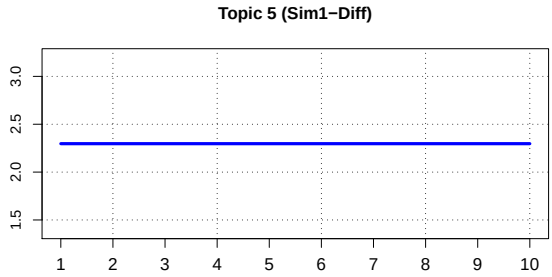
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
5	0.2697	0.0005
10	1.3055	0.0005
9	1.7041	0.0005

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
5	0.2697	0.0005
10	1.3055	0.0005
9	1.7041	0.0005

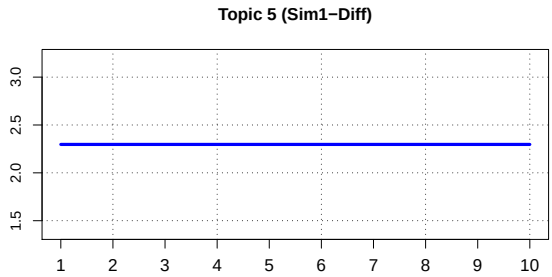
Best matching topic (Topic distance = 0.270, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.92	609	transam.c	src.backend.access.transam
10	0.73	1105	varsup.c	src.backend.access.transam
10	0.41	757	subtrans.c	src.backend.access.transam
10	0.14	1126	clog.c	src.backend.access.transam
5	0.92	609	transam.c	src.backend.access.transam
5	0.73	1105	varsup.c	src.backend.access.transam
5	0.41	757	subtrans.c	src.backend.access.transam
5	0.14	1126	clog.c	src.backend.access.transam
1	0.92	609	transam.c	src.backend.access.transam
1	0.73	1105	varsup.c	src.backend.access.transam
1	0.41	757	subtrans.c	src.backend.access.transam
1	0.14	1126	clog.c	src.backend.access.transam

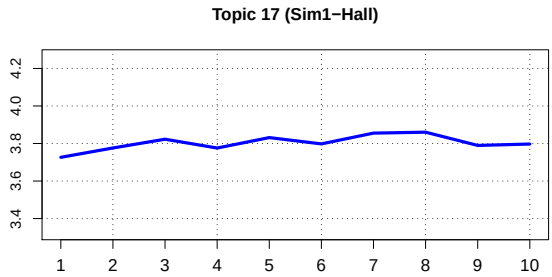
"xid gen", {*transact xid subtran commit cach shmem variabl limit statu normal log*}

Best matching topic evolution (Topic distance = 0.270, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.92	609	transam.c	src.backend.access.transam
10	0.73	1105	varsup.c	src.backend.access.transam
10	0.41	757	subtrans.c	src.backend.access.transam
10	0.14	1126	clog.c	src.backend.access.transam
5	0.92	609	transam.c	src.backend.access.transam
5	0.73	1105	varsup.c	src.backend.access.transam
5	0.41	757	subtrans.c	src.backend.access.transam
5	0.14	1126	clog.c	src.backend.access.transam
1	0.92	609	transam.c	src.backend.access.transam
1	0.73	1105	varsup.c	src.backend.access.transam
1	0.41	757	subtrans.c	src.backend.access.transam
1	0.14	1126	clog.c	src.backend.access.transam

"xid gen", {*transact xid subtran commit cach shmem variabl limit statu normal log*}



V	θ	Size	File	Package
8	1.00	1593	gindatapage.c	src.backend.access.gin
8	1.00	1515	ginentrypage.c	src.backend.access.gin
8	0.51	1140	ginbtree.c	src.backend.access.gin
8	0.39	1827	ginxlog.c	src.backend.access.gin
10	1.00	1593	gindatapage.c	src.backend.access.gin
10	1.00	1515	ginentrypage.c	src.backend.access.gin
10	0.51	1140	ginbtree.c	src.backend.access.gin
10	0.39	1827	ginxlog.c	src.backend.access.gin
1	1.00	1593	gindatapage.c	src.backend.access.gin
1	1.00	1515	ginentrypage.c	src.backend.access.gin
1	0.46	1140	ginbtree.c	src.backend.access.gin
1	0.37	1827	ginxlog.c	src.backend.access.gin

"heap tupl", {*page gin btree item buffer offset post index itup blkno block*}

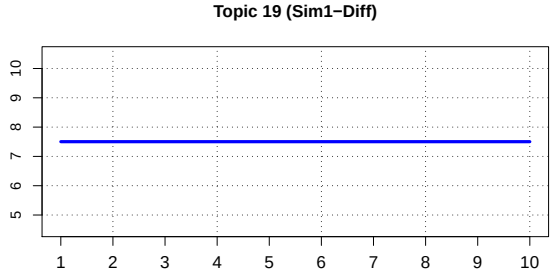
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
19	0.4764	0.0010
15	1.4641	0.0010
18	1.4654	0.0010

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
15	1.4641	0.0010
18	1.4654	0.0010
12	1.4699	0.0010

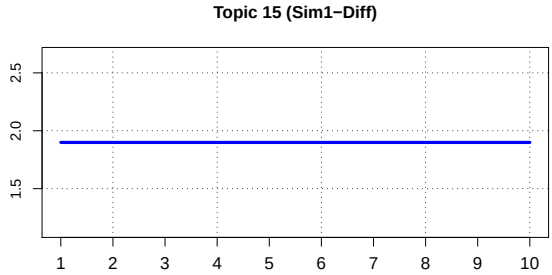
Best matching topic (Topic distance = 0.476, Evolution distance = 0.0010):



V	θ	Size	File	Package
10	0.96	1140	ginbtree.c	src.backend.access.gin
10	0.93	1593	gindatapage.c	src.backend.access.gin
10	0.87	1515	ginentrypage.c	src.backend.access.gin
10	0.85	1737	ginvacuum.c	src.backend.access.gin
5	0.96	1140	ginbtree.c	src.backend.access.gin
5	0.93	1593	gindatapage.c	src.backend.access.gin
5	0.87	1515	ginentrypage.c	src.backend.access.gin
5	0.85	1737	ginvacuum.c	src.backend.access.gin
1	0.96	1140	ginbtree.c	src.backend.access.gin
1	0.93	1593	gindatapage.c	src.backend.access.gin
1	0.87	1515	ginentrypage.c	src.backend.access.gin
1	0.85	1737	ginvacuum.c	src.backend.access.gin

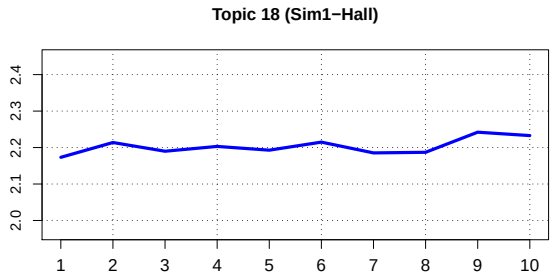
"buffer buffer", {*page buffer gin item index stack blkno btree offset block ptr*}

Best matching topic evolution (Topic distance = 1.464, Evolution distance = 0.0010):



V	θ	Size	File	Package
10	0.78	3244	nbtpage.c	src.backend.access.nbtree
10	0.43	4356	nbtinsert.c	src.backend.access.nbtree
10	0.35	2387	nbtxlog.c	src.backend.access.nbtree
10	0.17	3305	nbtsearch.c	src.backend.access.nbtree
5	0.78	3244	nbtpage.c	src.backend.access.nbtree
5	0.43	4356	nbtinsert.c	src.backend.access.nbtree
5	0.35	2387	nbtxlog.c	src.backend.access.nbtree
5	0.17	3305	nbtsearch.c	src.backend.access.nbtree
1	0.78	3244	nbtpage.c	src.backend.access.nbtree
1	0.43	4356	nbtinsert.c	src.backend.access.nbtree
1	0.35	2387	nbtxlog.c	src.backend.access.nbtree
1	0.17	3305	nbtsearch.c	src.backend.access.nbtree

"root page", {*page buffer rel opaqu buf root btpo btree parent btpage level*}



V	θ	Size	File	Package
9	1.00	2743	slru.c	src.backend.access.transam
9	0.78	1126	clog.c	src.backend.access.transam
9	0.47	757	subtrans.c	src.backend.access.transam
9	NA	NA	NA	NA
5	1.00	2743	slru.c	src.backend.access.transam
5	0.73	1126	clog.c	src.backend.access.transam
5	0.47	757	subtrans.c	src.backend.access.transam
5	NA	NA	NA	NA
1	1.00	2743	slru.c	src.backend.access.transam
1	0.75	1126	clog.c	src.backend.access.transam
1	0.42	757	subtrans.c	src.backend.access.transam
1	NA	NA	NA	NA

"scan opaqu", {*page slru share slotno ctl clog pageno lru lock write statu*}

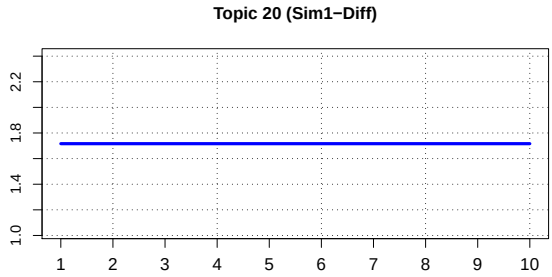
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
20	0.0955	0.0009
10	1.2348	0.0009
7	1.4733	0.0009

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
20	0.0955	0.0009
10	1.2348	0.0009
7	1.4733	0.0009

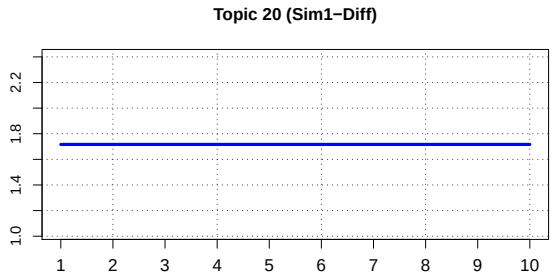
Best matching topic (Topic distance = 0.096, Evolution distance = 0.0009):



V	θ	Size	File	Package
10	0.82	2743	slru.c	src.backend.access.transam
10	0.50	1126	clog.c	src.backend.access.transam
10	0.32	757	subtrans.c	src.backend.access.transam
10	0.04	1198	xlogutils.c	src.backend.access.transam
5	0.82	2743	slru.c	src.backend.access.transam
5	0.50	1126	clog.c	src.backend.access.transam
5	0.32	757	subtrans.c	src.backend.access.transam
5	0.04	1198	xlogutils.c	src.backend.access.transam
1	0.82	2743	slru.c	src.backend.access.transam
1	0.50	1126	clog.c	src.backend.access.transam
1	0.32	757	subtrans.c	src.backend.access.transam
1	0.04	1198	xlogutils.c	src.backend.access.transam

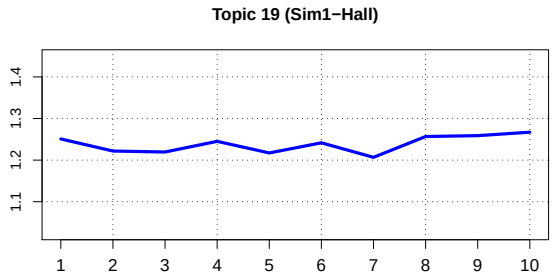
"simpl lru", {*page slru share slotno ctl clog lru pageno statu write simpl*}

Best matching topic evolution (Topic distance = 0.096, Evolution distance = 0.0009):



V	θ	Size	File	Package
10	0.82	2743	slru.c	src.backend.access.transam
10	0.50	1126	clog.c	src.backend.access.transam
10	0.32	757	subtrans.c	src.backend.access.transam
10	0.04	1198	xlogutils.c	src.backend.access.transam
5	0.82	2743	slru.c	src.backend.access.transam
5	0.50	1126	clog.c	src.backend.access.transam
5	0.32	757	subtrans.c	src.backend.access.transam
5	0.04	1198	xlogutils.c	src.backend.access.transam
1	0.82	2743	slru.c	src.backend.access.transam
1	0.50	1126	clog.c	src.backend.access.transam
1	0.32	757	subtrans.c	src.backend.access.transam
1	0.04	1198	xlogutils.c	src.backend.access.transam

"simpl lru", {*page slru share slotno ctl clog lru pageno statu write simpl*}



V	θ	Size	File	Package
10	1.00	9801	heapam.c	src.backend.access.heap
10	0.27	861	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
6	1.00	9801	heapam.c	src.backend.access.heap
6	0.24	861	hio.c	src.backend.access.heap
6	NA	NA	NA	NA
6	NA	NA	NA	NA
7	1.00	9801	heapam.c	src.backend.access.heap
7	0.21	861	hio.c	src.backend.access.heap
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"heap desc", {*tupl heap buffer page lock relat scan xmax item updat xlog*}

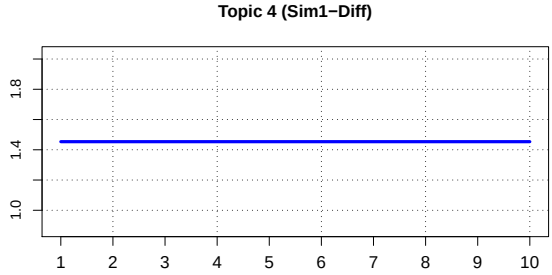
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
4	0.0734	0.0025
10	1.0750	0.0025
6	1.2133	0.0025

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
4	0.0734	0.0025
10	1.0750	0.0025
6	1.2133	0.0025

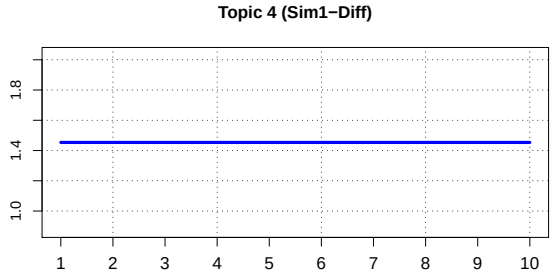
Best matching topic (Topic distance = 0.073, Evolution distance = 0.0025):



V	θ	Size	File	Package
10	0.81	9801	heapam.c	src.backend.access.heap
10	0.56	861	hio.c	src.backend.access.heap
10	0.04	1404	indexam.c	src.backend.access.index
10	0.03	4356	nbtinsert.c	src.backend.access.nbtree
5	0.81	9801	heapam.c	src.backend.access.heap
5	0.56	861	hio.c	src.backend.access.heap
5	0.04	1404	indexam.c	src.backend.access.index
5	0.03	4356	nbtinsert.c	src.backend.access.nbtree
1	0.81	9801	heapam.c	src.backend.access.heap
1	0.56	861	hio.c	src.backend.access.heap
1	0.04	1404	indexam.c	src.backend.access.index
1	0.03	4356	nbtinsert.c	src.backend.access.nbtree

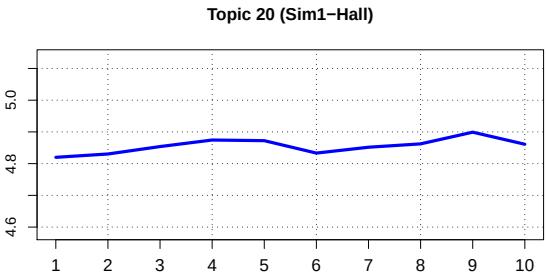
"buffer buffer", {*buffer tupl heap page relat lock scan item xmax updat xlog*}

Best matching topic evolution (Topic distance = 0.073, Evolution distance = 0.0025):



V	θ	Size	File	Package
10	0.81	9801	heapam.c	src.backend.access.heap
10	0.56	861	hio.c	src.backend.access.heap
10	0.04	1404	indexam.c	src.backend.access.index
10	0.03	4356	nbtinsert.c	src.backend.access.nbtree
5	0.81	9801	heapam.c	src.backend.access.heap
5	0.56	861	hio.c	src.backend.access.heap
5	0.04	1404	indexam.c	src.backend.access.index
5	0.03	4356	nbtinsert.c	src.backend.access.nbtree
1	0.81	9801	heapam.c	src.backend.access.heap
1	0.56	861	hio.c	src.backend.access.heap
1	0.04	1404	indexam.c	src.backend.access.index
1	0.03	4356	nbtinsert.c	src.backend.access.nbtree

"buffer buffer", {*buffer tupl heap page relat lock scan item xmax updat xlog*}



V	θ	Size	File	Package
9	1.00	2308	nbtree.c	src.backend.access.nbtree
9	1.00	3305	nbtsearch.c	src.backend.access.nbtree
9	0.84	401	gistscan.c	src.backend.access.gist
9	0.75	983	gistget.c	src.backend.access.gist
3	1.00	2308	nbtree.c	src.backend.access.nbtree
3	1.00	3305	nbtsearch.c	src.backend.access.nbtree
3	0.80	401	gistscan.c	src.backend.access.gist
3	0.74	983	gistget.c	src.backend.access.gist
1	1.00	2308	nbtree.c	src.backend.access.nbtree
1	1.00	3305	nbtsearch.c	src.backend.access.nbtree
1	0.81	401	gistscan.c	src.backend.access.gist
1	0.73	1669	hash.c	src.backend.access.hash

"rdata len insert", {*scan page index item opaqu kei buffer buf tupl curr rel*}

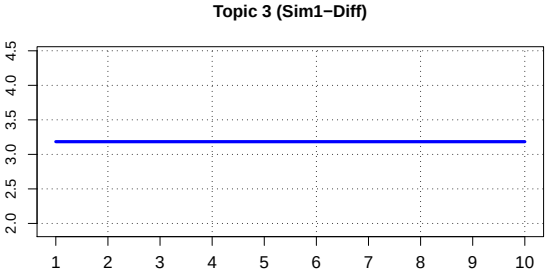
Top 3 matching topics in Sim1-Diff:

Topic	Dist.	EvoDist.
3	0.3881	0.0002
14	0.5776	0.0002
15	1.0964	0.0002

Top 3 matching topic evolutions in Sim1-Diff:

Topic	Dist.	EvoDist.
19	1.1322	0.0002
10	1.2493	0.0002
6	1.7692	0.0002

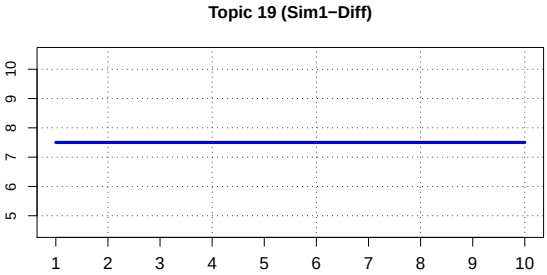
Best matching topic (Topic distance = 0.388, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	0.79	2428	nbtutils.c	src.backend.access.nbtree
10	0.70	3305	nbtsearch.c	src.backend.access.nbtree
10	0.44	220	scankey.c	src.backend.access.common
10	0.38	859	hashsearch.c	src.backend.access.hash
5	0.79	2428	nbtutils.c	src.backend.access.nbtree
5	0.70	3305	nbtsearch.c	src.backend.access.nbtree
5	0.44	220	scankey.c	src.backend.access.common
5	0.38	859	hashsearch.c	src.backend.access.hash
1	0.79	2428	nbtutils.c	src.backend.access.nbtree
1	0.70	3305	nbtsearch.c	src.backend.access.nbtree
1	0.44	220	scankey.c	src.backend.access.common
1	0.38	859	hashsearch.c	src.backend.access.hash

"btree vacuum", {*kei scan page item index opaqu curr strategi buf scankei offnum*}

Best matching topic evolution (Topic distance = 1.132, Evolution distance = 0.0002):

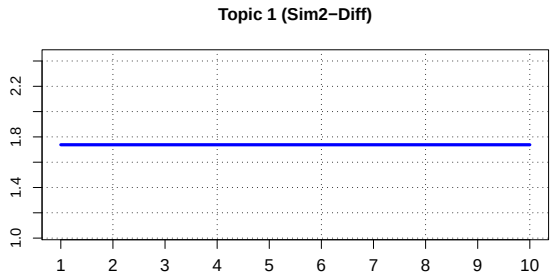


V	θ	Size	File	Package
10	0.96	1140	ginbtree.c	src.backend.access.gin
10	0.93	1593	gindatapage.c	src.backend.access.gin
10	0.87	1515	ginentrypage.c	src.backend.access.gin
10	0.85	1737	ginvacuum.c	src.backend.access.gin
5	0.96	1140	ginbtree.c	src.backend.access.gin
5	0.93	1593	gindatapage.c	src.backend.access.gin
5	0.87	1515	ginentrypage.c	src.backend.access.gin
5	0.85	1737	ginvacuum.c	src.backend.access.gin
1	0.96	1140	ginbtree.c	src.backend.access.gin
1	0.93	1593	gindatapage.c	src.backend.access.gin
1	0.87	1515	ginentrypage.c	src.backend.access.gin
1	0.85	1737	ginvacuum.c	src.backend.access.gin

"buffer buffer", {*page buffer gin item index stack blkno btree offset block ptr*}

4 Simulated Scenario 2

4.1 Diff



V	θ	Size	File	Package
10	0.83	2743	slru.c	src.backend.access.transam
10	0.50	1126	clog.c	src.backend.access.transam
10	0.33	757	subtrans.c	src.backend.access.transam
10	0.07	1198	xlogutils.c	src.backend.access.transam
5	0.83	2743	slru.c	src.backend.access.transam
5	0.50	1126	clog.c	src.backend.access.transam
5	0.33	757	subtrans.c	src.backend.access.transam
5	0.07	1198	xlogutils.c	src.backend.access.transam
1	0.83	2743	slru.c	src.backend.access.transam
1	0.50	1126	clog.c	src.backend.access.transam
1	0.33	757	subtrans.c	src.backend.access.transam
1	0.07	1198	xlogutils.c	src.backend.access.transam

"clog control", {*page slru share slotno ctl clog lru pageno statu write buffer*}

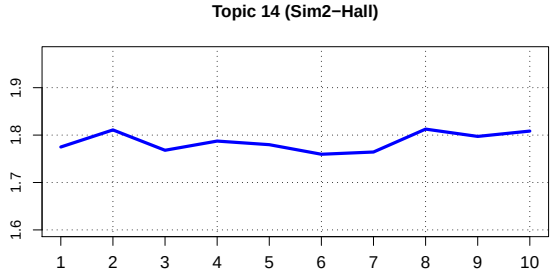
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
14	0.1835	0.0011
9	1.7717	0.1997
3	1.9868	0.0000

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.9868	0.0000
12	2.0154	0.0000
7	3.0393	0.0002

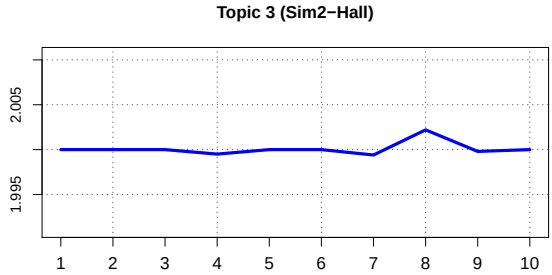
Best matching topic (Topic distance = 0.183, Evolution distance = 0.0011):



V	θ	Size	File	Package
8	1.00	2743	slru.c	src.backend.access.transam
8	0.43	757	subtrans.c	src.backend.access.transam
8	0.38	1126	clog.c	src.backend.access.transam
8	NA	NA	NA	NA
5	1.00	2743	slru.c	src.backend.access.transam
5	0.41	757	subtrans.c	src.backend.access.transam
5	0.37	1126	clog.c	src.backend.access.transam
5	NA	NA	NA	NA
6	1.00	2743	slru.c	src.backend.access.transam
6	0.39	757	subtrans.c	src.backend.access.transam
6	0.37	1126	clog.c	src.backend.access.transam
6	NA	NA	NA	NA

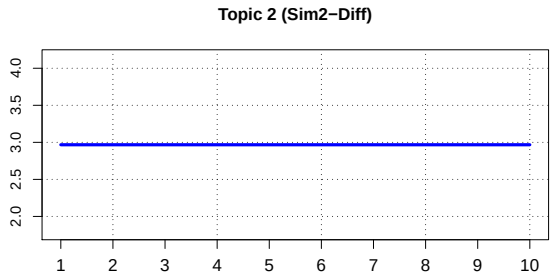
"control lock", {*page slru share slotno ctl lru pageno lock write statu simpl*}

Best matching topic evolution (Topic distance = 1.987, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.72	2525	gistxlog.c	src.backend.access.gist
10	0.64	2387	nbtxlog.c	src.backend.access.nbtree
10	0.59	1827	ginxlog.c	src.backend.access.gin
10	0.52	122	rmgr.c	src.backend.access.transam
5	0.72	2525	gistxlog.c	src.backend.access.gist
5	0.64	2387	nbtxlog.c	src.backend.access.nbtree
5	0.59	1827	ginxlog.c	src.backend.access.gin
5	0.52	122	rmgr.c	src.backend.access.transam
1	0.72	2525	gistxlog.c	src.backend.access.gist
1	0.64	2387	nbtxlog.c	src.backend.access.nbtree
1	0.59	1827	ginxlog.c	src.backend.access.gin
1	0.52	122	rmgr.c	src.backend.access.transam

"xlog record", {*page buffer xlog node record insert xlrec split lsn info rec*}

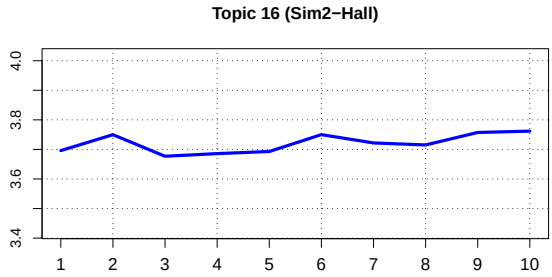
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
16	0.2718	0.0007
13	1.1636	0.0019
3	1.3457	0.0000

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.3457	0.0000
12	2.3221	0.0000
7	2.4056	0.0002

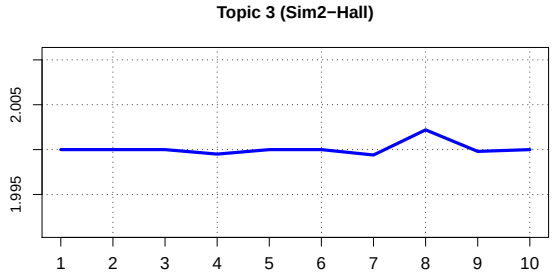
Best matching topic (Topic distance = 0.272, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	1.00	2387	nbtxlog.c	src.backend.access.nbtree
10	0.85	1198	xlogutils.c	src.backend.access.transam
10	0.65	122	rmgr.c	src.backend.access.transam
10	0.62	2525	gistxlog.c	src.backend.access.gist
8	1.00	2387	nbtxlog.c	src.backend.access.nbtree
8	0.85	1198	xlogutils.c	src.backend.access.transam
8	0.62	2525	gistxlog.c	src.backend.access.gist
8	0.58	1827	ginxlog.c	src.backend.access.gin
3	1.00	2387	nbtxlog.c	src.backend.access.nbtree
3	0.83	1198	xlogutils.c	src.backend.access.transam
3	0.63	2525	gistxlog.c	src.backend.access.gist
3	0.57	1827	ginxlog.c	src.backend.access.gin

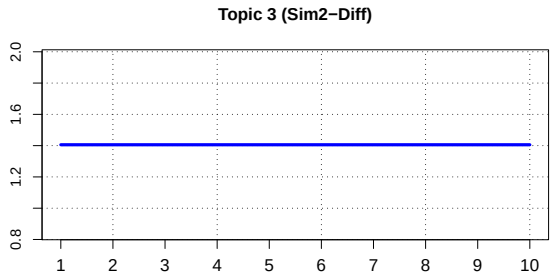
"xlog rec", {*page buffer xlog node xlrec record split insert btree lsn info*}

Best matching topic evolution (Topic distance = 1.346, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.75	4255	twophase.c	src.backend.access.transam
10	0.63	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.75	4255	twophase.c	src.backend.access.transam
5	0.63	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.75	4255	twophase.c	src.backend.access.transam
1	0.63	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"phase state", {*phase file gxact transact state xid prepar record xact crc proc*}

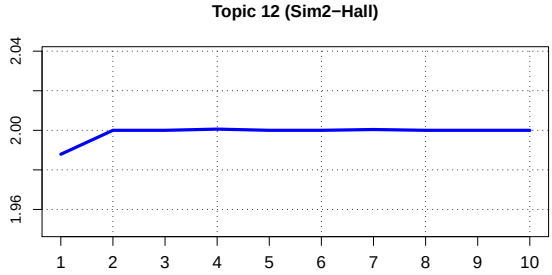
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
12	0.2298	0.0000
1	1.5850	0.1237
9	1.5985	0.1997

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.2600	0.0000
12	0.2298	0.0000
7	2.8584	0.0002

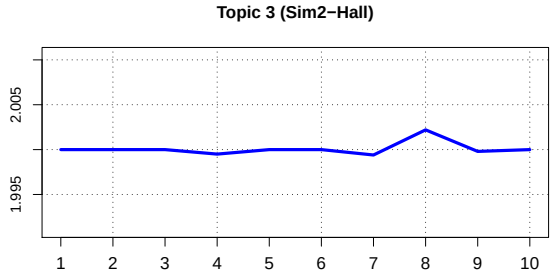
Best matching topic (Topic distance = 0.230, Evolution distance = 0.0000):



V	θ	Size	File	Package
4	1.00	4255	twophase.c	src.backend.access.transam
4	1.00	82	twophase_rmgr.c	src.backend.access.transam
4	NA	NA	NA	NA
4	NA	NA	NA	NA
6	1.00	4255	twophase.c	src.backend.access.transam
6	1.00	82	twophase_rmgr.c	src.backend.access.transam
6	NA	NA	NA	NA
6	NA	NA	NA	NA
1	1.00	4255	twophase.c	src.backend.access.transam
1	0.99	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

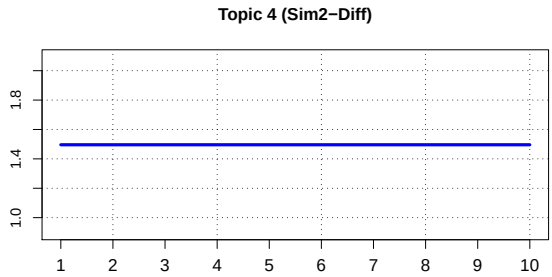
"twophas rmgr command", {*transact phase file xid gxact state prepar record xact lock crc*}

Best matching topic evolution (Topic distance = 2.260, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.82	9801	heapam.c	src.backend.access.heap
10	0.59	861	hio.c	src.backend.access.heap
10	0.04	1404	indexam.c	src.backend.access.index
10	0.04	4356	nbtinsert.c	src.backend.access.nbtree
5	0.82	9801	heapam.c	src.backend.access.heap
5	0.59	861	hio.c	src.backend.access.heap
5	0.04	1404	indexam.c	src.backend.access.index
5	0.04	4356	nbtinsert.c	src.backend.access.nbtree
1	0.82	9801	heapam.c	src.backend.access.heap
1	0.59	861	hio.c	src.backend.access.heap
1	0.04	1404	indexam.c	src.backend.access.index
1	0.04	4356	nbtinsert.c	src.backend.access.nbtree

"offset page offnum", {*buffer tupl heap page relat lock scan item xmax updat xlog*}

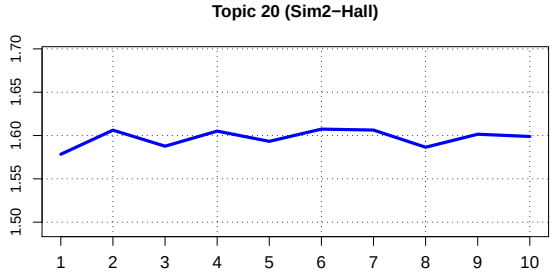
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
20	0.1236	0.0004
16	1.2257	0.0007
3	1.4023	0.0000

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.4023	0.0000
12	2.0090	0.0000
7	2.6498	0.0002

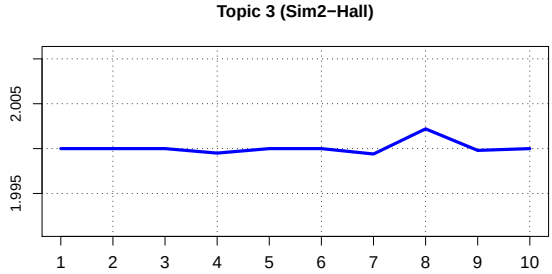
Best matching topic (Topic distance = 0.124, Evolution distance = 0.0004):



V	θ	Size	File	Package
6	1.00	9801	heapam.c	src.backend.access.heap
6	0.61	861	hio.c	src.backend.access.heap
6	NA	NA	NA	NA
6	NA	NA	NA	NA
10	1.00	9801	heapam.c	src.backend.access.heap
10	0.60	861	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
1	1.00	9801	heapam.c	src.backend.access.heap
1	0.58	861	hio.c	src.backend.access.heap
1	NA	NA	NA	NA
1	NA	NA	NA	NA

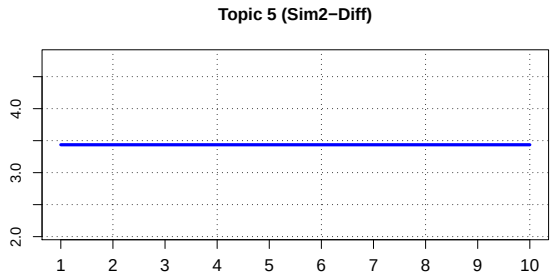
"buffer buffer", {*buffer tupl heap page lock relat scan item xmax updat xlog*}

Best matching topic evolution (Topic distance = 1.402, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.98	1721	gistproc.c	src.backend.access.gist
10	0.65	419	hashfunc.c	src.backend.access.hash
10	0.52	150	ginarrayproc.c	src.backend.access.gin
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.98	1721	gistproc.c	src.backend.access.gist
5	0.65	419	hashfunc.c	src.backend.access.hash
5	0.52	150	ginarrayproc.c	src.backend.access.gin
1	1.00	166	nbtcompare.c	src.backend.access.nbtree
1	0.98	1721	gistproc.c	src.backend.access.gist
1	0.65	419	hashfunc.c	src.backend.access.hash
1	0.52	150	ginarrayproc.c	src.backend.access.gin

"wstate btw", {*box datum kei function getarg strategi high low queri wstate spl*}

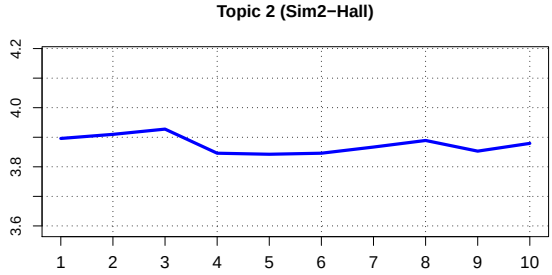
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
2	0.1621	0.0005
7	2.0696	0.0002
19	2.1324	0.0010

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.3642	0.0000
12	2.7706	0.0000
7	2.0696	0.0002

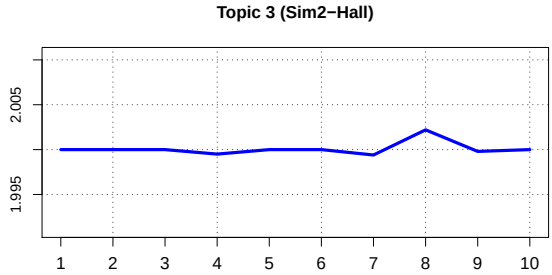
Best matching topic (Topic distance = 0.162, Evolution distance = 0.0005):



V	θ	Size	File	Package
3	1.00	1721	gistproc.c	src.backend.access.gist
3	1.00	419	hashfunc.c	src.backend.access.hash
3	1.00	166	nbtcompare.c	src.backend.access.nbtree
3	0.61	150	ginarrayproc.c	src.backend.access.gin
7	1.00	1721	gistproc.c	src.backend.access.gist
7	1.00	419	hashfunc.c	src.backend.access.hash
7	1.00	166	nbtcompare.c	src.backend.access.nbtree
7	0.58	150	ginarrayproc.c	src.backend.access.gin
5	1.00	1721	gistproc.c	src.backend.access.gist
5	1.00	419	hashfunc.c	src.backend.access.hash
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.56	150	ginarrayproc.c	src.backend.access.gin

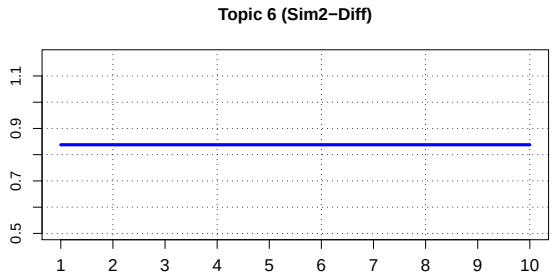
"uniqu datum", {*datum box kei function getarg strategi high low queri arg entri*}

Best matching topic evolution (Topic distance = 2.364, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.79	18415	xlog.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.79	18415	xlog.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.79	18415	xlog.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"control file", {*file xlog record log write ptr control rec page time point*}

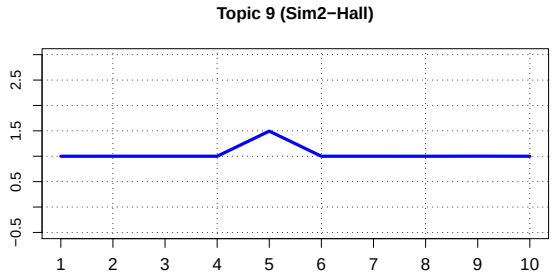
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
9	0.1563	0.1997
16	1.6640	0.0007
12	1.7491	0.0000

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.8230	0.0000
12	1.7491	0.0000
7	2.8392	0.0002

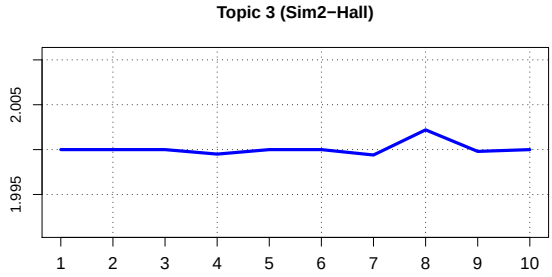
Best matching topic (Topic distance = 0.156, Evolution distance = 0.1997):



V	θ	Size	File	Package
5	1.00	18415	xlog.c	src.backend.access.transam
5	0.37	748	localtime.c	src.timezone
5	0.13	350	strftime.c	src.timezone
5	NA	NA	NA	NA
4	1.00	18415	xlog.c	src.backend.access.transam
4	NA	NA	NA	NA
4	NA	NA	NA	NA
4	NA	NA	NA	NA
1	1.00	18415	xlog.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

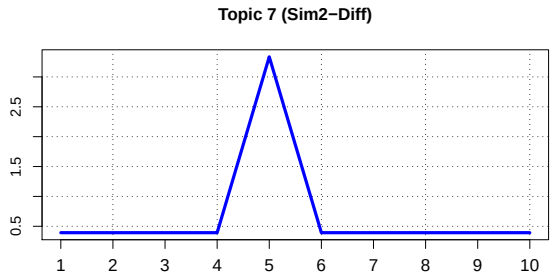
"standard time", {*file xlog record log write ptr control rec page read check*}

Best matching topic evolution (Topic distance = 1.823, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
5	1.00	27	scheck.c	src.timezone
5	1.00	350	strftime.c	src.timezone
5	0.94	748	localtime.c	src.timezone
5	0.25	1198	xlogutils.c	src.backend.access.transam
6	0.25	1198	xlogutils.c	src.backend.access.transam
6	0.08	419	hashfunc.c	src.backend.access.hash
6	0.02	544	genam.c	src.backend.access.index
6	NA	NA	NA	NA
1	0.25	1198	xlogutils.c	src.backend.access.transam
1	0.08	419	hashfunc.c	src.backend.access.hash
1	0.02	544	genam.c	src.backend.access.index
1	NA	NA	NA	NA

"seq search", {*time year case continu const offset type rule hentri tmp format*}

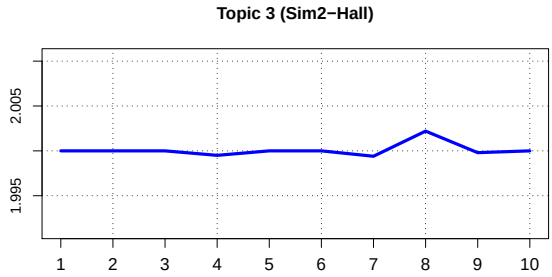
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.3500	16.5271
9	2.3536	13.0928
19	2.3909	16.4348

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
9	2.3536	13.0928
1	2.5696	13.7971
17	2.7789	13.8595

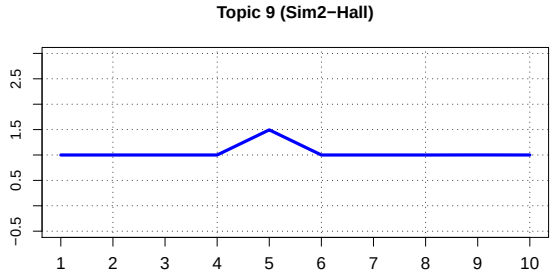
Best matching topic (Topic distance = 2.350, Evolution distance = 16.5271):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

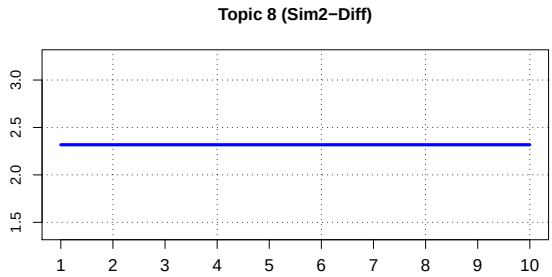
"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}

Best matching topic evolution (Topic distance = 2.354, Evolution distance = 13.0928):



V	θ	Size	File	Package
5	1.00	18415	xlog.c	src.backend.access.transam
5	0.37	748	localtime.c	src.timezone
5	0.13	350	strftime.c	src.timezone
5	NA	NA	NA	NA
4	1.00	18415	xlog.c	src.backend.access.transam
4	NA	NA	NA	NA
4	NA	NA	NA	NA
4	NA	NA	NA	NA
1	1.00	18415	xlog.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"standard time", {*file xlog record log write ptr control rec page read check*}



V	θ	Size	File	Package
10	0.77	3244	nbtpage.c	src.backend.access.nbtree
10	0.72	4356	nbtinsert.c	src.backend.access.nbtree
10	0.34	1751	nbtsort.c	src.backend.access.nbtree
10	0.34	2387	nbtxlog.c	src.backend.access.nbtree
5	0.77	3244	nbtpage.c	src.backend.access.nbtree
5	0.72	4356	nbtinsert.c	src.backend.access.nbtree
5	0.34	1751	nbtsort.c	src.backend.access.nbtree
5	0.34	2387	nbtxlog.c	src.backend.access.nbtree
1	0.77	3244	nbtpage.c	src.backend.access.nbtree
1	0.72	4356	nbtinsert.c	src.backend.access.nbtree
1	0.34	1751	nbtsort.c	src.backend.access.nbtree
1	0.34	2387	nbtxlog.c	src.backend.access.nbtree

"page page", {*page buffer item rel opaqu btree btpo root split btpage index*}

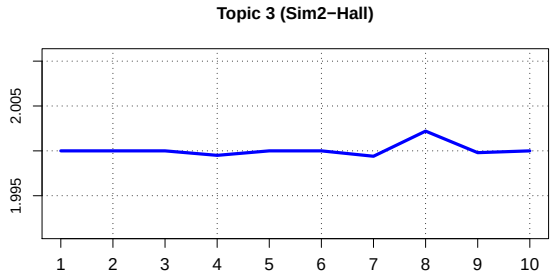
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
3	0.2483	0.0000
13	1.0909	0.0019
16	1.1434	0.0007

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	0.2483	0.0000
12	2.4027	0.0000
7	2.3350	0.0002

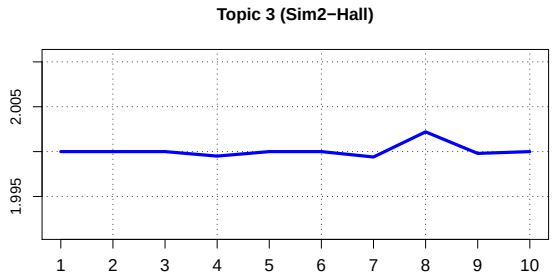
Best matching topic (Topic distance = 0.248, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

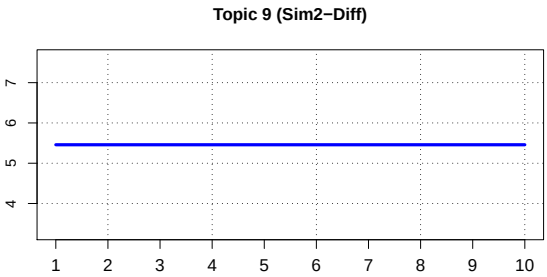
"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}

Best matching topic evolution (Topic distance = 0.248, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.95	1962	gistvacuum.c	src.backend.access.gist
10	0.84	2761	gist.c	src.backend.access.gist
10	0.66	1737	ginvacuum.c	src.backend.access.gin
10	0.57	1140	ginbtree.c	src.backend.access.gin
5	0.95	1962	gistvacuum.c	src.backend.access.gist
5	0.84	2761	gist.c	src.backend.access.gist
5	0.66	1737	ginvacuum.c	src.backend.access.gin
5	0.57	1140	ginbtree.c	src.backend.access.gin
1	0.95	1962	gistvacuum.c	src.backend.access.gist
1	0.84	2761	gist.c	src.backend.access.gist
1	0.66	1737	ginvacuum.c	src.backend.access.gin
1	0.57	1140	ginbtree.c	src.backend.access.gin

"index tupl", {*page buffer index stack state blkno tupl ptr gist item parent*}

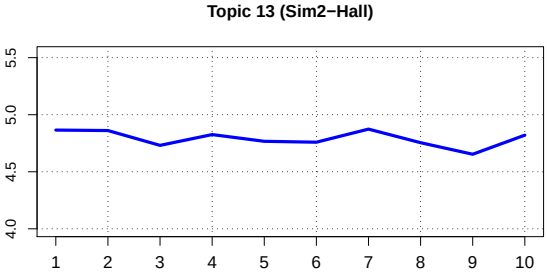
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
13	0.0513	0.0019
19	0.9383	0.0010
3	1.0614	0.0000

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.0614	0.0000
12	2.2437	0.0000
7	1.9975	0.0002

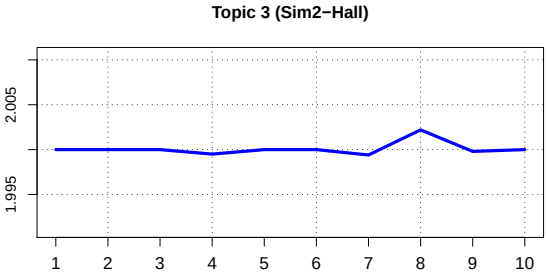
Best matching topic (Topic distance = 0.051, Evolution distance = 0.0019):



V	θ	Size	File	Package
7	1.00	1962	gistvacuum.c	src.backend.access.gist
7	0.93	2761	gist.c	src.backend.access.gist
7	0.71	1737	ginvacuum.c	src.backend.access.gin
7	0.59	1140	ginbtree.c	src.backend.access.gin
5	1.00	1962	gistvacuum.c	src.backend.access.gist
5	0.93	2761	gist.c	src.backend.access.gist
5	0.72	1737	ginvacuum.c	src.backend.access.gin
5	0.60	1140	ginbtree.c	src.backend.access.gin
9	1.00	1962	gistvacuum.c	src.backend.access.gist
9	0.92	2761	gist.c	src.backend.access.gist
9	0.70	1737	ginvacuum.c	src.backend.access.gin
9	0.60	1140	ginbtree.c	src.backend.access.gin

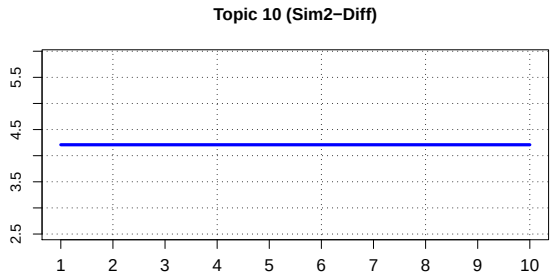
"buffer buffer", {*page buffer index gist ptr stack blkno state tupl rdata parent*}

Best matching topic evolution (Topic distance = 1.061, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.85	1981	hashovfl.c	src.backend.access.hash
10	0.76	560	hashinsert.c	src.backend.access.hash
10	0.74	2070	hashpage.c	src.backend.access.hash
10	0.56	859	hashsearch.c	src.backend.access.hash
5	0.85	1981	hashovfl.c	src.backend.access.hash
5	0.76	560	hashinsert.c	src.backend.access.hash
5	0.74	2070	hashpage.c	src.backend.access.hash
5	0.56	859	hashsearch.c	src.backend.access.hash
1	0.85	1981	hashovfl.c	src.backend.access.hash
1	0.76	560	hashinsert.c	src.backend.access.hash
1	0.74	2070	hashpage.c	src.backend.access.hash
1	0.56	859	hashsearch.c	src.backend.access.hash

"opaqu hash", {*hash page rel bucket buffer metap block hashm buf write relat*}

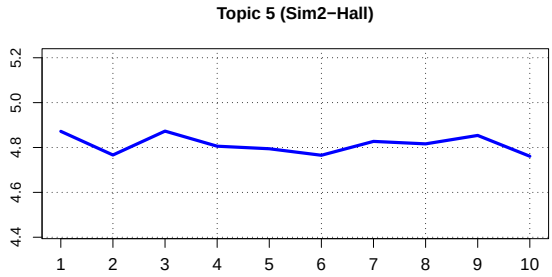
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
5	0.1723	0.0007
3	1.2941	0.0000
19	1.5642	0.0010

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.2941	0.0000
12	2.6791	0.0000
7	2.5857	0.0002

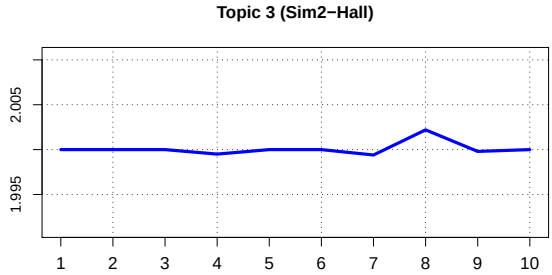
Best matching topic (Topic distance = 0.172, Evolution distance = 0.0007):



V	θ	Size	File	Package
3	1.00	560	hashinsert.c	src.backend.access.hash
3	1.00	1981	hashovfl.c	src.backend.access.hash
3	1.00	2070	hashpage.c	src.backend.access.hash
3	0.57	859	hashsearch.c	src.backend.access.hash
4	1.00	560	hashinsert.c	src.backend.access.hash
4	1.00	1981	hashovfl.c	src.backend.access.hash
4	1.00	2070	hashpage.c	src.backend.access.hash
4	0.56	354	hashutil.c	src.backend.access.hash
10	1.00	560	hashinsert.c	src.backend.access.hash
10	1.00	1981	hashovfl.c	src.backend.access.hash
10	1.00	2070	hashpage.c	src.backend.access.hash
10	0.58	354	hashutil.c	src.backend.access.hash

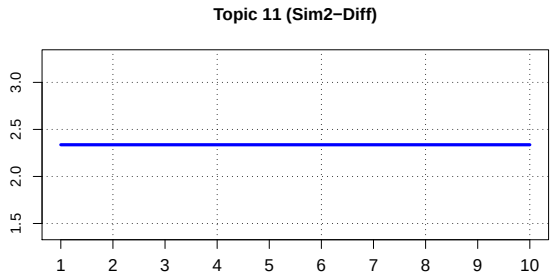
"corrupt errmsg", {*hash page bucket rel buffer lock metap block hashm write buf*}

Best matching topic evolution (Topic distance = 1.294, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.73	3305	nbtsearch.c	src.backend.access.nbtree
10	0.72	2428	nbtutils.c	src.backend.access.nbtree
10	0.33	2308	nbtree.c	src.backend.access.nbtree
10	0.29	859	hashsearch.c	src.backend.access.hash
5	0.73	3305	nbtsearch.c	src.backend.access.nbtree
5	0.72	2428	nbtutils.c	src.backend.access.nbtree
5	0.33	2308	nbtree.c	src.backend.access.nbtree
5	0.29	859	hashsearch.c	src.backend.access.hash
1	0.73	3305	nbtsearch.c	src.backend.access.nbtree
1	0.72	2428	nbtutils.c	src.backend.access.nbtree
1	0.33	2308	nbtree.c	src.backend.access.nbtree
1	0.29	859	hashsearch.c	src.backend.access.hash

"btree vacuum", {*scan kei page item index opaqu buf curr offnum rel scankei*}

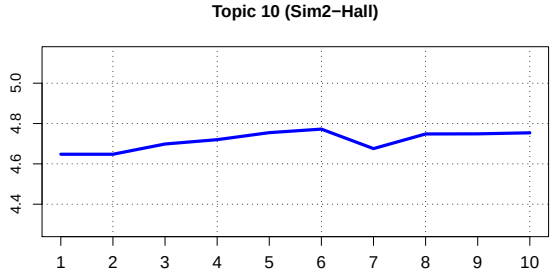
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
10	0.4227	0.0009
15	0.8227	0.0002
19	1.0222	0.0010

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.1701	0.0000
12	2.5290	0.0000
7	2.2484	0.0002

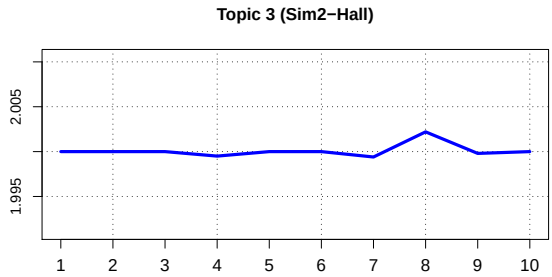
Best matching topic (Topic distance = 0.423, Evolution distance = 0.0009):



V	θ	Size	File	Package
6	1.00	3305	nbtsearch.c	src.backend.access.nbtree
6	0.86	401	gistscan.c	src.backend.access.gist
6	0.75	983	gistget.c	src.backend.access.gist
6	0.73	677	ginscan.c	src.backend.access.gin
4	1.00	3305	nbtsearch.c	src.backend.access.nbtree
4	0.87	401	gistscan.c	src.backend.access.gist
4	0.74	677	ginscan.c	src.backend.access.gin
4	0.73	983	gistget.c	src.backend.access.gist
1	1.00	3305	nbtsearch.c	src.backend.access.nbtree
1	0.84	401	gistscan.c	src.backend.access.gist
1	0.75	677	ginscan.c	src.backend.access.gin
1	0.71	983	gistget.c	src.backend.access.gist

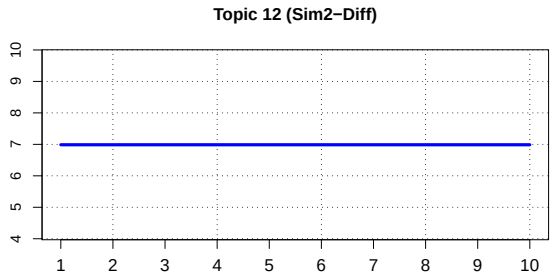
"scan opaqu", {*scan kei page item opaqu buffer index entri offset buf cur*}

Best matching topic evolution (Topic distance = 1.170, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.87	220	scankey.c	src.backend.access.common
10	0.80	1404	indexam.c	src.backend.access.index
10	0.79	677	ginscan.c	src.backend.access.gin
10	0.78	544	genam.c	src.backend.access.index
5	0.87	220	scankey.c	src.backend.access.common
5	0.80	1404	indexam.c	src.backend.access.index
5	0.79	677	ginscan.c	src.backend.access.gin
5	0.78	544	genam.c	src.backend.access.index
1	0.87	220	scankey.c	src.backend.access.common
1	0.80	1404	indexam.c	src.backend.access.index
1	0.79	677	ginscan.c	src.backend.access.gin
1	0.78	544	genam.c	src.backend.access.index

"scan kei", {*scan index kei relat entri datum desc opaqu tupl info heap*}

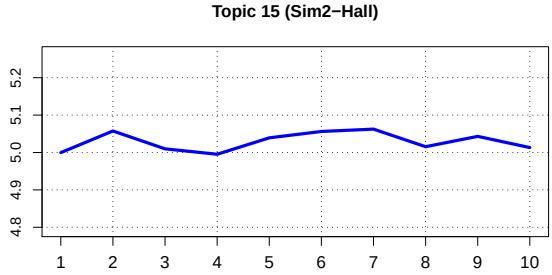
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
15	0.6326	0.0002
10	1.0465	0.0009
19	1.3556	0.0010

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.0653	0.0000
12	2.4915	0.0000
7	2.4499	0.0002

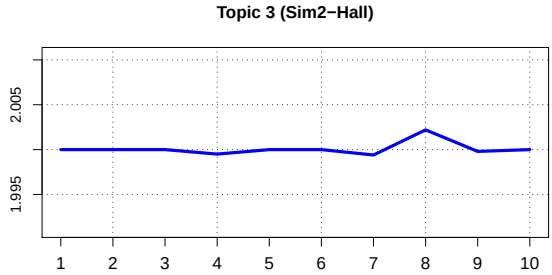
Best matching topic (Topic distance = 0.633, Evolution distance = 0.0002):



V	θ	Size	File	Package
7	1.00	220	scankey.c	src.backend.access.common
7	1.00	544	genam.c	src.backend.access.index
7	1.00	1404	indexam.c	src.backend.access.index
7	0.83	2428	nbtutils.c	src.backend.access.nbtree
8	1.00	220	scankey.c	src.backend.access.common
8	1.00	544	genam.c	src.backend.access.index
8	1.00	1404	indexam.c	src.backend.access.index
8	0.83	2428	nbtutils.c	src.backend.access.nbtree
4	1.00	220	scankey.c	src.backend.access.common
4	1.00	544	genam.c	src.backend.access.index
4	1.00	1404	indexam.c	src.backend.access.index
4	0.82	2428	nbtutils.c	src.backend.access.nbtree

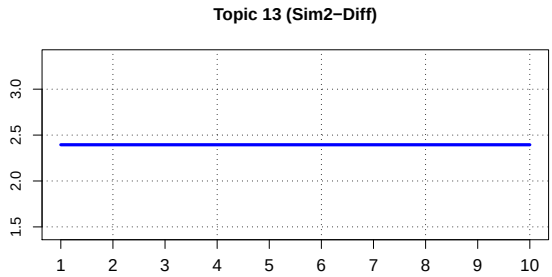
"scan list", {*scan index kei relat tupl datum info lock procedur heap vacuum*}

Best matching topic evolution (Topic distance = 2.065, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.91	609	transam.c	src.backend.access.transam
10	0.72	1105	varsup.c	src.backend.access.transam
10	0.42	757	subtrans.c	src.backend.access.transam
10	0.15	1126	clog.c	src.backend.access.transam
5	0.91	609	transam.c	src.backend.access.transam
5	0.72	1105	varsup.c	src.backend.access.transam
5	0.42	757	subtrans.c	src.backend.access.transam
5	0.15	1126	clog.c	src.backend.access.transam
1	0.91	609	transam.c	src.backend.access.transam
1	0.72	1105	varsup.c	src.backend.access.transam
1	0.42	757	subtrans.c	src.backend.access.transam
1	0.15	1126	clog.c	src.backend.access.transam

"shmem variabl", {*transact xid subtran commit statu variabl limit shmem cach parent tran*}

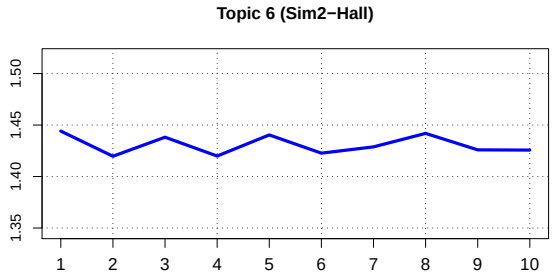
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
6	1.0163	0.0004
17	1.3002	0.1175
1	1.9656	0.1237

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.6247	0.0000
12	2.1117	0.0000
7	3.3475	0.0002

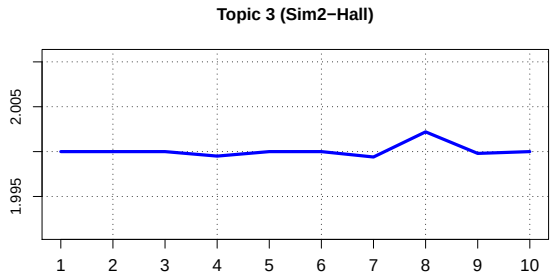
Best matching topic (Topic distance = 1.016, Evolution distance = 0.0004):



V	θ	Size	File	Package
1	1.00	1105	varsup.c	src.backend.access.transam
1	0.42	861	hio.c	src.backend.access.heap
1	0.02	1198	xlogutils.c	src.backend.access.transam
1	NA	NA	NA	NA
9	1.00	1105	varsup.c	src.backend.access.transam
9	0.40	861	hio.c	src.backend.access.heap
9	0.03	1198	xlogutils.c	src.backend.access.transam
9	NA	NA	NA	NA
2	1.00	1105	varsup.c	src.backend.access.transam
2	0.40	861	hio.c	src.backend.access.heap
2	0.02	1198	xlogutils.c	src.backend.access.transam
2	NA	NA	NA	NA

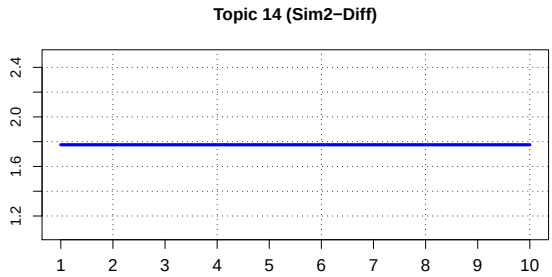
"free space", {*xid limit transact cach oid variabl shmem lock block space free*}

Best matching topic evolution (Topic distance = 2.625, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.98	1363	gistsplit.c	src.backend.access.gist
10	0.65	1210	gistutil.c	src.backend.access.gist
10	0.10	2761	gist.c	src.backend.access.gist
10	0.03	983	gistget.c	src.backend.access.gist
5	0.98	1363	gistsplit.c	src.backend.access.gist
5	0.65	1210	gistutil.c	src.backend.access.gist
5	0.10	2761	gist.c	src.backend.access.gist
5	0.03	983	gistget.c	src.backend.access.gist
1	0.98	1363	gistsplit.c	src.backend.access.gist
1	0.65	1210	gistutil.c	src.backend.access.gist
1	0.10	2761	gist.c	src.backend.access.gist
1	0.03	983	gistget.c	src.backend.access.gist

"att natt", {*spl giststat split vector tupl offset attno len gist index entri*}

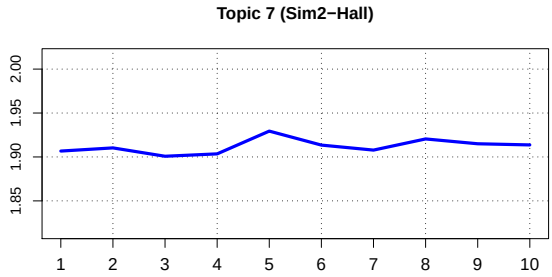
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
7	0.0784	0.0002
18	1.9323	0.0041
19	1.9660	0.0010

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.0039	0.0000
12	2.7832	0.0000
7	0.0784	0.0002

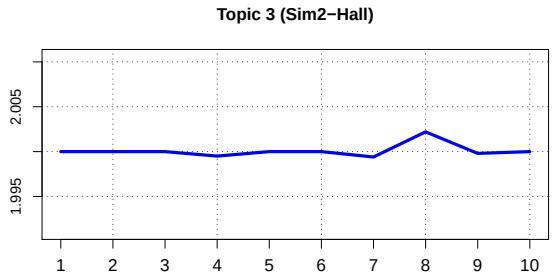
Best matching topic (Topic distance = 0.078, Evolution distance = 0.0002):



V	θ	Size	File	Package
5	1.00	1363	gistsplit.c	src.backend.access.gist
5	0.86	1210	gistutil.c	src.backend.access.gist
5	0.07	2761	gist.c	src.backend.access.gist
5	NA	NA	NA	NA
2	1.00	1363	gistsplit.c	src.backend.access.gist
2	0.84	1210	gistutil.c	src.backend.access.gist
2	0.07	2761	gist.c	src.backend.access.gist
2	NA	NA	NA	NA
3	1.00	1363	gistsplit.c	src.backend.access.gist
3	0.82	1210	gistutil.c	src.backend.access.gist
3	0.08	2761	gist.c	src.backend.access.gist
3	NA	NA	NA	NA

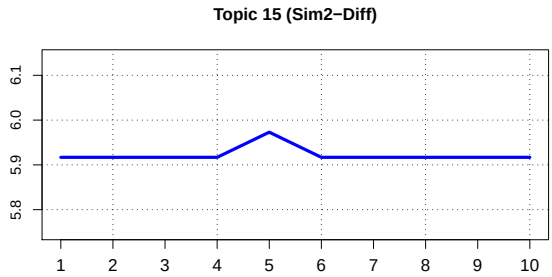
"spl nleft", {*spl giststat split tupl vector attno offset index len gist page*}

Best matching topic evolution (Topic distance = 2.004, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}

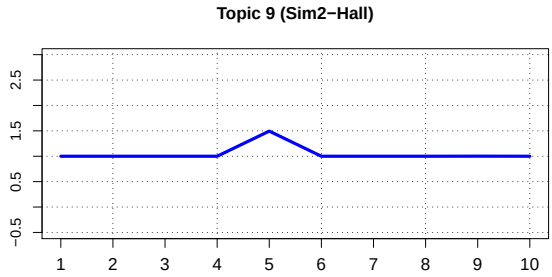
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
9	1.5593	0.1918
6	1.7034	0.0003
12	1.8137	0.0001

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.0546	0.0001
7	2.7512	0.0001
12	1.8137	0.0001

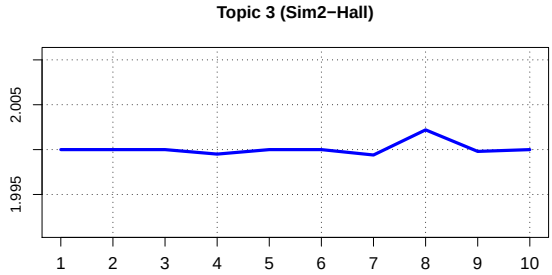
Best matching topic (Topic distance = 1.559, Evolution distance = 0.1918):



V	θ	Size	File	Package
5	1.00	18415	xlog.c	src.backend.access.transam
5	0.37	748	localtime.c	src.timezone
5	0.13	350	strftime.c	src.timezone
5	NA	NA	NA	NA
4	1.00	18415	xlog.c	src.backend.access.transam
4	NA	NA	NA	NA
4	NA	NA	NA	NA
4	NA	NA	NA	NA
1	1.00	18415	xlog.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA
1	NA	NA	NA	NA

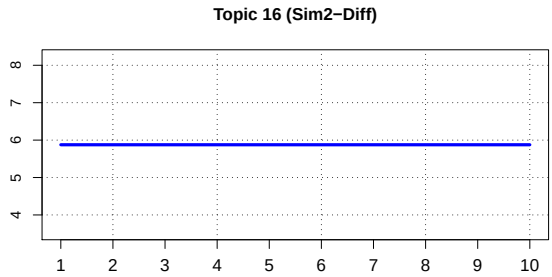
"standard time", {*file xlog record log write ptr control rec page read check*}

Best matching topic evolution (Topic distance = 2.055, Evolution distance = 0.0001):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.99	1593	gindatapage.c	src.backend.access.gin
10	0.99	1515	ginentrypage.c	src.backend.access.gin
10	0.91	527	ginbulk.c	src.backend.access.gin
10	0.55	1068	ginget.c	src.backend.access.gin
5	0.99	1593	gindatapage.c	src.backend.access.gin
5	0.99	1515	ginentrypage.c	src.backend.access.gin
5	0.91	527	ginbulk.c	src.backend.access.gin
5	0.55	1068	ginget.c	src.backend.access.gin
1	0.99	1593	gindatapage.c	src.backend.access.gin
1	0.99	1515	ginentrypage.c	src.backend.access.gin
1	0.91	527	ginbulk.c	src.backend.access.gin
1	0.55	1068	ginget.c	src.backend.access.gin

"post tree", {*page gin item btree entri buffer offset post itup index block*}

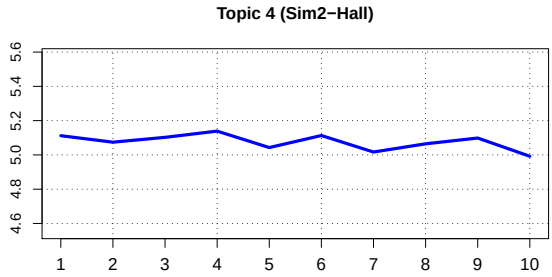
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
4	0.0522	0.0008
13	1.1613	0.0019
3	1.2401	0.0000

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	1.2401	0.0000
12	2.4503	0.0000
7	2.0602	0.0002

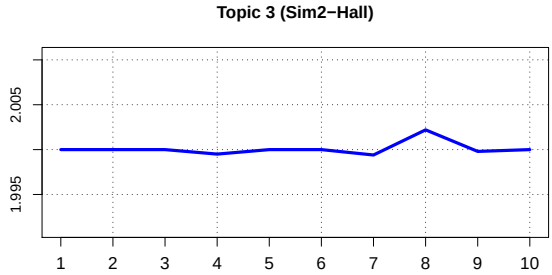
Best matching topic (Topic distance = 0.052, Evolution distance = 0.0008):



V	θ	Size	File	Package
4	1.00	1593	gindatapage.c	src.backend.access.gin
4	1.00	1515	ginentrypage.c	src.backend.access.gin
4	0.64	1009	gininsert.c	src.backend.access.gin
4	0.44	1827	ginxlog.c	src.backend.access.gin
2	1.00	1593	gindatapage.c	src.backend.access.gin
2	1.00	1515	ginentrypage.c	src.backend.access.gin
2	0.65	1009	gininsert.c	src.backend.access.gin
2	0.43	1827	ginxlog.c	src.backend.access.gin
10	1.00	1593	gindatapage.c	src.backend.access.gin
10	1.00	1515	ginentrypage.c	src.backend.access.gin
10	0.64	1009	gininsert.c	src.backend.access.gin
10	0.44	1827	ginxlog.c	src.backend.access.gin

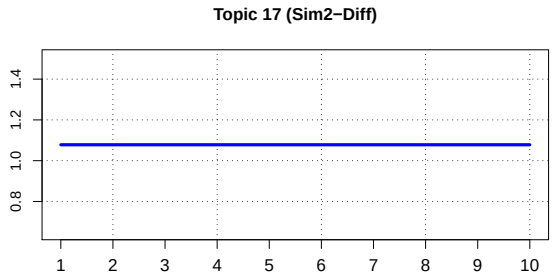
"post tree", {*gin page item btree buffer entri offset index post itup block*}

Best matching topic evolution (Topic distance = 1.240, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.83	5125	multixact.c	src.backend.access.transam
10	0.09	1126	clog.c	src.backend.access.transam
10	0.08	757	subtrans.c	src.backend.access.transam
10	0.07	122	rmgr.c	src.backend.access.transam
5	0.83	5125	multixact.c	src.backend.access.transam
5	0.09	1126	clog.c	src.backend.access.transam
5	0.08	757	subtrans.c	src.backend.access.transam
5	0.07	122	rmgr.c	src.backend.access.transam
1	0.83	5125	multixact.c	src.backend.access.transam
1	0.09	1126	clog.c	src.backend.access.transam
1	0.08	757	subtrans.c	src.backend.access.transam
1	0.07	122	rmgr.c	src.backend.access.transam

"multi xact", {*multi xact offset member page mxact transact xid debug oldest pageno*}

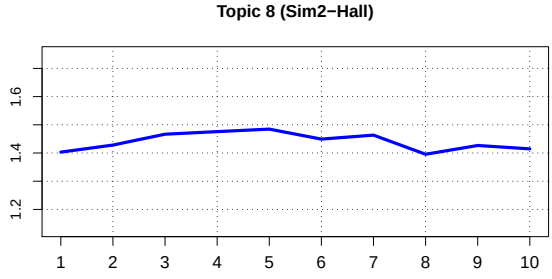
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
8	0.1516	0.0043
14	1.3498	0.0011
9	1.7864	0.1997

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.0351	0.0000
12	1.9172	0.0000
7	2.9334	0.0002

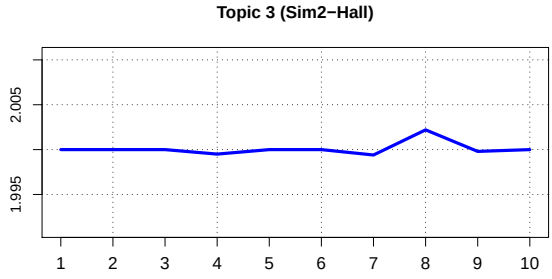
Best matching topic (Topic distance = 0.152, Evolution distance = 0.0043):



V	θ	Size	File	Package
5	1.00	5125	multixact.c	src.backend.access.transam
5	0.17	757	subtrans.c	src.backend.access.transam
5	0.16	1126	clog.c	src.backend.access.transam
5	0.08	122	rmgr.c	src.backend.access.transam
2	1.00	5125	multixact.c	src.backend.access.transam
2	0.17	757	subtrans.c	src.backend.access.transam
2	0.14	1126	clog.c	src.backend.access.transam
2	0.11	122	rmgr.c	src.backend.access.transam
8	1.00	5125	multixact.c	src.backend.access.transam
8	0.17	757	subtrans.c	src.backend.access.transam
8	0.14	1126	clog.c	src.backend.access.transam
8	0.09	122	rmgr.c	src.backend.access.transam

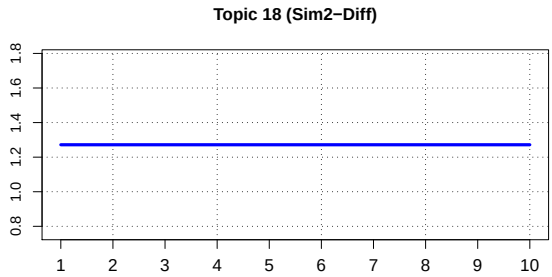
"oldest xact", {*multi xact offset member page mxact xid transact oldest lock debug*}

Best matching topic evolution (Topic distance = 2.035, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.86	9349	xact.c	src.backend.access.transam
10	0.27	82	twophase_rmgr.c	src.backend.access.transam
10	0.11	217	hashscan.c	src.backend.access.hash
10	0.03	4255	twophase.c	src.backend.access.transam
5	0.86	9349	xact.c	src.backend.access.transam
5	0.27	82	twophase_rmgr.c	src.backend.access.transam
5	0.11	217	hashscan.c	src.backend.access.hash
5	0.03	4255	twophase.c	src.backend.access.transam
1	0.86	9349	xact.c	src.backend.access.transam
1	0.27	82	twophase_rmgr.c	src.backend.access.transam
1	0.11	217	hashscan.c	src.backend.access.hash
1	0.03	4255	twophase.c	src.backend.access.transam

"current transact state", {*transact state tblock abort case block xact commit current context owner*}

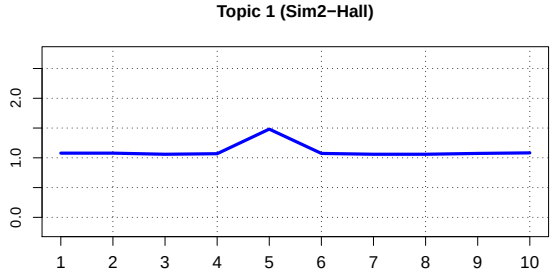
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
1	0.0796	0.1237
12	1.4852	0.0000
17	1.7139	0.1175

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.1380	0.0000
12	1.4852	0.0000
7	3.1854	0.0002

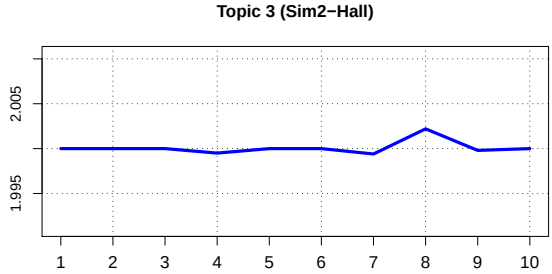
Best matching topic (Topic distance = 0.080, Evolution distance = 0.1237):



V	θ	Size	File	Package
5	1.00	9349	xact.c	src.backend.access.transam
5	0.35	350	strftime.c	src.timezone
5	0.07	217	hashscan.c	src.backend.access.hash
5	0.06	748	localtime.c	src.timezone
6	1.00	9349	xact.c	src.backend.access.transam
6	0.07	217	hashscan.c	src.backend.access.hash
6	NA	NA	NA	NA
6	NA	NA	NA	NA
3	1.00	9349	xact.c	src.backend.access.transam
3	0.06	217	hashscan.c	src.backend.access.hash
3	NA	NA	NA	NA
3	NA	NA	NA	NA

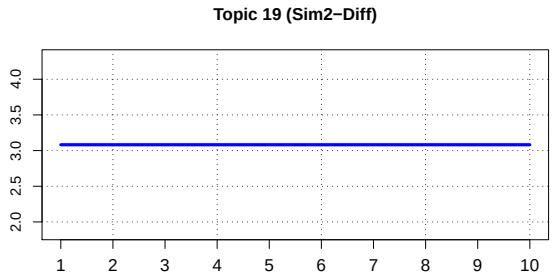
"resourc owner", {*transact state tblock abort case block xact commit current context owner*}

Best matching topic evolution (Topic distance = 2.138, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.91	3533	heaptuple.c	src.backend.access.common
10	0.87	2943	tuptoaster.c	src.backend.access.heap
10	0.85	640	indextuple.c	src.backend.access.common
10	0.17	122	rmgr.c	src.backend.access.transam
5	0.91	3533	heaptuple.c	src.backend.access.common
5	0.87	2943	tuptoaster.c	src.backend.access.heap
5	0.85	640	indextuple.c	src.backend.access.common
5	0.17	122	rmgr.c	src.backend.access.transam
1	0.91	3533	heaptuple.c	src.backend.access.common
1	0.87	2943	tuptoaster.c	src.backend.access.heap
1	0.85	640	indextuple.c	src.backend.access.common
1	0.17	122	rmgr.c	src.backend.access.transam

"att tupl desc", {*tupl heap toast attribut datum att valu attnum size attr isnul*}

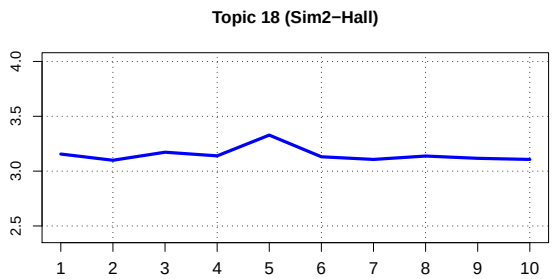
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
18	0.0663	0.0041
11	1.5791	0.0419
15	1.9515	0.0002

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.4008	0.0000
12	2.5709	0.0000
7	2.2825	0.0002

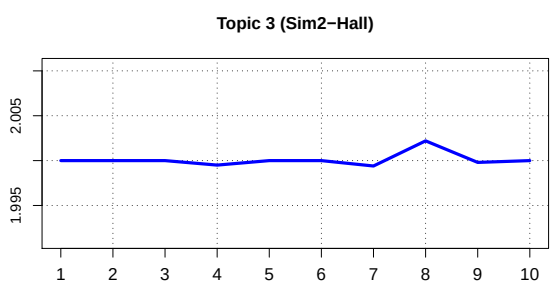
Best matching topic (Topic distance = 0.066, Evolution distance = 0.0041):



V	θ	Size	File	Package
5	1.00	3533	heaptuple.c	src.backend.access.common
5	1.00	640	indextuple.c	src.backend.access.common
5	1.00	2943	tuptoaster.c	src.backend.access.heap
5	0.16	748	localtime.c	src.timezone
6	1.00	640	indextuple.c	src.backend.access.common
6	1.00	2943	tuptoaster.c	src.backend.access.heap
6	1.00	3533	heaptuple.c	src.backend.access.common
6	0.13	122	rmgr.c	src.backend.access.transam
2	1.00	3533	heaptuple.c	src.backend.access.common
2	1.00	640	indextuple.c	src.backend.access.common
2	1.00	2943	tuptoaster.c	src.backend.access.heap
2	0.10	122	rmgr.c	src.backend.access.transam

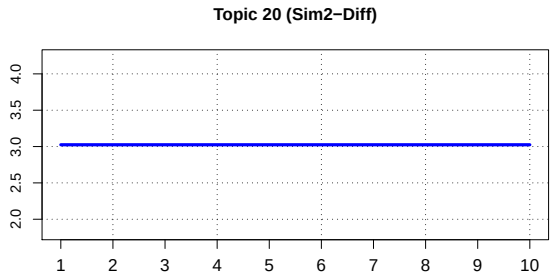
"heap heap", {*tupl heap toast attribut datum att valu size attnum desc attr*}

Best matching topic evolution (Topic distance = 2.401, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}



V	θ	Size	File	Package
10	0.95	1224	printtup.c	src.backend.access.common
10	0.85	1335	tupdesc.c	src.backend.access.common
10	0.74	619	reloptions.c	src.backend.access.common
10	0.19	150	ginarrayproc.c	src.backend.access.gin
5	0.95	1224	printtup.c	src.backend.access.common
5	0.85	1335	tupdesc.c	src.backend.access.common
5	0.74	619	reloptions.c	src.backend.access.common
5	0.19	150	ginarrayproc.c	src.backend.access.gin
1	0.95	1224	printtup.c	src.backend.access.common
1	0.85	1335	tupdesc.c	src.backend.access.common
1	0.74	619	reloptions.c	src.backend.access.common
1	0.19	150	ginarrayproc.c	src.backend.access.gin

"text str", {*attr desc tupl constr tupdesc printtup state natt attribut check datum*}

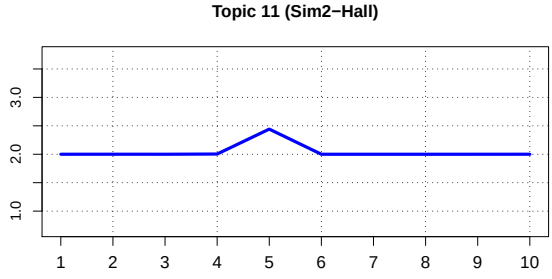
Top 3 matching topics in Sim2-Hall:

Topic	Dist.	EvoDist.
11	0.1611	0.0419
18	1.5281	0.0041
17	2.1827	0.1175

Top 3 matching topic evolutions in Sim2-Hall:

Topic	Dist.	EvoDist.
3	2.5481	0.0000
12	2.3364	0.0000
7	2.6879	0.0002

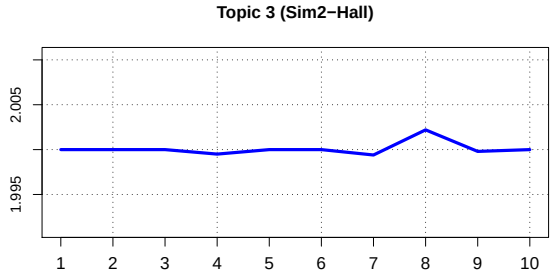
Best matching topic (Topic distance = 0.161, Evolution distance = 0.0419):



V	θ	Size	File	Package
5	1.00	1224	printtup.c	src.backend.access.common
5	1.00	1335	tupdesc.c	src.backend.access.common
5	0.33	27	scheck.c	src.timezone
5	0.11	350	strftime.c	src.timezone
8	1.00	1224	printtup.c	src.backend.access.common
8	1.00	1335	tupdesc.c	src.backend.access.common
8	NA	NA	NA	NA
8	NA	NA	NA	NA
1	1.00	1224	printtup.c	src.backend.access.common
1	1.00	1335	tupdesc.c	src.backend.access.common
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"format format", {*desc tupl attr constr printtup tupdesc state check attribut natt type*}

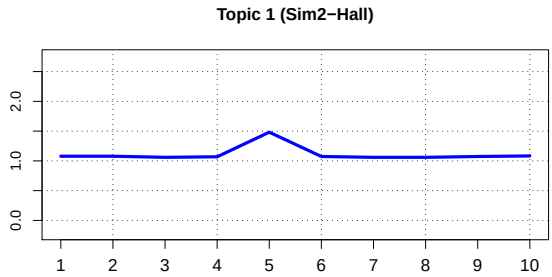
Best matching topic evolution (Topic distance = 2.548, Evolution distance = 0.0000):



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}

4.2 Hall



V	θ	Size	File	Package
5	1.00	9349	xact.c	src.backend.access.transam
5	0.35	350	strftime.c	src.timezone
5	0.07	217	hashscan.c	src.backend.access.hash
5	0.06	748	localtime.c	src.timezone
6	1.00	9349	xact.c	src.backend.access.transam
6	0.07	217	hashscan.c	src.backend.access.hash
6	NA	NA	NA	NA
6	NA	NA	NA	NA
3	1.00	9349	xact.c	src.backend.access.transam
3	0.06	217	hashscan.c	src.backend.access.hash
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"resourc owner", {*transact state tblock abort case block xact commit current context owner*}

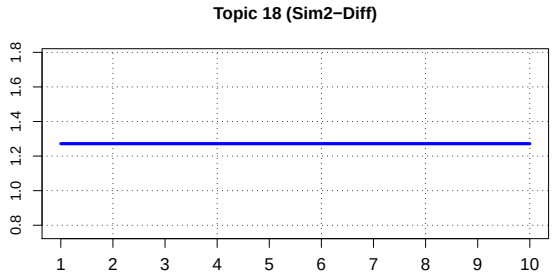
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
18	0.0401	0.1237
15	1.2737	0.1174
3	1.4471	0.1237

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.2737	0.1174
3	1.4471	0.1237
2	2.0709	0.1237

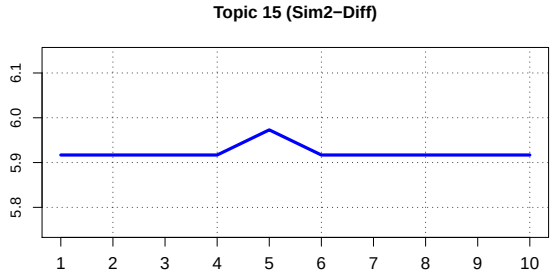
Best matching topic (Topic distance = 0.040, Evolution distance = 0.1237):



V	θ	Size	File	Package
10	0.86	9349	xact.c	src.backend.access.transam
10	0.27	82	twophase_rmgr.c	src.backend.access.transam
10	0.11	217	hashscan.c	src.backend.access.hash
10	0.03	4255	twophase.c	src.backend.access.transam
5	0.86	9349	xact.c	src.backend.access.transam
5	0.27	82	twophase_rmgr.c	src.backend.access.transam
5	0.11	217	hashscan.c	src.backend.access.hash
5	0.03	4255	twophase.c	src.backend.access.transam
1	0.86	9349	xact.c	src.backend.access.transam
1	0.27	82	twophase_rmgr.c	src.backend.access.transam
1	0.11	217	hashscan.c	src.backend.access.hash
1	0.03	4255	twophase.c	src.backend.access.transam

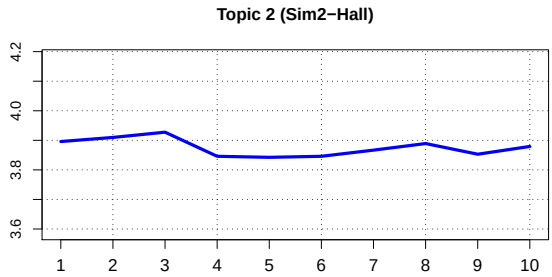
"current transact state", {*transact state tblock abort case block xact commit current context owner*}

Best matching topic evolution (Topic distance = 1.274, Evolution distance = 0.1174):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
3	1.00	1721	gistproc.c	src.backend.access.gist
3	1.00	419	hashfunc.c	src.backend.access.hash
3	1.00	166	nbtcompare.c	src.backend.access.nbtree
3	0.61	150	ginarrayproc.c	src.backend.access.gin
7	1.00	1721	gistproc.c	src.backend.access.gist
7	1.00	419	hashfunc.c	src.backend.access.hash
7	1.00	166	nbtcompare.c	src.backend.access.nbtree
7	0.58	150	ginarrayproc.c	src.backend.access.gin
5	1.00	1721	gistproc.c	src.backend.access.gist
5	1.00	419	hashfunc.c	src.backend.access.hash
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.56	150	ginarrayproc.c	src.backend.access.gin

"uniqu datum", {*datum box kei function getarg strategi high low queri arg entri*}

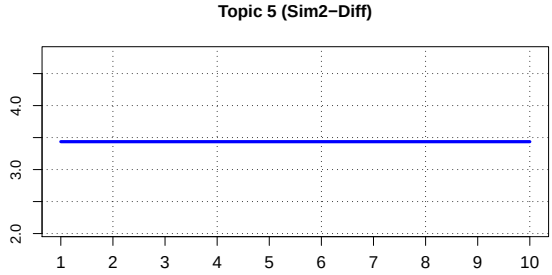
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
5	0.3262	0.0005
14	1.8873	0.0005
15	2.1992	0.0008

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
5	0.3262	0.0005
14	1.8873	0.0005
11	2.2448	0.0005

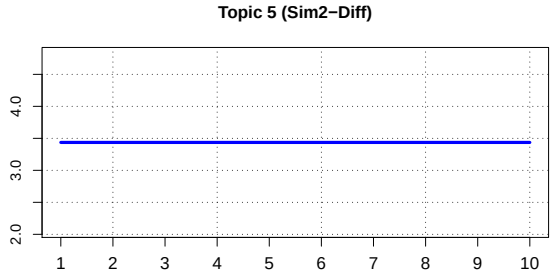
Best matching topic (Topic distance = 0.326, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.98	1721	gistproc.c	src.backend.access.gist
10	0.65	419	hashfunc.c	src.backend.access.hash
10	0.52	150	ginarrayproc.c	src.backend.access.gin
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.98	1721	gistproc.c	src.backend.access.gist
5	0.65	419	hashfunc.c	src.backend.access.hash
5	0.52	150	ginarrayproc.c	src.backend.access.gin
1	1.00	166	nbtcompare.c	src.backend.access.nbtree
1	0.98	1721	gistproc.c	src.backend.access.gist
1	0.65	419	hashfunc.c	src.backend.access.hash
1	0.52	150	ginarrayproc.c	src.backend.access.gin

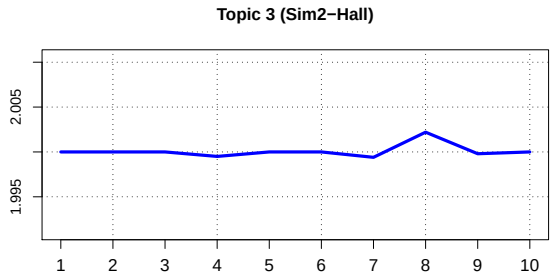
"wstate btw", {*box datum kei function getarg strategi high low queri wstate spl*}

Best matching topic evolution (Topic distance = 0.326, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	1.00	166	nbtcompare.c	src.backend.access.nbtree
10	0.98	1721	gistproc.c	src.backend.access.gist
10	0.65	419	hashfunc.c	src.backend.access.hash
10	0.52	150	ginarrayproc.c	src.backend.access.gin
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.98	1721	gistproc.c	src.backend.access.gist
5	0.65	419	hashfunc.c	src.backend.access.hash
5	0.52	150	ginarrayproc.c	src.backend.access.gin
1	1.00	166	nbtcompare.c	src.backend.access.nbtree
1	0.98	1721	gistproc.c	src.backend.access.gist
1	0.65	419	hashfunc.c	src.backend.access.hash
1	0.52	150	ginarrayproc.c	src.backend.access.gin

"wstate btw", {*box datum kei function getarg strategi high low queri wstate spl*}



V	θ	Size	File	Package
8	1.00	4356	nbtinsert.c	src.backend.access.nbtree
8	1.00	3244	nbtpage.c	src.backend.access.nbtree
8	NA	NA	NA	NA
8	NA	NA	NA	NA
2	1.00	4356	nbtinsert.c	src.backend.access.nbtree
2	1.00	3244	nbtpage.c	src.backend.access.nbtree
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	4356	nbtinsert.c	src.backend.access.nbtree
7	1.00	3244	nbtpage.c	src.backend.access.nbtree
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"nbtree transam miscadmin", {*page buffer rel item opaqu lock root buf offset split index*}

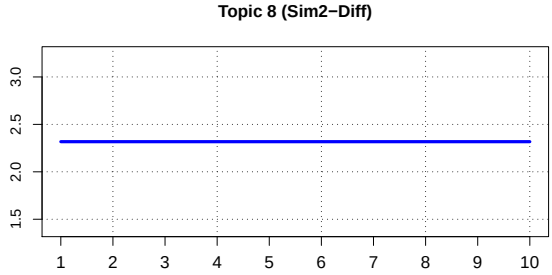
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
8	0.1244	0.0000
9	0.9093	0.0000
15	1.0865	0.0001

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
11	1.1305	0.0000
2	1.2681	0.0000
10	1.7205	0.0000

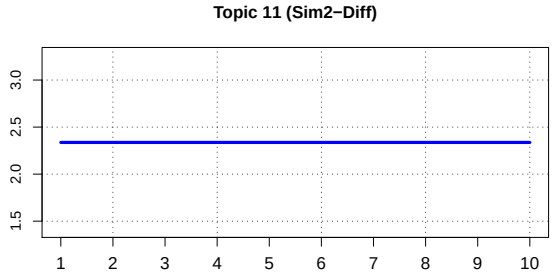
Best matching topic (Topic distance = 0.124, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.77	3244	nbtpage.c	src.backend.access.nbtree
10	0.72	4356	nbtinsert.c	src.backend.access.nbtree
10	0.34	1751	nbtsort.c	src.backend.access.nbtree
10	0.34	2387	nbtxlog.c	src.backend.access.nbtree
5	0.77	3244	nbtpage.c	src.backend.access.nbtree
5	0.72	4356	nbtinsert.c	src.backend.access.nbtree
5	0.34	1751	nbtsort.c	src.backend.access.nbtree
5	0.34	2387	nbtxlog.c	src.backend.access.nbtree
1	0.77	3244	nbtpage.c	src.backend.access.nbtree
1	0.72	4356	nbtinsert.c	src.backend.access.nbtree
1	0.34	1751	nbtsort.c	src.backend.access.nbtree
1	0.34	2387	nbtxlog.c	src.backend.access.nbtree

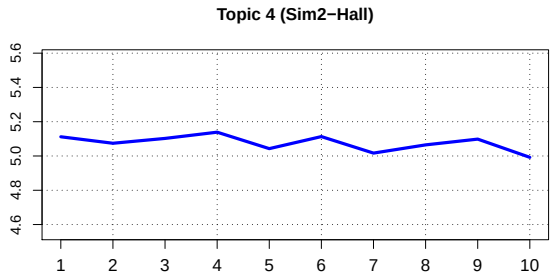
"page page", {*page buffer item rel opaqu btree btpo root split btpage index*}

Best matching topic evolution (Topic distance = 1.130, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.73	3305	nbtsearch.c	src.backend.access.nbtree
10	0.72	2428	nbtutils.c	src.backend.access.nbtree
10	0.33	2308	nbtree.c	src.backend.access.nbtree
10	0.29	859	hashsearch.c	src.backend.access.hash
5	0.73	3305	nbtsearch.c	src.backend.access.nbtree
5	0.72	2428	nbtutils.c	src.backend.access.nbtree
5	0.33	2308	nbtree.c	src.backend.access.nbtree
5	0.29	859	hashsearch.c	src.backend.access.hash
1	0.73	3305	nbtsearch.c	src.backend.access.nbtree
1	0.72	2428	nbtutils.c	src.backend.access.nbtree
1	0.33	2308	nbtree.c	src.backend.access.nbtree
1	0.29	859	hashsearch.c	src.backend.access.hash

"btree vacuum", {*scan kei page item index opaqu buf curr offnum rel scankei*}



V	θ	Size	File	Package
4	1.00	1593	gindatapage.c	src.backend.access.gin
4	1.00	1515	ginentrypage.c	src.backend.access.gin
4	0.64	1009	gininsert.c	src.backend.access.gin
4	0.44	1827	ginxlog.c	src.backend.access.gin
2	1.00	1593	gindatapage.c	src.backend.access.gin
2	1.00	1515	ginentrypage.c	src.backend.access.gin
2	0.65	1009	gininsert.c	src.backend.access.gin
2	0.43	1827	ginxlog.c	src.backend.access.gin
10	1.00	1593	gindatapage.c	src.backend.access.gin
10	1.00	1515	ginentrypage.c	src.backend.access.gin
10	0.64	1009	gininsert.c	src.backend.access.gin
10	0.44	1827	ginxlog.c	src.backend.access.gin

"post tree", {*gin page item btree buffer entri offset index post itup block*}

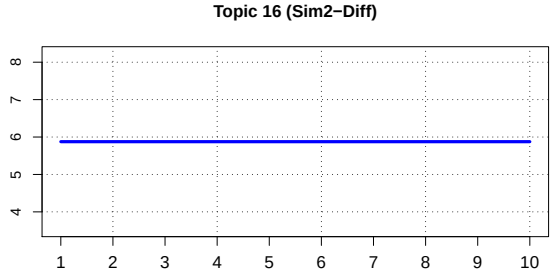
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
16	0.0637	0.0008
9	1.1091	0.0008
8	1.3161	0.0008

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
16	0.0637	0.0008
9	1.1091	0.0008
8	1.3161	0.0008

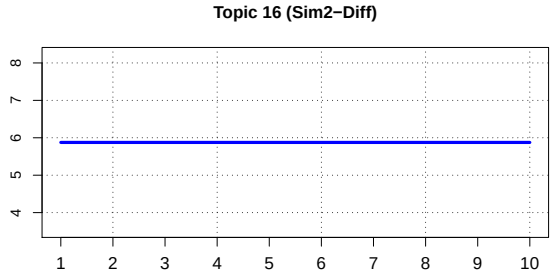
Best matching topic (Topic distance = 0.064, Evolution distance = 0.0008):



V	θ	Size	File	Package
10	0.99	1593	gindatapage.c	src.backend.access.gin
10	0.99	1515	ginentrypage.c	src.backend.access.gin
10	0.91	527	ginbulk.c	src.backend.access.gin
10	0.55	1068	ginget.c	src.backend.access.gin
5	0.99	1593	gindatapage.c	src.backend.access.gin
5	0.99	1515	ginentrypage.c	src.backend.access.gin
5	0.91	527	ginbulk.c	src.backend.access.gin
5	0.55	1068	ginget.c	src.backend.access.gin
1	0.99	1593	gindatapage.c	src.backend.access.gin
1	0.99	1515	ginentrypage.c	src.backend.access.gin
1	0.91	527	ginbulk.c	src.backend.access.gin
1	0.55	1068	ginget.c	src.backend.access.gin

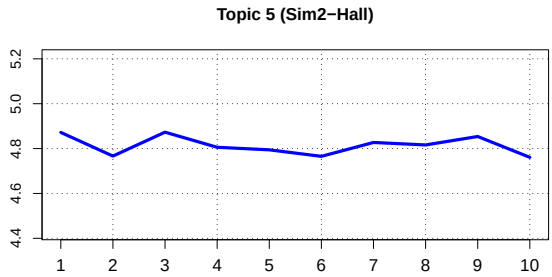
"post tree", {*page gin item btree entri buffer offset post itup index block*}

Best matching topic evolution (Topic distance = 0.064, Evolution distance = 0.0008):



V	θ	Size	File	Package
10	0.99	1593	gindatapage.c	src.backend.access.gin
10	0.99	1515	ginentrypage.c	src.backend.access.gin
10	0.91	527	ginbulk.c	src.backend.access.gin
10	0.55	1068	ginget.c	src.backend.access.gin
5	0.99	1593	gindatapage.c	src.backend.access.gin
5	0.99	1515	ginentrypage.c	src.backend.access.gin
5	0.91	527	ginbulk.c	src.backend.access.gin
5	0.55	1068	ginget.c	src.backend.access.gin
1	0.99	1593	gindatapage.c	src.backend.access.gin
1	0.99	1515	ginentrypage.c	src.backend.access.gin
1	0.91	527	ginbulk.c	src.backend.access.gin
1	0.55	1068	ginget.c	src.backend.access.gin

"post tree", {*page gin item btree entri buffer offset post itup index block*}



V	θ	Size	File	Package
3	1.00	560	hashinsert.c	src.backend.access.hash
3	1.00	1981	hashovfl.c	src.backend.access.hash
3	1.00	2070	hashpage.c	src.backend.access.hash
3	0.57	859	hashsearch.c	src.backend.access.hash
4	1.00	560	hashinsert.c	src.backend.access.hash
4	1.00	1981	hashovfl.c	src.backend.access.hash
4	1.00	2070	hashpage.c	src.backend.access.hash
4	0.56	354	hashutil.c	src.backend.access.hash
10	1.00	560	hashinsert.c	src.backend.access.hash
10	1.00	1981	hashovfl.c	src.backend.access.hash
10	1.00	2070	hashpage.c	src.backend.access.hash
10	0.58	354	hashutil.c	src.backend.access.hash

"corrupt errmsg", {*hash page bucket rel buffer lock metap block hashm write buf*}

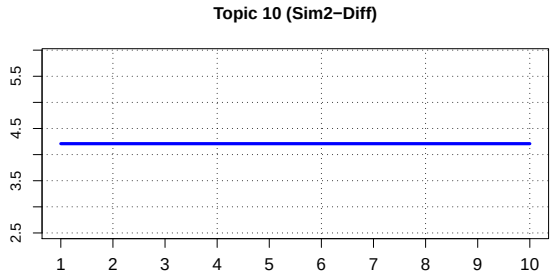
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
10	0.0940	0.0007
15	1.1721	0.0009
8	1.3483	0.0007

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
10	0.0940	0.0007
11	1.7600	0.0007
2	2.0771	0.0007

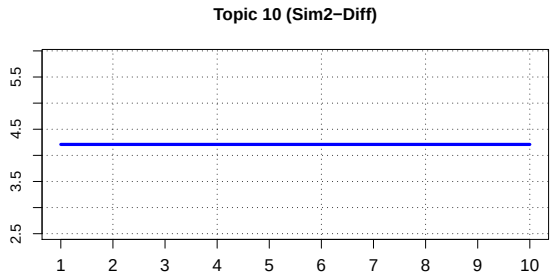
Best matching topic (Topic distance = 0.094, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.85	1981	hashovfl.c	src.backend.access.hash
10	0.76	560	hashinsert.c	src.backend.access.hash
10	0.74	2070	hashpage.c	src.backend.access.hash
10	0.56	859	hashsearch.c	src.backend.access.hash
5	0.85	1981	hashovfl.c	src.backend.access.hash
5	0.76	560	hashinsert.c	src.backend.access.hash
5	0.74	2070	hashpage.c	src.backend.access.hash
5	0.56	859	hashsearch.c	src.backend.access.hash
1	0.85	1981	hashovfl.c	src.backend.access.hash
1	0.76	560	hashinsert.c	src.backend.access.hash
1	0.74	2070	hashpage.c	src.backend.access.hash
1	0.56	859	hashsearch.c	src.backend.access.hash

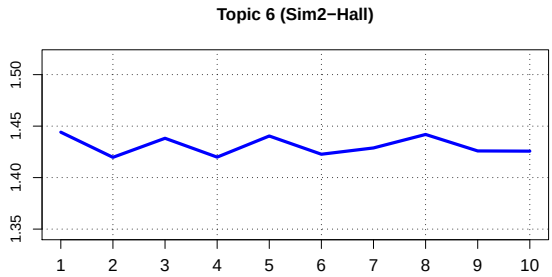
"opaqu hash", {*hash page rel bucket buffer metap block hashm buf write relat*}

Best matching topic evolution (Topic distance = 0.094, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.85	1981	hashovfl.c	src.backend.access.hash
10	0.76	560	hashinsert.c	src.backend.access.hash
10	0.74	2070	hashpage.c	src.backend.access.hash
10	0.56	859	hashsearch.c	src.backend.access.hash
5	0.85	1981	hashovfl.c	src.backend.access.hash
5	0.76	560	hashinsert.c	src.backend.access.hash
5	0.74	2070	hashpage.c	src.backend.access.hash
5	0.56	859	hashsearch.c	src.backend.access.hash
1	0.85	1981	hashovfl.c	src.backend.access.hash
1	0.76	560	hashinsert.c	src.backend.access.hash
1	0.74	2070	hashpage.c	src.backend.access.hash
1	0.56	859	hashsearch.c	src.backend.access.hash

"opaqu hash", {*hash page rel bucket buffer metap block hashm buf write relat*}



V	θ	Size	File	Package
1	1.00	1105	varsup.c	src.backend.access.transam
1	0.42	861	hio.c	src.backend.access.heap
1	0.02	1198	xlogutils.c	src.backend.access.transam
1	NA	NA	NA	NA
9	1.00	1105	varsup.c	src.backend.access.transam
9	0.40	861	hio.c	src.backend.access.heap
9	0.03	1198	xlogutils.c	src.backend.access.transam
9	NA	NA	NA	NA
2	1.00	1105	varsup.c	src.backend.access.transam
2	0.40	861	hio.c	src.backend.access.heap
2	0.02	1198	xlogutils.c	src.backend.access.transam
2	NA	NA	NA	NA

"free space", {*xid limit transact cach oid variabl shmem lock block space free*}

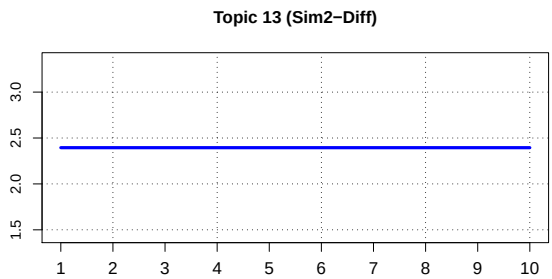
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
13	0.8288	0.0004
15	1.1262	0.0003
18	2.0748	0.0004

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.1262	0.0003
13	0.8288	0.0004
18	2.0748	0.0004

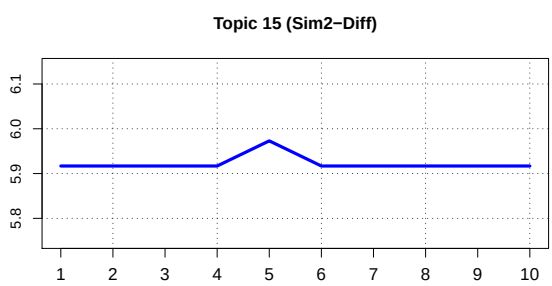
Best matching topic (Topic distance = 0.829, Evolution distance = 0.0004):



V	θ	Size	File	Package
10	0.91	609	transam.c	src.backend.access.transam
10	0.72	1105	varsup.c	src.backend.access.transam
10	0.42	757	subtrans.c	src.backend.access.transam
10	0.15	1126	clog.c	src.backend.access.transam
5	0.91	609	transam.c	src.backend.access.transam
5	0.72	1105	varsup.c	src.backend.access.transam
5	0.42	757	subtrans.c	src.backend.access.transam
5	0.15	1126	clog.c	src.backend.access.transam
1	0.91	609	transam.c	src.backend.access.transam
1	0.72	1105	varsup.c	src.backend.access.transam
1	0.42	757	subtrans.c	src.backend.access.transam
1	0.15	1126	clog.c	src.backend.access.transam

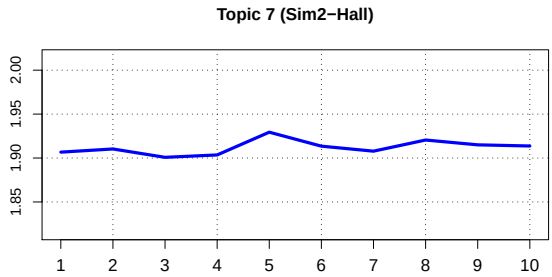
"shmem variabl", {*transact xid subtran commit statu variabl limit shmem cach parent tran*}

Best matching topic evolution (Topic distance = 1.126, Evolution distance = 0.0003):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
5	1.00	1363	gistsplit.c	src.backend.access.gist
5	0.86	1210	gistutil.c	src.backend.access.gist
5	0.07	2761	gist.c	src.backend.access.gist
5	NA	NA	NA	NA
2	1.00	1363	gistsplit.c	src.backend.access.gist
2	0.84	1210	gistutil.c	src.backend.access.gist
2	0.07	2761	gist.c	src.backend.access.gist
2	NA	NA	NA	NA
3	1.00	1363	gistsplit.c	src.backend.access.gist
3	0.82	1210	gistutil.c	src.backend.access.gist
3	0.08	2761	gist.c	src.backend.access.gist
3	NA	NA	NA	NA

"spl nleft", {*spl giststat split tupl vector attno offset index len gist page*}

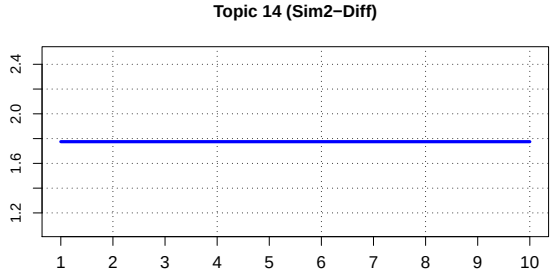
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
14	0.0457	0.0002
15	1.8421	0.0001
19	1.8946	0.0002

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.8421	0.0001
8	1.9976	0.0002
9	2.0788	0.0002

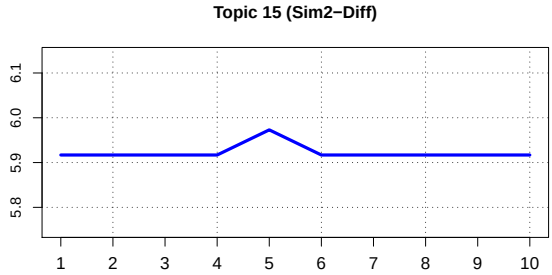
Best matching topic (Topic distance = 0.046, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	0.98	1363	gistsplit.c	src.backend.access.gist
10	0.65	1210	gistutil.c	src.backend.access.gist
10	0.10	2761	gist.c	src.backend.access.gist
10	0.03	983	gistget.c	src.backend.access.gist
5	0.98	1363	gistsplit.c	src.backend.access.gist
5	0.65	1210	gistutil.c	src.backend.access.gist
5	0.10	2761	gist.c	src.backend.access.gist
5	0.03	983	gistget.c	src.backend.access.gist
1	0.98	1363	gistsplit.c	src.backend.access.gist
1	0.65	1210	gistutil.c	src.backend.access.gist
1	0.10	2761	gist.c	src.backend.access.gist
1	0.03	983	gistget.c	src.backend.access.gist

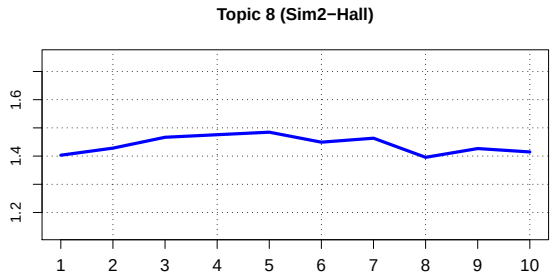
"att natt", {*spl giststat split vector tupl offset attno len gist index entri*}

Best matching topic evolution (Topic distance = 1.842, Evolution distance = 0.0001):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
5	1.00	5125	multixact.c	src.backend.access.transam
5	0.17	757	subtrans.c	src.backend.access.transam
5	0.16	1126	clog.c	src.backend.access.transam
5	0.08	122	rmgr.c	src.backend.access.transam
2	1.00	5125	multixact.c	src.backend.access.transam
2	0.17	757	subtrans.c	src.backend.access.transam
2	0.14	1126	clog.c	src.backend.access.transam
2	0.11	122	rmgr.c	src.backend.access.transam
8	1.00	5125	multixact.c	src.backend.access.transam
8	0.17	757	subtrans.c	src.backend.access.transam
8	0.14	1126	clog.c	src.backend.access.transam
8	0.09	122	rmgr.c	src.backend.access.transam

"oldest xact", {*multi xact offset member page mxact xid transact oldest lock debug*}

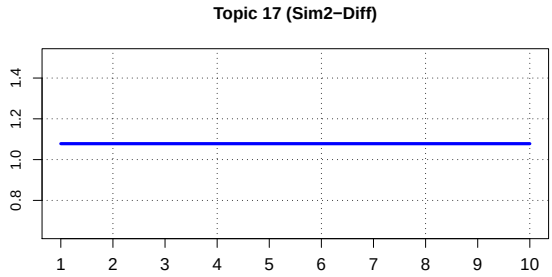
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
17	0.0733	0.0043
15	1.1922	0.0038
1	1.3693	0.0043

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.1922	0.0038
17	0.0733	0.0043
1	1.3693	0.0043

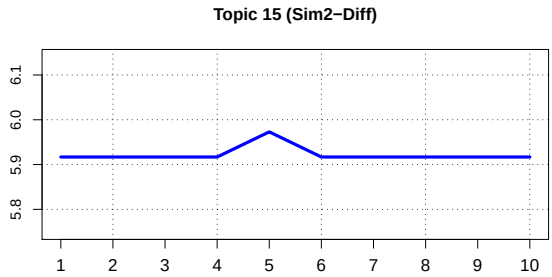
Best matching topic (Topic distance = 0.073, Evolution distance = 0.0043):



V	θ	Size	File	Package
10	0.83	5125	multixact.c	src.backend.access.transam
10	0.09	1126	clog.c	src.backend.access.transam
10	0.08	757	subtrans.c	src.backend.access.transam
10	0.07	122	rmgr.c	src.backend.access.transam
5	0.83	5125	multixact.c	src.backend.access.transam
5	0.09	1126	clog.c	src.backend.access.transam
5	0.08	757	subtrans.c	src.backend.access.transam
5	0.07	122	rmgr.c	src.backend.access.transam
1	0.83	5125	multixact.c	src.backend.access.transam
1	0.09	1126	clog.c	src.backend.access.transam
1	0.08	757	subtrans.c	src.backend.access.transam
1	0.07	122	rmgr.c	src.backend.access.transam

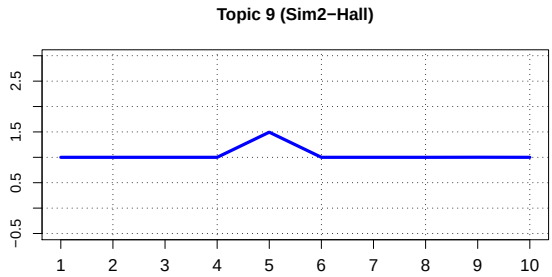
"multi xact", {*multi xact offset member page mxact transact xid debug oldest pageno*}

Best matching topic evolution (Topic distance = 1.192, Evolution distance = 0.0038):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
5	1.00	18415	`xlog.c`	`src.backend.access.transam`
5	0.37	748	`localtime.c`	`src.timezone`
5	0.13	350	`strftime.c`	`src.timezone`
5	NA	NA	`NA`	`NA`
4	1.00	18415	`xlog.c`	`src.backend.access.transam`
4	NA	NA	`NA`	`NA`
4	NA	NA	`NA`	`NA`
4	NA	NA	`NA`	`NA`
1	1.00	18415	`xlog.c`	`src.backend.access.transam`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`

"standard time", {*file xlog record log write ptr control rec page read check*}

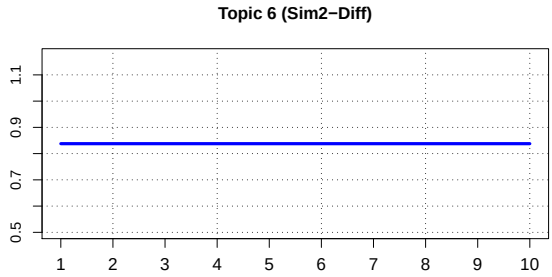
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
6	0.0741	0.1997
15	0.9403	0.1918
2	1.5506	0.1997

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	0.9403	0.1918
6	0.0741	0.1997
2	1.5506	0.1997

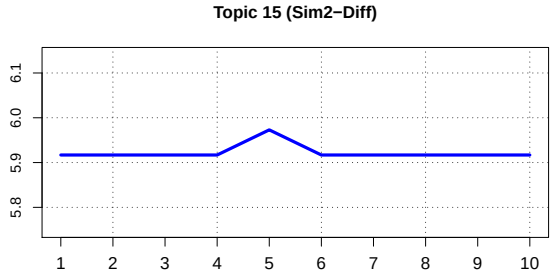
Best matching topic (Topic distance = 0.074, Evolution distance = 0.1997):



V	θ	Size	File	Package
10	0.79	18415	`xlog.c`	`src.backend.access.transam`
10	NA	NA	`NA`	`NA`
10	NA	NA	`NA`	`NA`
10	NA	NA	`NA`	`NA`
5	0.79	18415	`xlog.c`	`src.backend.access.transam`
5	NA	NA	`NA`	`NA`
5	NA	NA	`NA`	`NA`
5	NA	NA	`NA`	`NA`
1	0.79	18415	`xlog.c`	`src.backend.access.transam`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`

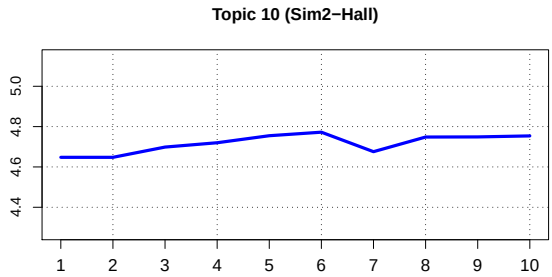
"control file", {*file xlog record log write ptr control rec page time point*}

Best matching topic evolution (Topic distance = 0.940, Evolution distance = 0.1918):



V	θ	Size	File	Package
5	0.41	861	`hio.c`	`src.backend.access.heap`
5	0.27	1105	`varsup.c`	`src.backend.access.transam`
5	0.24	2070	`hashpage.c`	`src.backend.access.hash`
5	0.22	3244	`nbtpage.c`	`src.backend.access.nbtree`
6	0.41	861	`hio.c`	`src.backend.access.heap`
6	0.27	1105	`varsup.c`	`src.backend.access.transam`
6	0.24	2070	`hashpage.c`	`src.backend.access.hash`
6	0.22	3244	`nbtpage.c`	`src.backend.access.nbtree`
1	0.41	861	`hio.c`	`src.backend.access.heap`
1	0.27	1105	`varsup.c`	`src.backend.access.transam`
1	0.24	2070	`hashpage.c`	`src.backend.access.hash`
1	0.22	3244	`nbtpage.c`	`src.backend.access.nbtree`

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
6	1.00	3305	nbtsearch.c	src.backend.access.nbtree
6	0.86	401	gistscan.c	src.backend.access.gist
6	0.75	983	gistget.c	src.backend.access.gist
6	0.73	677	ginscan.c	src.backend.access.gin
4	1.00	3305	nbtsearch.c	src.backend.access.nbtree
4	0.87	401	gistscan.c	src.backend.access.gist
4	0.74	677	ginscan.c	src.backend.access.gin
4	0.73	983	gistget.c	src.backend.access.gist
1	1.00	3305	nbtsearch.c	src.backend.access.nbtree
1	0.84	401	gistscan.c	src.backend.access.gist
1	0.75	677	ginscan.c	src.backend.access.gin
1	0.71	983	gistget.c	src.backend.access.gist

"scan opaqu", {*scan kei page item opaqu buffer index entri offset buf cur*}

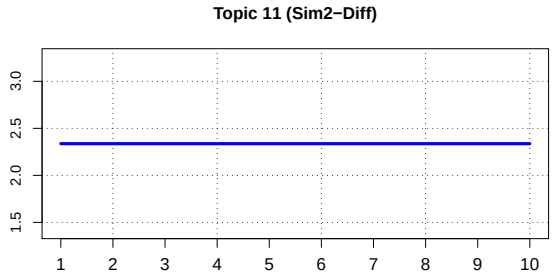
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
11	0.3914	0.0009
12	0.6657	0.0009
8	1.1332	0.0009

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.4095	0.0008
8	1.1332	0.0009
9	1.2717	0.0009

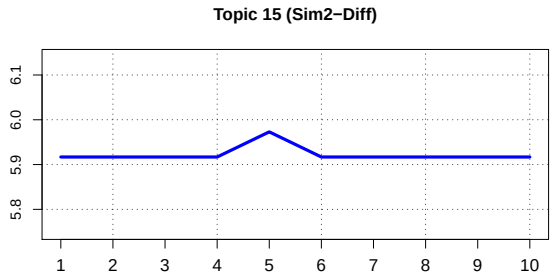
Best matching topic (Topic distance = 0.391, Evolution distance = 0.0009):



V	θ	Size	File	Package
10	0.73	3305	nbtsearch.c	src.backend.access.nbtree
10	0.72	2428	nbtutils.c	src.backend.access.nbtree
10	0.33	2308	nbtree.c	src.backend.access.nbtree
10	0.29	859	hashsearch.c	src.backend.access.hash
5	0.73	3305	nbtsearch.c	src.backend.access.nbtree
5	0.72	2428	nbtutils.c	src.backend.access.nbtree
5	0.33	2308	nbtree.c	src.backend.access.nbtree
5	0.29	859	hashsearch.c	src.backend.access.hash
1	0.73	3305	nbtsearch.c	src.backend.access.nbtree
1	0.72	2428	nbtutils.c	src.backend.access.nbtree
1	0.33	2308	nbtree.c	src.backend.access.nbtree
1	0.29	859	hashsearch.c	src.backend.access.hash

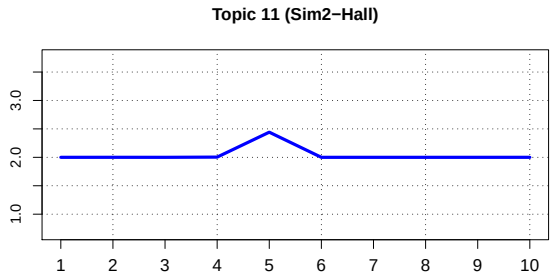
"btree vacuum", {*scan kei page item index opaqu buf curr offnum rel scankei*}

Best matching topic evolution (Topic distance = 1.410, Evolution distance = 0.0008):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
5	1.00	1224	printtup.c	src.backend.access.common
5	1.00	1335	tupdesc.c	src.backend.access.common
5	0.33	27	scheck.c	src.timezone
5	0.11	350	strftime.c	src.timezone
8	1.00	1224	printtup.c	src.backend.access.common
8	1.00	1335	tupdesc.c	src.backend.access.common
8	NA	NA	NA	NA
8	NA	NA	NA	NA
1	1.00	1224	printtup.c	src.backend.access.common
1	1.00	1335	tupdesc.c	src.backend.access.common
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"format format", {*desc tupl attr constr printtup tupdesc state check attribut natt type*}

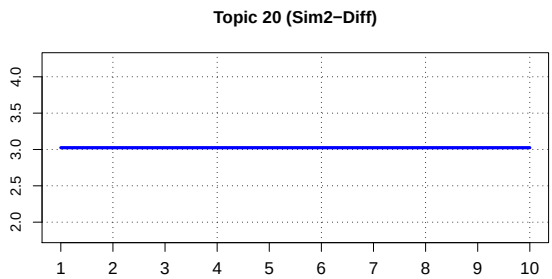
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
20	0.2360	0.0419
19	1.4292	0.0419
15	1.7021	0.0383

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.7021	0.0383
6	2.5427	0.0419
4	2.5461	0.0419

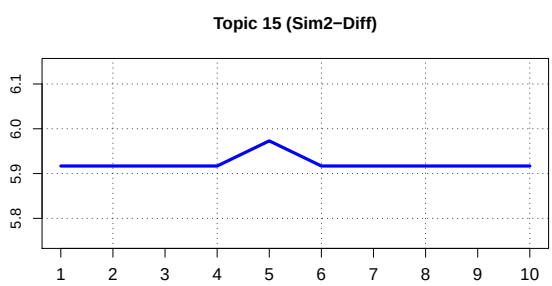
Best matching topic (Topic distance = 0.236, Evolution distance = 0.0419):



V	θ	Size	File	Package
10	0.95	1224	printtup.c	src.backend.access.common
10	0.85	1335	tupdesc.c	src.backend.access.common
10	0.74	619	reloptions.c	src.backend.access.common
10	0.19	150	ginarrayproc.c	src.backend.access.gin
5	0.95	1224	printtup.c	src.backend.access.common
5	0.85	1335	tupdesc.c	src.backend.access.common
5	0.74	619	reloptions.c	src.backend.access.common
5	0.19	150	ginarrayproc.c	src.backend.access.gin
1	0.95	1224	printtup.c	src.backend.access.common
1	0.85	1335	tupdesc.c	src.backend.access.common
1	0.74	619	reloptions.c	src.backend.access.common
1	0.19	150	ginarrayproc.c	src.backend.access.gin

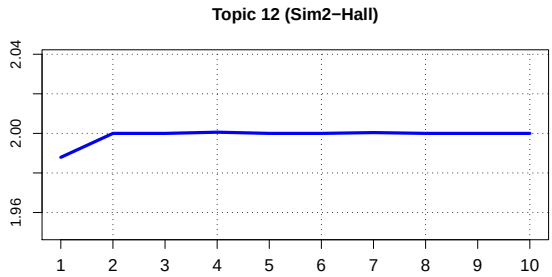
"text str", {*attr desc tupl constr tupdesc printtup state natt attribut check datum*}

Best matching topic evolution (Topic distance = 1.702, Evolution distance = 0.0383):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
4	1.00	4255	twophase.c	src.backend.access.transam
4	1.00	82	twophase_rmgr.c	src.backend.access.transam
4	NA	NA	NA	NA
4	NA	NA	NA	NA
6	1.00	4255	twophase.c	src.backend.access.transam
6	1.00	82	twophase_rmgr.c	src.backend.access.transam
6	NA	NA	NA	NA
6	NA	NA	NA	NA
1	1.00	4255	twophase.c	src.backend.access.transam
1	0.99	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"twophas rmgr command", {*transact phase file xid gxact state prepar record xact lock crc*}

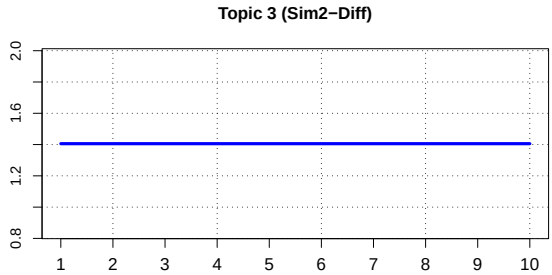
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
3	0.1108	0.0000
15	1.0272	0.0001
18	1.3123	0.0000

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
3	0.1108	0.0000
18	1.3123	0.0000
6	1.4279	0.0000

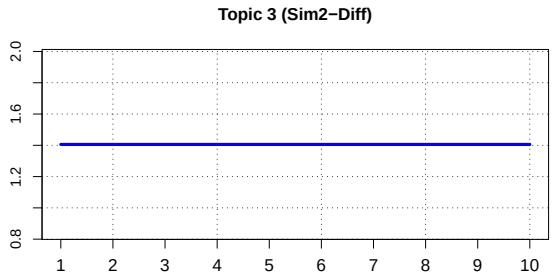
Best matching topic (Topic distance = 0.111, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.75	4255	twophase.c	src.backend.access.transam
10	0.63	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.75	4255	twophase.c	src.backend.access.transam
5	0.63	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.75	4255	twophase.c	src.backend.access.transam
1	0.63	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

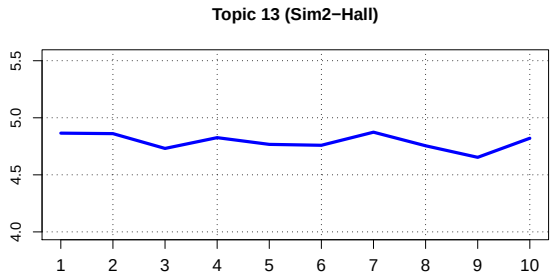
"phase state", {*phase file gxact transact state xid prepar record xact crc proc*}

Best matching topic evolution (Topic distance = 0.111, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.75	4255	twophase.c	src.backend.access.transam
10	0.63	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.75	4255	twophase.c	src.backend.access.transam
5	0.63	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.75	4255	twophase.c	src.backend.access.transam
1	0.63	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"phase state", {*phase file gxact transact state xid prepar record xact crc proc*}



V	θ	Size	File	Package
7	1.00	1962	gistvacuum.c	src.backend.access.gist
7	0.93	2761	gist.c	src.backend.access.gist
7	0.71	1737	ginvacuum.c	src.backend.access.gin
7	0.59	1140	ginbtree.c	src.backend.access.gin
5	1.00	1962	gistvacuum.c	src.backend.access.gist
5	0.93	2761	gist.c	src.backend.access.gist
5	0.72	1737	ginvacuum.c	src.backend.access.gin
5	0.60	1140	ginbtree.c	src.backend.access.gin
9	1.00	1962	gistvacuum.c	src.backend.access.gist
9	0.92	2761	gist.c	src.backend.access.gist
9	0.70	1737	ginvacuum.c	src.backend.access.gin
9	0.60	1140	ginbtree.c	src.backend.access.gin

"buffer buffer", {*page buffer index gist ptr stack blkno state tupl rdata parent*}

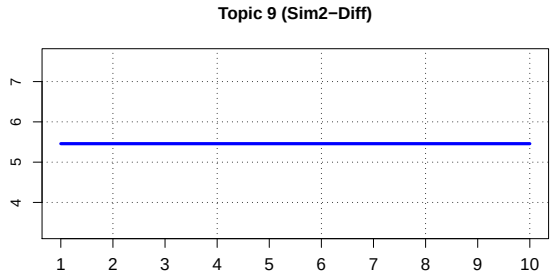
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
9	0.0452	0.0019
2	1.1167	0.0019
8	1.2241	0.0019

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
9	0.0452	0.0019
2	1.1167	0.0019
8	1.2241	0.0019

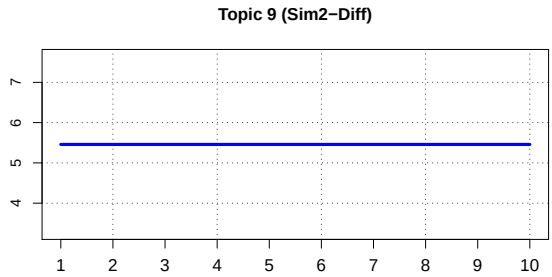
Best matching topic (Topic distance = 0.045, Evolution distance = 0.0019):



V	θ	Size	File	Package
10	0.95	1962	gistvacuum.c	src.backend.access.gist
10	0.84	2761	gist.c	src.backend.access.gist
10	0.66	1737	ginvacuum.c	src.backend.access.gin
10	0.57	1140	ginbtree.c	src.backend.access.gin
5	0.95	1962	gistvacuum.c	src.backend.access.gist
5	0.84	2761	gist.c	src.backend.access.gist
5	0.66	1737	ginvacuum.c	src.backend.access.gin
5	0.57	1140	ginbtree.c	src.backend.access.gin
1	0.95	1962	gistvacuum.c	src.backend.access.gist
1	0.84	2761	gist.c	src.backend.access.gist
1	0.66	1737	ginvacuum.c	src.backend.access.gin
1	0.57	1140	ginbtree.c	src.backend.access.gin

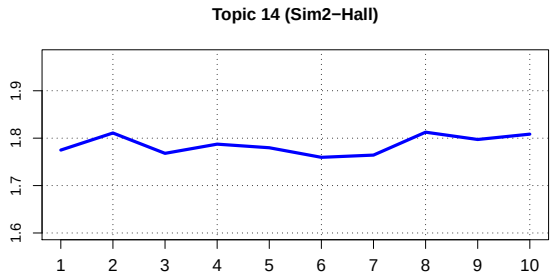
"index tupl", {*page buffer index stack state blkno tupl ptr gist item parent*}

Best matching topic evolution (Topic distance = 0.045, Evolution distance = 0.0019):



V	θ	Size	File	Package
10	0.95	1962	gistvacuum.c	src.backend.access.gist
10	0.84	2761	gist.c	src.backend.access.gist
10	0.66	1737	ginvacuum.c	src.backend.access.gin
10	0.57	1140	ginbtree.c	src.backend.access.gin
5	0.95	1962	gistvacuum.c	src.backend.access.gist
5	0.84	2761	gist.c	src.backend.access.gist
5	0.66	1737	ginvacuum.c	src.backend.access.gin
5	0.57	1140	ginbtree.c	src.backend.access.gin
1	0.95	1962	gistvacuum.c	src.backend.access.gist
1	0.84	2761	gist.c	src.backend.access.gist
1	0.66	1737	ginvacuum.c	src.backend.access.gin
1	0.57	1140	ginbtree.c	src.backend.access.gin

"index tupl", {*page buffer index stack state blkno tupl ptr gist item parent*}



V	θ	Size	File	Package
8	1.00	2743	slru.c	src.backend.access.transam
8	0.43	757	subtrans.c	src.backend.access.transam
8	0.38	1126	clog.c	src.backend.access.transam
8	NA	NA	NA	NA
5	1.00	2743	slru.c	src.backend.access.transam
5	0.41	757	subtrans.c	src.backend.access.transam
5	0.37	1126	clog.c	src.backend.access.transam
5	NA	NA	NA	NA
6	1.00	2743	slru.c	src.backend.access.transam
6	0.39	757	subtrans.c	src.backend.access.transam
6	0.37	1126	clog.c	src.backend.access.transam
6	NA	NA	NA	NA

"control lock", {*page slru share slotno ctl lru pageno lock write statu simpl*}

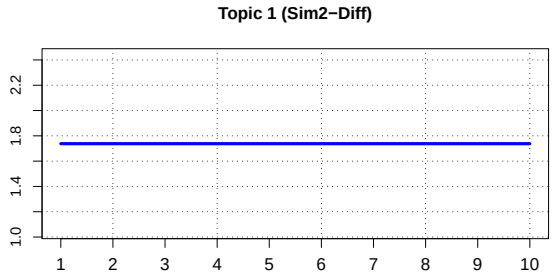
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
1	0.1413	0.0011
15	1.2980	0.0013
6	1.6951	0.0011

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
1	0.1413	0.0011
6	1.6951	0.0011
13	2.0406	0.0011

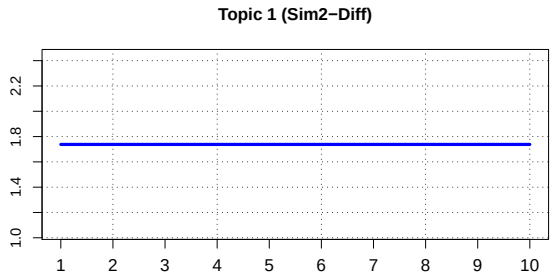
Best matching topic (Topic distance = 0.141, Evolution distance = 0.0011):



V	θ	Size	File	Package
10	0.83	2743	slru.c	src.backend.access.transam
10	0.50	1126	clog.c	src.backend.access.transam
10	0.33	757	subtrans.c	src.backend.access.transam
10	0.07	1198	xlogutils.c	src.backend.access.transam
5	0.83	2743	slru.c	src.backend.access.transam
5	0.50	1126	clog.c	src.backend.access.transam
5	0.33	757	subtrans.c	src.backend.access.transam
5	0.07	1198	xlogutils.c	src.backend.access.transam
1	0.83	2743	slru.c	src.backend.access.transam
1	0.50	1126	clog.c	src.backend.access.transam
1	0.33	757	subtrans.c	src.backend.access.transam
1	0.07	1198	xlogutils.c	src.backend.access.transam

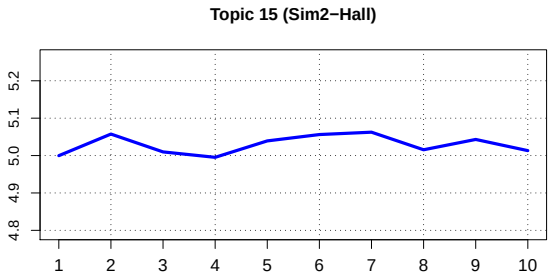
"clog control", {*page slru share slotno ctl clog lru pageno statu write buffer*}

Best matching topic evolution (Topic distance = 0.141, Evolution distance = 0.0011):



V	θ	Size	File	Package
10	0.83	2743	slru.c	src.backend.access.transam
10	0.50	1126	clog.c	src.backend.access.transam
10	0.33	757	subtrans.c	src.backend.access.transam
10	0.07	1198	xlogutils.c	src.backend.access.transam
5	0.83	2743	slru.c	src.backend.access.transam
5	0.50	1126	clog.c	src.backend.access.transam
5	0.33	757	subtrans.c	src.backend.access.transam
5	0.07	1198	xlogutils.c	src.backend.access.transam
1	0.83	2743	slru.c	src.backend.access.transam
1	0.50	1126	clog.c	src.backend.access.transam
1	0.33	757	subtrans.c	src.backend.access.transam
1	0.07	1198	xlogutils.c	src.backend.access.transam

"clog control", {*page slru share slotno ctl clog lru pageno statu write buffer*}



V	θ	Size	File	Package
7	1.00	220	scankey.c	src.backend.access.common
7	1.00	544	genam.c	src.backend.access.index
7	1.00	1404	indexam.c	src.backend.access.index
7	0.83	2428	nbtutils.c	src.backend.access.nbtree
8	1.00	220	scankey.c	src.backend.access.common
8	1.00	544	genam.c	src.backend.access.index
8	1.00	1404	indexam.c	src.backend.access.index
8	0.83	2428	nbtutils.c	src.backend.access.nbtree
4	1.00	220	scankey.c	src.backend.access.common
4	1.00	544	genam.c	src.backend.access.index
4	1.00	1404	indexam.c	src.backend.access.index
4	0.82	2428	nbtutils.c	src.backend.access.nbtree

"scan list", {*scan index kei relat tupl datum info lock procedur heap vacuum*}

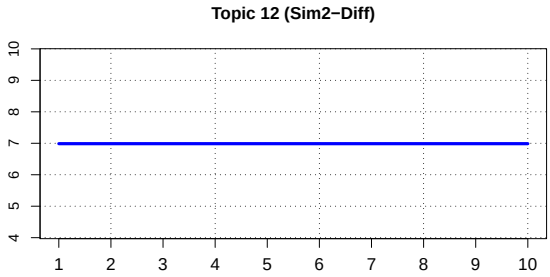
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
12	0.4661	0.0002
11	0.9834	0.0002
15	1.1286	0.0003

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
12	0.4661	0.0002
11	0.9834	0.0002
4	1.5248	0.0002

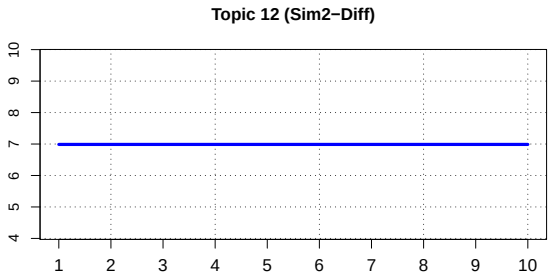
Best matching topic (Topic distance = 0.466, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	0.87	220	scankey.c	src.backend.access.common
10	0.80	1404	indexam.c	src.backend.access.index
10	0.79	677	ginscan.c	src.backend.access.gin
10	0.78	544	genam.c	src.backend.access.index
5	0.87	220	scankey.c	src.backend.access.common
5	0.80	1404	indexam.c	src.backend.access.index
5	0.79	677	ginscan.c	src.backend.access.gin
5	0.78	544	genam.c	src.backend.access.index
1	0.87	220	scankey.c	src.backend.access.common
1	0.80	1404	indexam.c	src.backend.access.index
1	0.79	677	ginscan.c	src.backend.access.gin
1	0.78	544	genam.c	src.backend.access.index

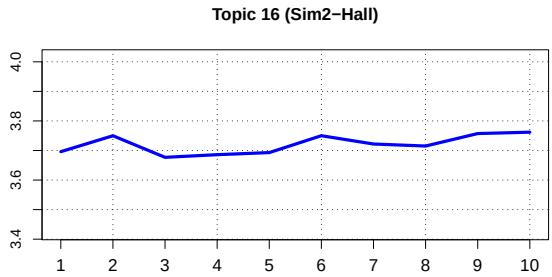
"scan kei", {*scan index kei relat entri datum desc opaqu tupl info heap*}

Best matching topic evolution (Topic distance = 0.466, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	0.87	220	scankey.c	src.backend.access.common
10	0.80	1404	indexam.c	src.backend.access.index
10	0.79	677	ginscan.c	src.backend.access.gin
10	0.78	544	genam.c	src.backend.access.index
5	0.87	220	scankey.c	src.backend.access.common
5	0.80	1404	indexam.c	src.backend.access.index
5	0.79	677	ginscan.c	src.backend.access.gin
5	0.78	544	genam.c	src.backend.access.index
1	0.87	220	scankey.c	src.backend.access.common
1	0.80	1404	indexam.c	src.backend.access.index
1	0.79	677	ginscan.c	src.backend.access.gin
1	0.78	544	genam.c	src.backend.access.index

"scan kei", {*scan index kei relat entri datum desc opaqu tupl info heap*}



V	θ	Size	File	Package
10	1.00	2387	nbtxlog.c	src.backend.access.nbtree
10	0.85	1198	xlogutils.c	src.backend.access.transam
10	0.65	122	rmgr.c	src.backend.access.transam
10	0.62	2525	gistxlog.c	src.backend.access.gist
8	1.00	2387	nbtxlog.c	src.backend.access.nbtree
8	0.85	1198	xlogutils.c	src.backend.access.transam
8	0.62	2525	gistxlog.c	src.backend.access.gist
8	0.58	1827	ginxlog.c	src.backend.access.gin
3	1.00	2387	nbtxlog.c	src.backend.access.nbtree
3	0.83	1198	xlogutils.c	src.backend.access.transam
3	0.63	2525	gistxlog.c	src.backend.access.gist
3	0.57	1827	ginxlog.c	src.backend.access.gin

"xlog rec", {*page buffer xlog node xlrec record split insert btree lsn info*}

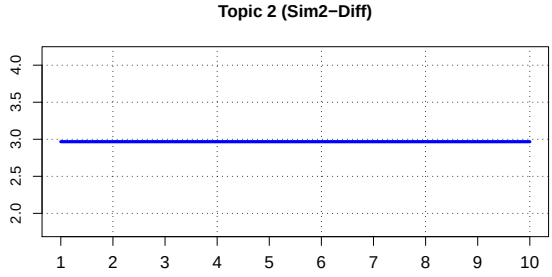
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
2	0.1644	0.0007
8	0.9023	0.0007
9	1.2899	0.0007

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
8	0.9023	0.0007
9	1.2899	0.0007
4	1.5707	0.0007

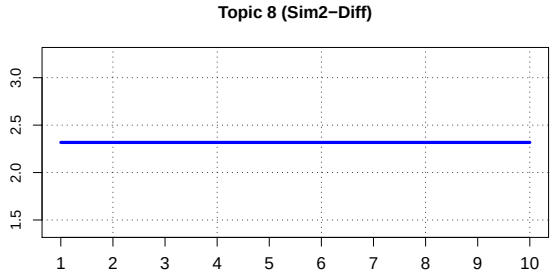
Best matching topic (Topic distance = 0.164, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.72	2525	gistxlog.c	src.backend.access.gist
10	0.64	2387	nbtxlog.c	src.backend.access.nbtree
10	0.59	1827	ginxlog.c	src.backend.access.gin
10	0.52	122	rmgr.c	src.backend.access.transam
5	0.72	2525	gistxlog.c	src.backend.access.gist
5	0.64	2387	nbtxlog.c	src.backend.access.nbtree
5	0.59	1827	ginxlog.c	src.backend.access.gin
5	0.52	122	rmgr.c	src.backend.access.transam
1	0.72	2525	gistxlog.c	src.backend.access.gist
1	0.64	2387	nbtxlog.c	src.backend.access.nbtree
1	0.59	1827	ginxlog.c	src.backend.access.gin
1	0.52	122	rmgr.c	src.backend.access.transam

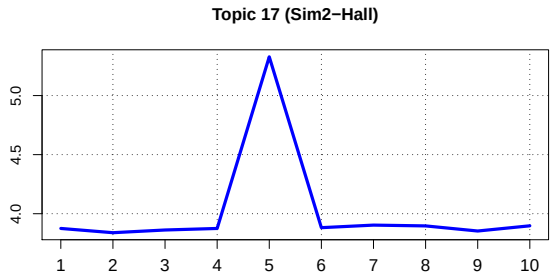
"xlog record", {*page buffer xlog node record insert xlrec split lsn info rec*}

Best matching topic evolution (Topic distance = 0.902, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.77	3244	nbtpage.c	src.backend.access.nbtree
10	0.72	4356	nbtinsert.c	src.backend.access.nbtree
10	0.34	1751	nbtsort.c	src.backend.access.nbtree
10	0.34	2387	nbtxlog.c	src.backend.access.nbtree
5	0.77	3244	nbtpage.c	src.backend.access.nbtree
5	0.72	4356	nbtinsert.c	src.backend.access.nbtree
5	0.34	1751	nbtsort.c	src.backend.access.nbtree
5	0.34	2387	nbtxlog.c	src.backend.access.nbtree
1	0.77	3244	nbtpage.c	src.backend.access.nbtree
1	0.72	4356	nbtinsert.c	src.backend.access.nbtree
1	0.34	1751	nbtsort.c	src.backend.access.nbtree
1	0.34	2387	nbtxlog.c	src.backend.access.nbtree

"page page", {*page buffer item rel opaqu btree btpo root split btpage index*}



V	θ	Size	File	Package
5	1.00	619	reloptions.c	src.backend.access.common
5	1.00	609	transam.c	src.backend.access.transam
5	0.75	527	ginbulk.c	src.backend.access.gin
5	0.67	27	scheck.c	src.timezone
1	1.00	619	reloptions.c	src.backend.access.common
1	1.00	609	transam.c	src.backend.access.transam
1	0.73	527	ginbulk.c	src.backend.access.gin
1	0.44	757	subtrans.c	src.backend.access.transam
2	1.00	619	reloptions.c	src.backend.access.common
2	1.00	609	transam.c	src.backend.access.transam
2	0.70	527	ginbulk.c	src.backend.access.gin
2	0.41	757	subtrans.c	src.backend.access.transam

"normal transact", {*transact clog xid accum entri statu subtran commit datum arrai tran*}

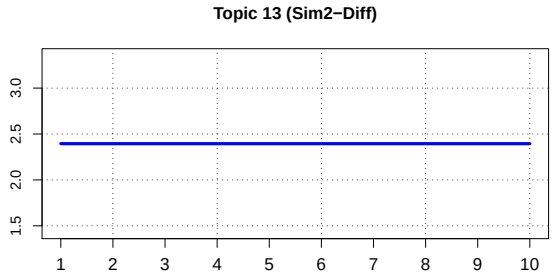
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
13	1.0220	0.1175
15	1.6861	0.1115
18	1.8465	0.1175

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.6861	0.1115
13	1.0220	0.1175
18	1.8465	0.1175

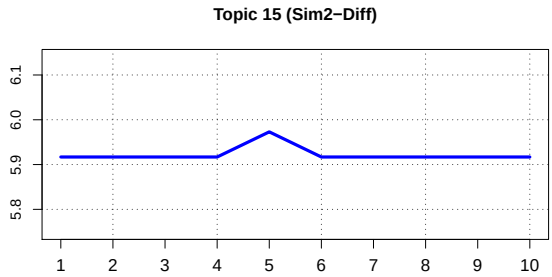
Best matching topic (Topic distance = 1.022, Evolution distance = 0.1175):



V	θ	Size	File	Package
10	0.91	609	transam.c	src.backend.access.transam
10	0.72	1105	varsup.c	src.backend.access.transam
10	0.42	757	subtrans.c	src.backend.access.transam
10	0.15	1126	clog.c	src.backend.access.transam
5	0.91	609	transam.c	src.backend.access.transam
5	0.72	1105	varsup.c	src.backend.access.transam
5	0.42	757	subtrans.c	src.backend.access.transam
5	0.15	1126	clog.c	src.backend.access.transam
1	0.91	609	transam.c	src.backend.access.transam
1	0.72	1105	varsup.c	src.backend.access.transam
1	0.42	757	subtrans.c	src.backend.access.transam
1	0.15	1126	clog.c	src.backend.access.transam

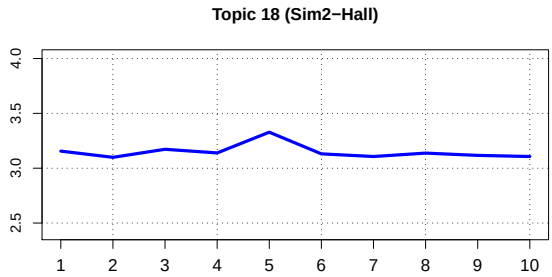
"shmem variabl", {*transact xid subtran commit statu variabl limit shmem cach parent tran*}

Best matching topic evolution (Topic distance = 1.686, Evolution distance = 0.1115):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
5	1.00	3533	heaptuple.c	src.backend.access.common
5	1.00	640	indextuple.c	src.backend.access.common
5	1.00	2943	tuptoaster.c	src.backend.access.heap
5	0.16	748	localtime.c	src.timezone
6	1.00	640	indextuple.c	src.backend.access.common
6	1.00	2943	tuptoaster.c	src.backend.access.heap
6	1.00	3533	heaptuple.c	src.backend.access.common
6	0.13	122	rmgr.c	src.backend.access.transam
2	1.00	3533	heaptuple.c	src.backend.access.common
2	1.00	640	indextuple.c	src.backend.access.common
2	1.00	2943	tuptoaster.c	src.backend.access.heap
2	0.10	122	rmgr.c	src.backend.access.transam

"heap heap", {*tupl heap toast attribut datum att valu size attnum desc attr*}

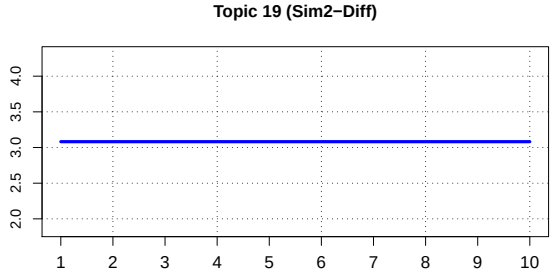
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
19	0.0357	0.0041
15	1.4026	0.0031
20	1.5215	0.0041

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.4026	0.0031
19	0.0357	0.0041
20	1.5215	0.0041

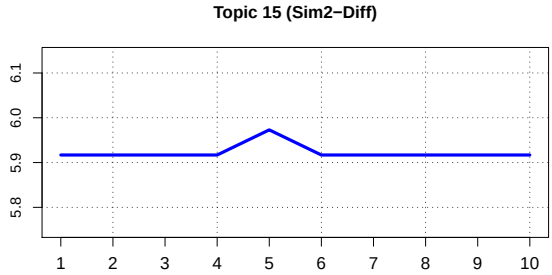
Best matching topic (Topic distance = 0.036, Evolution distance = 0.0041):



V	θ	Size	File	Package
10	0.91	3533	heaptuple.c	src.backend.access.common
10	0.87	2943	tuptoaster.c	src.backend.access.heap
10	0.85	640	indextuple.c	src.backend.access.common
10	0.17	122	rmgr.c	src.backend.access.transam
5	0.91	3533	heaptuple.c	src.backend.access.common
5	0.87	2943	tuptoaster.c	src.backend.access.heap
5	0.85	640	indextuple.c	src.backend.access.common
5	0.17	122	rmgr.c	src.backend.access.transam
1	0.91	3533	heaptuple.c	src.backend.access.common
1	0.87	2943	tuptoaster.c	src.backend.access.heap
1	0.85	640	indextuple.c	src.backend.access.common
1	0.17	122	rmgr.c	src.backend.access.transam

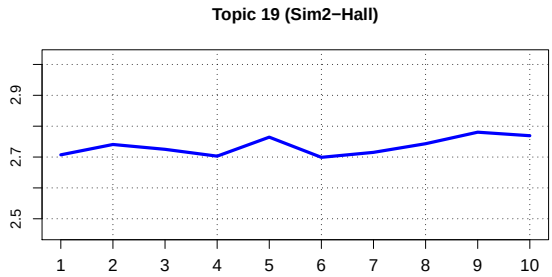
"att tupl desc", {*tupl heap toast attribut datum att valu attnum size attr isnul*}

Best matching topic evolution (Topic distance = 1.403, Evolution distance = 0.0031):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
9	1.00	2308	nbtree.c	src.backend.access.nbtree
9	1.00	1751	nbtsort.c	src.backend.access.nbtree
9	0.64	1669	hash.c	src.backend.access.hash
9	0.14	1009	gininsert.c	src.backend.access.gin
3	1.00	2308	nbtree.c	src.backend.access.nbtree
3	1.00	1751	nbtsort.c	src.backend.access.nbtree
3	0.60	1669	hash.c	src.backend.access.hash
3	0.12	1009	gininsert.c	src.backend.access.gin
6	1.00	2308	nbtree.c	src.backend.access.nbtree
6	1.00	1751	nbtsort.c	src.backend.access.nbtree
6	0.58	1669	hash.c	src.backend.access.hash
6	0.12	1009	gininsert.c	src.backend.access.gin

"scan opaqu", {*page index scan item tupl state opaqu itup getarg info free*}

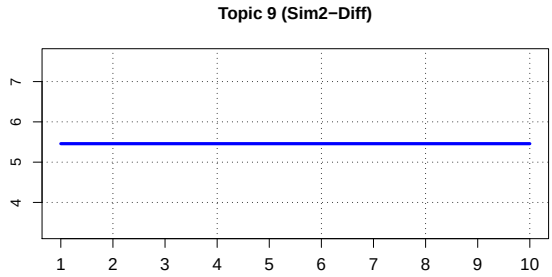
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
9	0.8482	0.0010
11	0.9111	0.0010
12	0.9579	0.0010

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
15	1.2008	0.0009
11	0.9111	0.0010
12	0.9579	0.0010

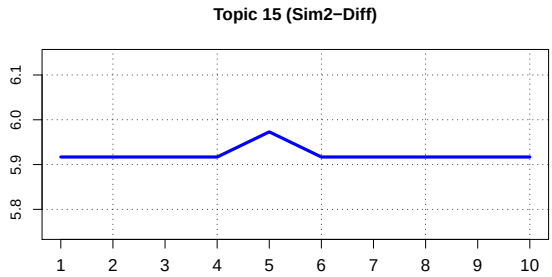
Best matching topic (Topic distance = 0.848, Evolution distance = 0.0010):



V	θ	Size	File	Package
10	0.95	1962	gistvacuum.c	src.backend.access.gist
10	0.84	2761	gist.c	src.backend.access.gist
10	0.66	1737	ginvacuum.c	src.backend.access.gin
10	0.57	1140	ginbtree.c	src.backend.access.gin
5	0.95	1962	gistvacuum.c	src.backend.access.gist
5	0.84	2761	gist.c	src.backend.access.gist
5	0.66	1737	ginvacuum.c	src.backend.access.gin
5	0.57	1140	ginbtree.c	src.backend.access.gin
1	0.95	1962	gistvacuum.c	src.backend.access.gist
1	0.84	2761	gist.c	src.backend.access.gist
1	0.66	1737	ginvacuum.c	src.backend.access.gin
1	0.57	1140	ginbtree.c	src.backend.access.gin

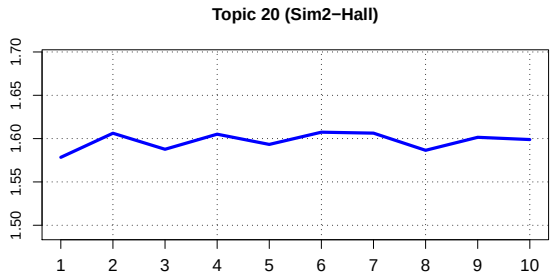
"index tupl", {*page buffer index stack state blkno tupl ptr gist item parent*}

Best matching topic evolution (Topic distance = 1.201, Evolution distance = 0.0009):



V	θ	Size	File	Package
5	0.41	861	hio.c	src.backend.access.heap
5	0.27	1105	varsup.c	src.backend.access.transam
5	0.24	2070	hashpage.c	src.backend.access.hash
5	0.22	3244	nbtpage.c	src.backend.access.nbtree
6	0.41	861	hio.c	src.backend.access.heap
6	0.27	1105	varsup.c	src.backend.access.transam
6	0.24	2070	hashpage.c	src.backend.access.hash
6	0.22	3244	nbtpage.c	src.backend.access.nbtree
1	0.41	861	hio.c	src.backend.access.heap
1	0.27	1105	varsup.c	src.backend.access.transam
1	0.24	2070	hashpage.c	src.backend.access.hash
1	0.22	3244	nbtpage.c	src.backend.access.nbtree

"crit section", {*lock error size note check releas start max read assert valid*}



V	θ	Size	File	Package
6	1.00	9801	heapam.c	src.backend.access.heap
6	0.61	861	hio.c	src.backend.access.heap
6	NA	NA	NA	NA
6	NA	NA	NA	NA
10	1.00	9801	heapam.c	src.backend.access.heap
10	0.60	861	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
1	1.00	9801	heapam.c	src.backend.access.heap
1	0.58	861	hio.c	src.backend.access.heap
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"buffer buffer", {*buffer tupl heap page lock relat scan item xmax updat xlog*}

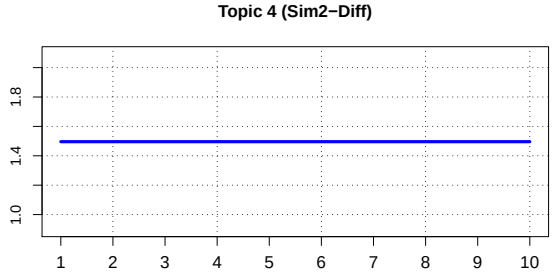
Top 3 matching topics in Sim2-Diff:

Topic	Dist.	EvoDist.
4	0.0657	0.0004
15	1.0787	0.0005
2	1.1717	0.0004

Top 3 matching topic evolutions in Sim2-Diff:

Topic	Dist.	EvoDist.
4	0.0657	0.0004
2	1.1717	0.0004
9	1.4357	0.0004

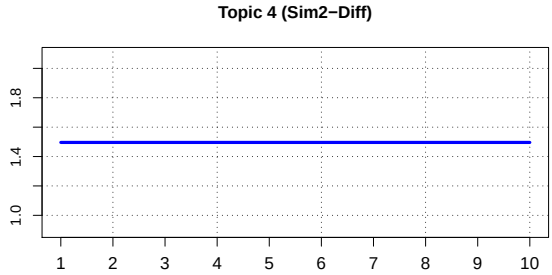
Best matching topic (Topic distance = 0.066, Evolution distance = 0.0004):



V	θ	Size	File	Package
10	0.82	9801	heapam.c	src.backend.access.heap
10	0.59	861	hio.c	src.backend.access.heap
10	0.04	1404	indexam.c	src.backend.access.index
10	0.04	4356	nbtinsert.c	src.backend.access.nbtree
5	0.82	9801	heapam.c	src.backend.access.heap
5	0.59	861	hio.c	src.backend.access.heap
5	0.04	1404	indexam.c	src.backend.access.index
5	0.04	4356	nbtinsert.c	src.backend.access.nbtree
1	0.82	9801	heapam.c	src.backend.access.heap
1	0.59	861	hio.c	src.backend.access.heap
1	0.04	1404	indexam.c	src.backend.access.index
1	0.04	4356	nbtinsert.c	src.backend.access.nbtree

"offset page offnum", {*buffer tupl heap page relat lock scan item xmax updat xlog*}

Best matching topic evolution (Topic distance = 0.066, Evolution distance = 0.0004):

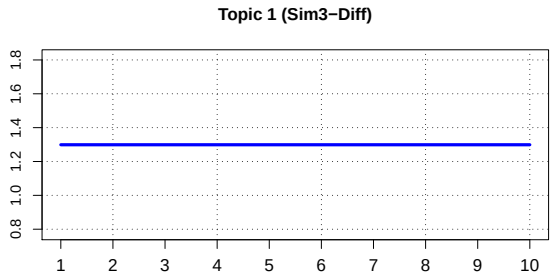


V	θ	Size	File	Package
10	0.82	9801	heapam.c	src.backend.access.heap
10	0.59	861	hio.c	src.backend.access.heap
10	0.04	1404	indexam.c	src.backend.access.index
10	0.04	4356	nbtinsert.c	src.backend.access.nbtree
5	0.82	9801	heapam.c	src.backend.access.heap
5	0.59	861	hio.c	src.backend.access.heap
5	0.04	1404	indexam.c	src.backend.access.index
5	0.04	4356	nbtinsert.c	src.backend.access.nbtree
1	0.82	9801	heapam.c	src.backend.access.heap
1	0.59	861	hio.c	src.backend.access.heap
1	0.04	1404	indexam.c	src.backend.access.index
1	0.04	4356	nbtinsert.c	src.backend.access.nbtree

"offset page offnum", {*buffer tupl heap page relat lock scan item xmax updat xlog*}

5 Simulated Scenario 3

5.1 Diff



V	θ	Size	File	Package
10	0.93	1232	printtup.c	src.backend.access.common
10	0.37	1762	nbtsort.c	src.backend.access.nbtree
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.93	1232	printtup.c	src.backend.access.common
5	0.37	1762	nbtsort.c	src.backend.access.nbtree
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.93	1232	printtup.c	src.backend.access.common
1	0.37	1762	nbtsort.c	src.backend.access.nbtree
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"state btp", {*state printtup attr tupl wstate btspool btp slot info buf typeinfo*}

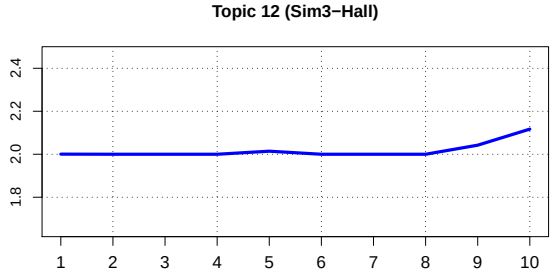
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
12	0.9375	0.0031
5	2.0130	0.0008
17	2.0958	0.0028

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	2.5314	0.0000
2	3.0253	0.0002
15	2.8833	0.0004

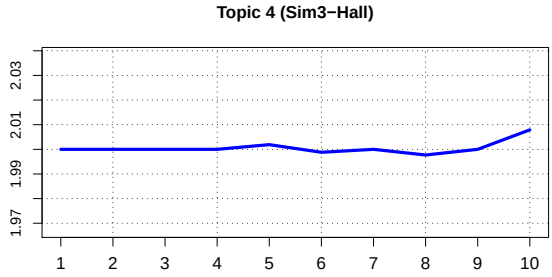
Best matching topic (Topic distance = 0.938, Evolution distance = 0.0031):



V	θ	Size	File	Package
10	1.00	1232	printtup.c	src.backend.access.common
10	1.00	1340	tupdesc.c	src.backend.access.common
10	0.12	1044	descriptor.c	src.interfaces.ecpg.ecpglib
10	NA	NA	NA	NA
7	1.00	1232	printtup.c	src.backend.access.common
7	1.00	1340	tupdesc.c	src.backend.access.common
7	NA	NA	NA	NA
7	NA	NA	NA	NA
2	1.00	1232	printtup.c	src.backend.access.common
2	1.00	1340	tupdesc.c	src.backend.access.common
2	NA	NA	NA	NA
2	NA	NA	NA	NA

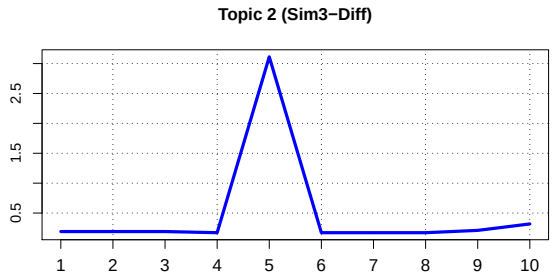
"desc desc", {*desc tupl attr constr printtup tupdesc state check attribut natt type*}

Best matching topic evolution (Topic distance = 2.531, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
5	1.00	27	scheck.c	src.timezone
5	1.00	351	strftime.c	src.timezone
5	0.94	768	localtime.c	src.timezone
5	0.09	421	hashfunc.c	src.backend.access.hash
1	0.09	421	hashfunc.c	src.backend.access.hash
1	0.05	623	reloptions.c	src.backend.access.common
1	NA	NA	NA	NA
1	NA	NA	NA	NA
4	0.09	421	hashfunc.c	src.backend.access.hash
4	0.05	623	reloptions.c	src.backend.access.common
4	NA	NA	NA	NA
4	NA	NA	NA	NA

"offset posix section", {*time case year continu type tmp offset const result format rule*}

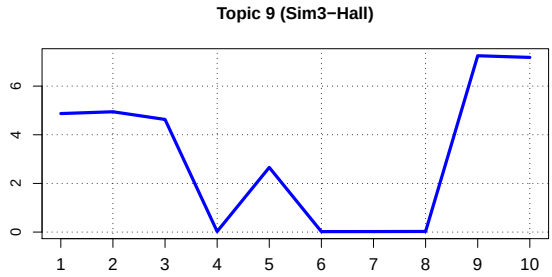
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
9	1.8296	40.8354
13	2.3642	30.1112
14	2.4162	31.8348

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
13	2.3642	30.1112
11	2.4473	31.1005
15	2.8659	31.8277

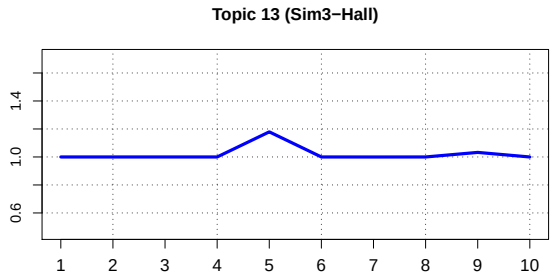
Best matching topic (Topic distance = 1.830, Evolution distance = 40.8354):



V	θ	Size	File	Package
9	1.00	51	memory.c	src.interfaces.ecpg.ecpglib
9	1.00	49	typename.c	src.interfaces.ecpg.ecpglib
9	0.97	214	error.c	src.interfaces.ecpg.ecpglib
9	0.91	435	connect.c	src.interfaces.ecpg.ecpglib
5	0.96	27	scheck.c	src.timezone
5	0.91	351	strftime.c	src.timezone
5	0.76	768	localtime.c	src.timezone
5	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA

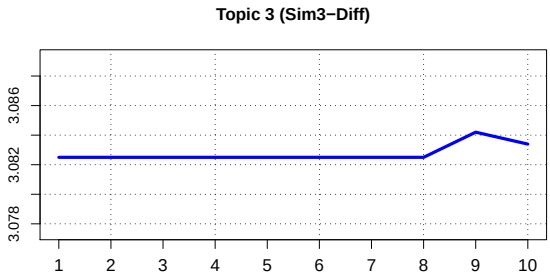
"ecpglog ecpgget", {*var case chr state struct break reg end assert begin sqlca*}

Best matching topic evolution (Topic distance = 2.364, Evolution distance = 30.1112):



V	θ	Size	File	Package
5	1.00	18475	xlog.c	src.backend.access.transam
5	0.11	768	localtime.c	src.timezone
5	0.07	351	strftime.c	src.timezone
5	NA	NA	NA	NA
3	1.00	18475	xlog.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA
7	1.00	18475	xlog.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
7	NA	NA	NA	NA

"ctype fcntl signal", {*file xlog record log write ptr control rec page read check*}



V	θ	Size	File	Package
9	0.76	2543	gistxlog.c	src.backend.access.gist
9	0.73	2411	nbtxlog.c	src.backend.access.nbtree
9	0.58	1852	ginxlog.c	src.backend.access.gin
9	0.48	122	rmgr.c	src.backend.access.transam
5	0.76	2543	gistxlog.c	src.backend.access.gist
5	0.73	2411	nbtxlog.c	src.backend.access.nbtree
5	0.58	1852	ginxlog.c	src.backend.access.gin
5	0.48	122	rmgr.c	src.backend.access.transam
1	0.76	2543	gistxlog.c	src.backend.access.gist
1	0.73	2411	nbtxlog.c	src.backend.access.nbtree
1	0.58	1852	ginxlog.c	src.backend.access.gin
1	0.48	122	rmgr.c	src.backend.access.transam

"rec record", {*page buffer xlog node split xlrec record insert lsn rec info*}

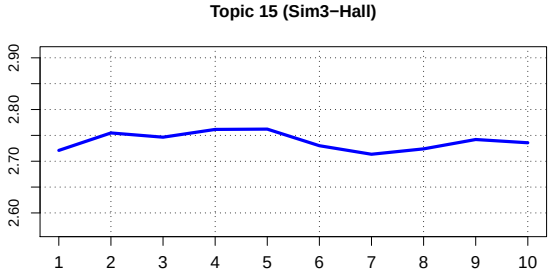
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
15	0.1283	0.0004
20	1.1899	0.0004
14	1.2310	0.0012

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.4345	0.0000
2	2.2976	0.0002
15	0.1283	0.0004

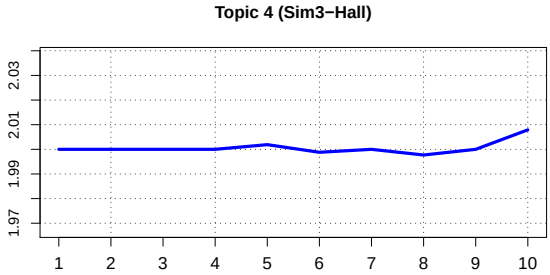
Best matching topic (Topic distance = 0.128, Evolution distance = 0.0004):



V	θ	Size	File	Package
5	1.00	2543	gistxlog.c	src.backend.access.gist
5	1.00	2411	nbtxlog.c	src.backend.access.nbtree
5	0.64	1852	ginxlog.c	src.backend.access.gin
5	0.08	1130	clog.c	src.backend.access.transam
10	1.00	2543	gistxlog.c	src.backend.access.gist
10	1.00	2411	nbtxlog.c	src.backend.access.nbtree
10	0.62	1852	ginxlog.c	src.backend.access.gin
10	0.08	1130	clog.c	src.backend.access.transam
7	1.00	2543	gistxlog.c	src.backend.access.gist
7	1.00	2411	nbtxlog.c	src.backend.access.nbtree
7	0.62	1852	ginxlog.c	src.backend.access.gin
7	0.06	1130	clog.c	src.backend.access.transam

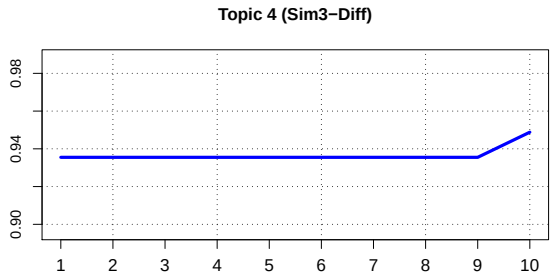
"incomplet split split", {*page buffer xlog node insert xlrec split record lsn btree info*}

Best matching topic evolution (Topic distance = 1.435, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
10	0.80	18475	xlog.c	src.backend.access.transam
10	0.07	1130	clog.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.80	18475	xlog.c	src.backend.access.transam
5	0.07	1130	clog.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.80	18475	xlog.c	src.backend.access.transam
1	0.07	1130	clog.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"control file", {*xlog file record log write ptr rec control page recoveri point*}

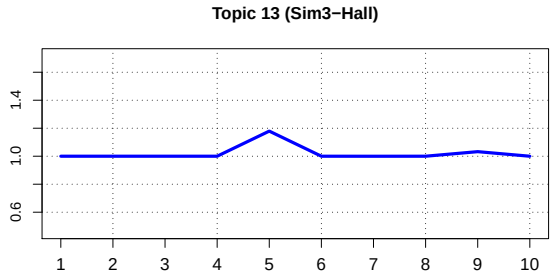
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
13	0.1510	0.0283
15	1.6601	0.0006
2	1.7940	0.0005

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.9837	0.0001
6	2.4484	0.0004
2	1.7940	0.0005

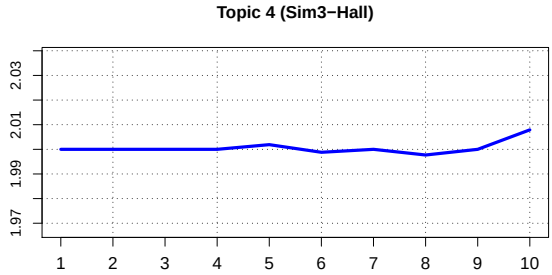
Best matching topic (Topic distance = 0.151, Evolution distance = 0.0283):



V	θ	Size	File	Package
5	1.00	18475	xlog.c	src.backend.access.transam
5	0.11	768	localtime.c	src.timezone
5	0.07	351	strftime.c	src.timezone
5	NA	NA	NA	NA
3	1.00	18475	xlog.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA
7	1.00	18475	xlog.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
7	NA	NA	NA	NA

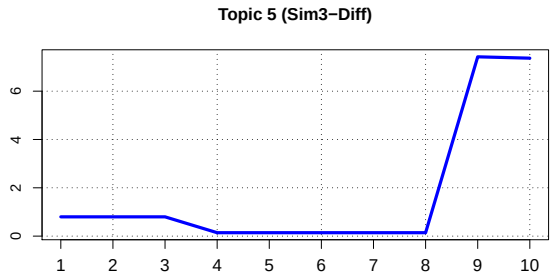
"ctype fcntl signal", {*file xlog record log write ptr control rec page read check*}

Best matching topic evolution (Topic distance = 1.984, Evolution distance = 0.0001):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
9	0.97	214	error.c	src.interfaces.ecpg.ecpglib
9	0.93	601	data.c	src.interfaces.ecpg.ecpglib
9	0.93	474	descriptor.c	src.interfaces.ecpg.ecpglib
9	0.92	51	memory.c	src.interfaces.ecpg.ecpglib
8	0.09	150	ginarrayproc.c	src.backend.access.gin
8	0.04	421	hashfunc.c	src.backend.access.hash
8	NA	NA	NA	NA
8	NA	NA	NA	NA
4	0.09	150	ginarrayproc.c	src.backend.access.gin
4	0.04	421	hashfunc.c	src.backend.access.hash
4	NA	NA	NA	NA
4	NA	NA	NA	NA

"case sql", {*case sqlca ecpg break connect ecpgt var lineno pval act sqlstate*}

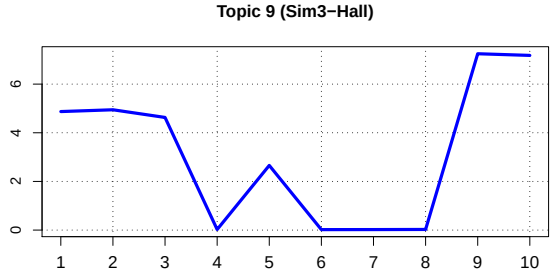
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
9	1.3356	10.9470
7	2.0943	24.5762
5	2.1191	24.7652

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
9	1.3356	10.9470
18	2.8392	22.8892
10	2.5864	23.8054

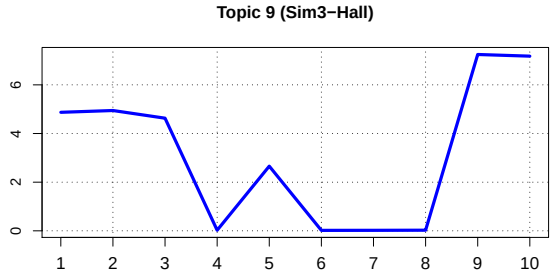
Best matching topic (Topic distance = 1.336, Evolution distance = 10.9470):



V	θ	Size	File	Package
9	1.00	51	memory.c	src.interfaces.ecpg.ecpglib
9	1.00	49	typename.c	src.interfaces.ecpg.ecpglib
9	0.97	214	error.c	src.interfaces.ecpg.ecpglib
9	0.91	435	connect.c	src.interfaces.ecpg.ecpglib
5	0.96	27	scheck.c	src.timezone
5	0.91	351	strftime.c	src.timezone
5	0.76	768	localtime.c	src.timezone
5	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA

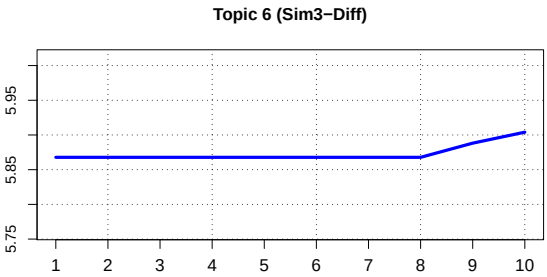
"ecpglog ecpgget", {*var case chr state struct break reg end assert begin sqlca*}

Best matching topic evolution (Topic distance = 1.336, Evolution distance = 10.9470):



V	θ	Size	File	Package
9	1.00	51	memory.c	src.interfaces.ecpg.ecpglib
9	1.00	49	typename.c	src.interfaces.ecpg.ecpglib
9	0.97	214	error.c	src.interfaces.ecpg.ecpglib
9	0.91	435	connect.c	src.interfaces.ecpg.ecpglib
5	0.96	27	scheck.c	src.timezone
5	0.91	351	strftime.c	src.timezone
5	0.76	768	localtime.c	src.timezone
5	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA

"ecpglog ecpgget", {*var case chr state struct break reg end assert begin sqlca*}



V	θ	Size	File	Package
10	0.99	166	nbtcompare.c	src.backend.access.nbtree
10	0.79	623	reloptions.c	src.backend.access.common
10	0.77	150	ginarrayproc.c	src.backend.access.gin
10	0.77	527	ginbulk.c	src.backend.access.gin
5	0.99	166	nbtcompare.c	src.backend.access.nbtree
5	0.79	623	reloptions.c	src.backend.access.common
5	0.77	150	ginarrayproc.c	src.backend.access.gin
5	0.77	527	ginbulk.c	src.backend.access.gin
1	0.99	166	nbtcompare.c	src.backend.access.nbtree
1	0.79	623	reloptions.c	src.backend.access.common
1	0.77	150	ginarrayproc.c	src.backend.access.gin
1	0.77	527	ginbulk.c	src.backend.access.gin

"hentri kei", {*entri datum kei uint list accum getarg function arg nentri hentri*}

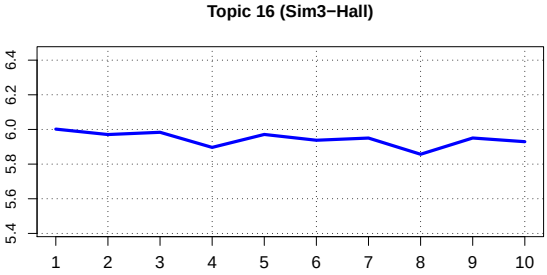
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
16	1.4499	0.0005
19	1.6749	0.0008
8	1.9806	0.0008

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	2.6417	0.0000
2	3.0028	0.0003
15	3.0126	0.0004

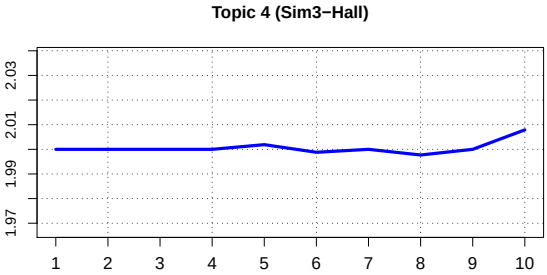
Best matching topic (Topic distance = 1.450, Evolution distance = 0.0005):



V	θ	Size	File	Package
1	1.00	527	ginbulk.c	src.backend.access.gin
1	1.00	1364	gistsplit.c	src.backend.access.gist
1	0.97	623	reloptions.c	src.backend.access.common
1	0.71	1211	gistutil.c	src.backend.access.gist
7	1.00	527	ginbulk.c	src.backend.access.gin
7	1.00	1364	gistsplit.c	src.backend.access.gist
7	0.98	623	reloptions.c	src.backend.access.common
7	0.70	1211	gistutil.c	src.backend.access.gist
8	1.00	527	ginbulk.c	src.backend.access.gin
8	1.00	1364	gistsplit.c	src.backend.access.gist
8	0.97	623	reloptions.c	src.backend.access.common
8	0.71	1211	gistutil.c	src.backend.access.gist

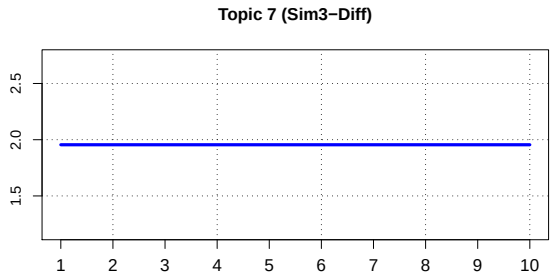
"entri entri", {*entri spl datum giststat split kei len index offset vector tupl*}

Best matching topic evolution (Topic distance = 2.642, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
10	0.79	5171	multixact.c	src.backend.access.transam
10	0.58	1111	varsup.c	src.backend.access.transam
10	0.19	760	subtrans.c	src.backend.access.transam
10	0.16	122	rmgr.c	src.backend.access.transam
5	0.79	5171	multixact.c	src.backend.access.transam
5	0.58	1111	varsup.c	src.backend.access.transam
5	0.19	760	subtrans.c	src.backend.access.transam
5	0.16	122	rmgr.c	src.backend.access.transam
1	0.79	5171	multixact.c	src.backend.access.transam
1	0.58	1111	varsup.c	src.backend.access.transam
1	0.19	760	subtrans.c	src.backend.access.transam
1	0.16	122	rmgr.c	src.backend.access.transam

"multi xact", {*multi xact xid offset member transact mxact oldest page cach debug*}

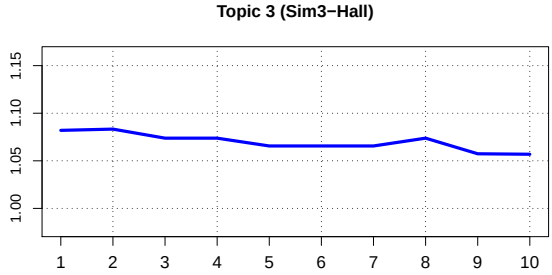
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
3	0.1804	0.0007
6	1.2870	0.0006
2	1.5750	0.0002

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	2.0415	0.0000
2	1.5750	0.0002
15	2.1265	0.0004

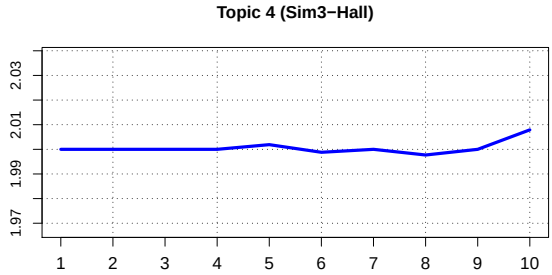
Best matching topic (Topic distance = 0.180, Evolution distance = 0.0007):



V	θ	Size	File	Package
2	1.00	5171	multixact.c	src.backend.access.transam
2	0.08	122	rmgr.c	src.backend.access.transam
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	5171	multixact.c	src.backend.access.transam
7	0.07	122	rmgr.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
10	1.00	5171	multixact.c	src.backend.access.transam
10	0.06	122	rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA

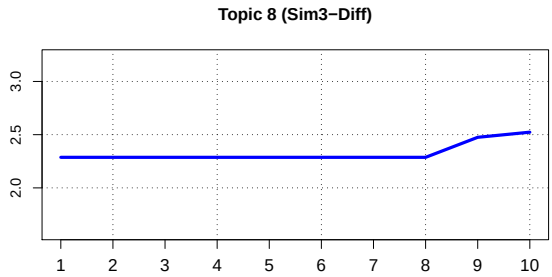
"xact multixact", {*multi xact offset member page mxact transact xid debug oldest lock*}

Best matching topic evolution (Topic distance = 2.042, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
10	0.87	9380	xact.c	src.backend.access.transam
10	0.71	612	transam.c	src.backend.access.transam
10	0.21	760	subtrans.c	src.backend.access.transam
10	0.17	82	twophase_rmgr.c	src.backend.access.transam
5	0.87	9380	xact.c	src.backend.access.transam
5	0.71	612	transam.c	src.backend.access.transam
5	0.21	760	subtrans.c	src.backend.access.transam
5	0.17	82	twophase_rmgr.c	src.backend.access.transam
1	0.87	9380	xact.c	src.backend.access.transam
1	0.71	612	transam.c	src.backend.access.transam
1	0.21	760	subtrans.c	src.backend.access.transam
1	0.17	82	twophase_rmgr.c	src.backend.access.transam

"prepar transact", {*transact state tblock abort case commit block xact xid current context*}

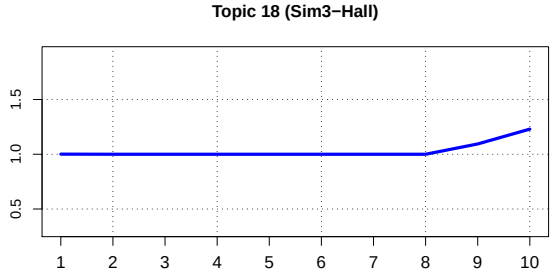
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
18	0.0945	0.0130
6	1.3093	0.0089
10	1.4591	0.0004

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
10	1.4591	0.0004
17	3.0456	0.0043
12	2.4933	0.0046

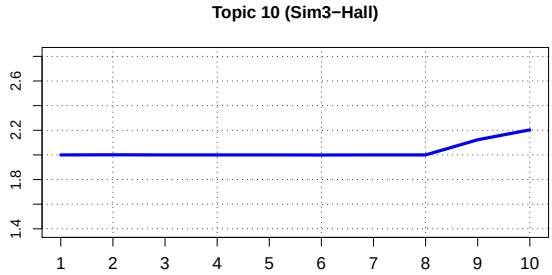
Best matching topic (Topic distance = 0.094, Evolution distance = 0.0130):



V	θ	Size	File	Package
10	1.00	9380	xact.c	src.backend.access.transam
10	0.16	221	prepare.c	src.interfaces.ecpg.ecpglib
10	0.07	526	misc.c	src.interfaces.ecpg.ecpglib
10	NA	NA	NA	NA
6	1.00	9380	xact.c	src.backend.access.transam
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
2	1.00	9380	xact.c	src.backend.access.transam
2	NA	NA	NA	NA
2	NA	NA	NA	NA
2	NA	NA	NA	NA

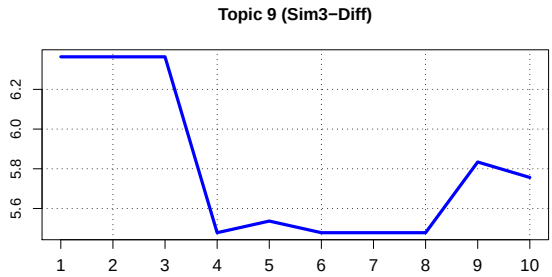
"stmt prev", {*transact state tblock abort case block xact commit current context xid*}

Best matching topic evolution (Topic distance = 1.459, Evolution distance = 0.0004):



V	θ	Size	File	Package
10	1.00	82	twophase_rmgr.c	src.backend.access.transam
10	1.00	4264	twophase.c	src.backend.access.transam
10	0.14	221	prepare.c	src.interfaces.ecpg.ecpglib
10	0.06	750	connect.c	src.interfaces.ecpg.ecpglib
5	1.00	4264	twophase.c	src.backend.access.transam
5	1.00	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
6	1.00	82	twophase_rmgr.c	src.backend.access.transam
6	1.00	4264	twophase.c	src.backend.access.transam
6	NA	NA	NA	NA
6	NA	NA	NA	NA

"length initi share", {*transact phase file xid gxact state prepar record xact lock crc*}



V	θ	Size	File	Package
3	0.54	13	regfree.c	src.backend
3	0.42	862	hio.c	src.backend.access.heap
3	0.36	1111	varsup.c	src.backend.access.transam
3	0.26	125	regerror.c	src.backend
5	0.42	862	hio.c	src.backend.access.heap
5	0.36	1111	varsup.c	src.backend.access.transam
5	0.23	612	transam.c	src.backend.access.transam
5	0.22	2074	hashpage.c	src.backend.access.hash
4	0.42	862	hio.c	src.backend.access.heap
4	0.36	1111	varsup.c	src.backend.access.transam
4	0.23	612	transam.c	src.backend.access.transam
4	0.22	2074	hashpage.c	src.backend.access.hash

"crit section", {*lock size error start set check read note max valid don*}

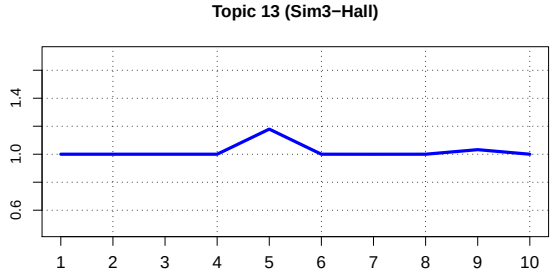
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
13	1.6773	0.0866
4	1.9091	0.0426
10	1.9170	0.0551

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
7	2.2896	0.0361
16	2.2053	0.0369
3	2.5337	0.0374

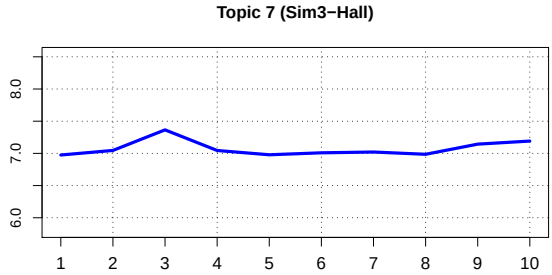
Best matching topic (Topic distance = 1.677, Evolution distance = 0.0866):



V	θ	Size	File	Package
5	1.00	18475	xlog.c	src.backend.access.transam
5	0.11	768	localtime.c	src.timezone
5	0.07	351	strftime.c	src.timezone
5	NA	NA	NA	NA
3	1.00	18475	xlog.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA
3	NA	NA	NA	NA
7	1.00	18475	xlog.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
7	NA	NA	NA	NA

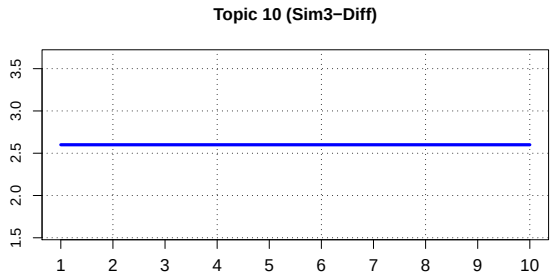
"ctype fcntl signal", {*file xlog record log write ptr control rec page read check*}

Best matching topic evolution (Topic distance = 2.290, Evolution distance = 0.0361):



V	θ	Size	File	Package
3	1.00	2315	nbtree.c	src.backend.access.nbtree
3	0.95	3316	nbtsearch.c	src.backend.access.nbtree
3	0.95	403	gistscan.c	src.backend.access.gist
3	0.74	986	gistget.c	src.backend.access.gist
7	1.00	2315	nbtree.c	src.backend.access.nbtree
7	0.97	403	gistscan.c	src.backend.access.gist
7	0.96	3316	nbtsearch.c	src.backend.access.nbtree
7	0.74	986	gistget.c	src.backend.access.gist
1	1.00	2315	nbtree.c	src.backend.access.nbtree
1	0.97	3316	nbtsearch.c	src.backend.access.nbtree
1	0.96	403	gistscan.c	src.backend.access.gist
1	0.74	986	gistget.c	src.backend.access.gist

"scan kei", {*scan page kei index item opaqu buffer tupl buf curr lock*}



V	θ	Size	File	Package
10	0.98	1721	gistproc.c	src.backend.access.gist
10	0.98	1364	gistsplit.c	src.backend.access.gist
10	0.54	1211	gistutil.c	src.backend.access.gist
10	0.08	2787	gist.c	src.backend.access.gist
5	0.98	1721	gistproc.c	src.backend.access.gist
5	0.98	1364	gistsplit.c	src.backend.access.gist
5	0.54	1211	gistutil.c	src.backend.access.gist
5	0.08	2787	gist.c	src.backend.access.gist
1	0.98	1721	gistproc.c	src.backend.access.gist
1	0.98	1364	gistsplit.c	src.backend.access.gist
1	0.54	1211	gistutil.c	src.backend.access.gist
1	0.08	2787	gist.c	src.backend.access.gist

"spl nright", {*spl box datum split giststat offset kei entri vector gist attno*}

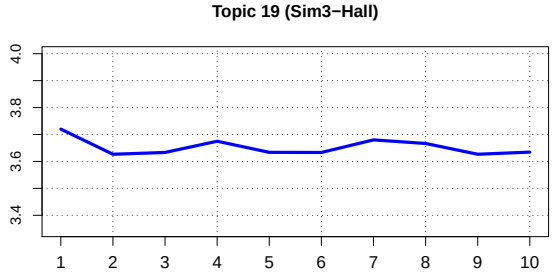
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
19	0.5722	0.0007
16	0.7733	0.0005
7	1.9576	0.0028

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	2.4084	0.0000
2	2.7802	0.0002
15	2.3661	0.0004

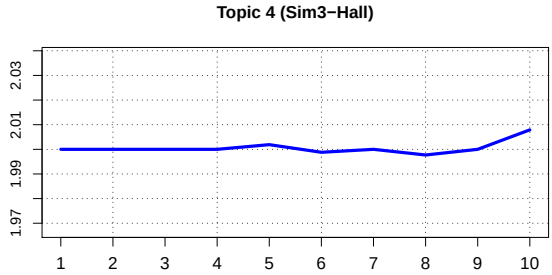
Best matching topic (Topic distance = 0.572, Evolution distance = 0.0007):



V	θ	Size	File	Package
1	1.00	1721	gistproc.c	src.backend.access.gist
1	1.00	421	hashfunc.c	src.backend.access.hash
1	1.00	166	nbtcompare.c	src.backend.access.nbtree
1	0.72	150	ginarrayproc.c	src.backend.access.gin
5	1.00	1721	gistproc.c	src.backend.access.gist
5	1.00	421	hashfunc.c	src.backend.access.hash
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.63	150	ginarrayproc.c	src.backend.access.gin
2	1.00	1721	gistproc.c	src.backend.access.gist
2	1.00	421	hashfunc.c	src.backend.access.hash
2	1.00	166	nbtcompare.c	src.backend.access.nbtree
2	0.63	150	ginarrayproc.c	src.backend.access.gin

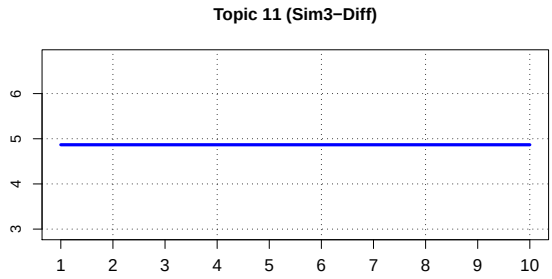
"elmlen elmbyv elmalign", {*box datum kei function getarg strategi high low spl queri uint*}

Best matching topic evolution (Topic distance = 2.408, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
10	0.99	1599	gindatapage.c	src.backend.access.gin
10	0.97	1525	ginentrypage.c	src.backend.access.gin
10	0.53	1152	ginbtree.c	src.backend.access.gin
10	0.46	1075	ginget.c	src.backend.access.gin
5	0.99	1599	gindatapage.c	src.backend.access.gin
5	0.97	1525	ginentrypage.c	src.backend.access.gin
5	0.53	1152	ginbtree.c	src.backend.access.gin
5	0.46	1075	ginget.c	src.backend.access.gin
1	0.99	1599	gindatapage.c	src.backend.access.gin
1	0.97	1525	ginentrypage.c	src.backend.access.gin
1	0.53	1152	ginbtree.c	src.backend.access.gin
1	0.46	1075	ginget.c	src.backend.access.gin

"post tree", {*page gin item btree buffer offset index post itup stack block*}

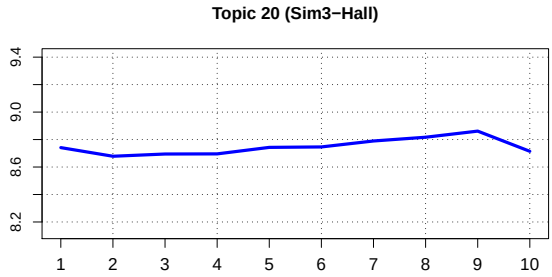
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
20	0.4597	0.0004
14	1.1829	0.0012
15	1.2877	0.0004

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.6774	0.0000
2	2.4675	0.0002
15	1.2877	0.0004

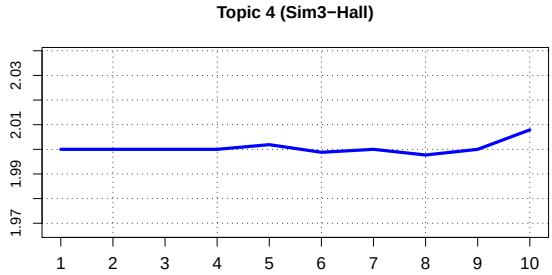
Best matching topic (Topic distance = 0.460, Evolution distance = 0.0004):



V	θ	Size	File	Package
9	1.00	1152	ginbtree.c	src.backend.access.gin
9	1.00	1599	gindatapage.c	src.backend.access.gin
9	1.00	1525	ginentrypage.c	src.backend.access.gin
9	1.00	1747	ginvacuum.c	src.backend.access.gin
1	1.00	1152	ginbtree.c	src.backend.access.gin
1	1.00	1599	gindatapage.c	src.backend.access.gin
1	1.00	1525	ginentrypage.c	src.backend.access.gin
1	1.00	1747	ginvacuum.c	src.backend.access.gin
2	1.00	1152	ginbtree.c	src.backend.access.gin
2	1.00	1599	gindatapage.c	src.backend.access.gin
2	1.00	1525	ginentrypage.c	src.backend.access.gin
2	1.00	1747	ginvacuum.c	src.backend.access.gin

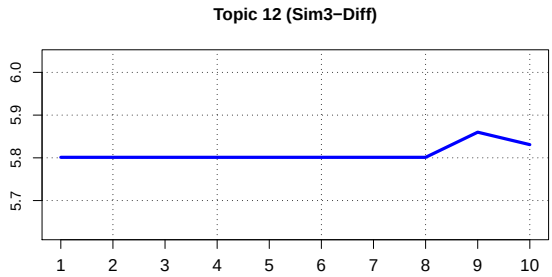
"page page", {*page buffer gin index item stack btree blkno offset ptr tupl*}

Best matching topic evolution (Topic distance = 1.677, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
9	0.91	1986	gistvacuum.c	src.backend.access.gist
9	0.85	2787	gist.c	src.backend.access.gist
9	0.62	1747	ginvacuum.c	src.backend.access.gin
9	0.47	2315	nbtree.c	src.backend.access.nbtree
5	0.91	1986	gistvacuum.c	src.backend.access.gist
5	0.85	2787	gist.c	src.backend.access.gist
5	0.62	1747	ginvacuum.c	src.backend.access.gin
5	0.47	2315	nbtree.c	src.backend.access.nbtree
1	0.91	1986	gistvacuum.c	src.backend.access.gist
1	0.85	2787	gist.c	src.backend.access.gist
1	0.62	1747	ginvacuum.c	src.backend.access.gin
1	0.47	2315	nbtree.c	src.backend.access.nbtree

"buffer buffer", {*page buffer index tupl stack state ptr blkno gist parent block*}

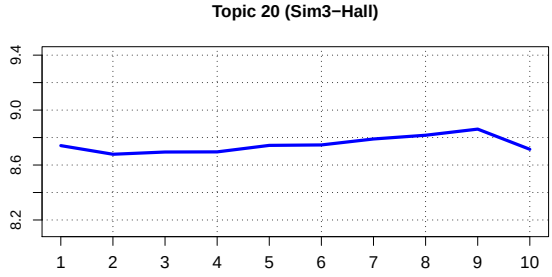
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
20	0.5217	0.0003
14	1.0408	0.0012
15	1.1106	0.0004

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.2057	0.0001
20	0.5217	0.0003
6	3.0084	0.0003

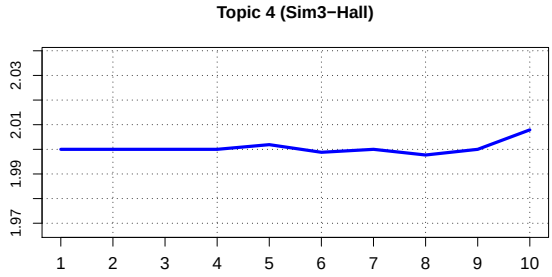
Best matching topic (Topic distance = 0.522, Evolution distance = 0.0003):



V	θ	Size	File	Package
9	1.00	1152	ginbtree.c	src.backend.access.gin
9	1.00	1599	gindatapage.c	src.backend.access.gin
9	1.00	1525	ginentrypage.c	src.backend.access.gin
9	1.00	1747	ginvacuum.c	src.backend.access.gin
1	1.00	1152	ginbtree.c	src.backend.access.gin
1	1.00	1599	gindatapage.c	src.backend.access.gin
1	1.00	1525	ginentrypage.c	src.backend.access.gin
1	1.00	1747	ginvacuum.c	src.backend.access.gin
2	1.00	1152	ginbtree.c	src.backend.access.gin
2	1.00	1599	gindatapage.c	src.backend.access.gin
2	1.00	1525	ginentrypage.c	src.backend.access.gin
2	1.00	1747	ginvacuum.c	src.backend.access.gin

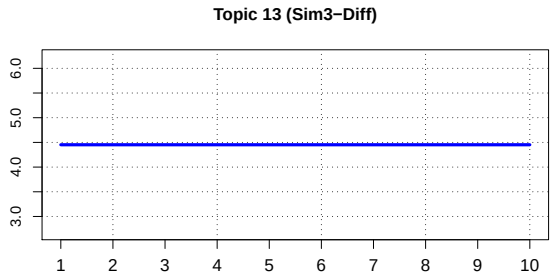
"page page", {*page buffer gin index item stack btree blkno offset ptr tupl*}

Best matching topic evolution (Topic distance = 1.206, Evolution distance = 0.0001):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
10	0.86	1988	hashovfl.c	src.backend.access.hash
10	0.79	560	hashinsert.c	src.backend.access.hash
10	0.75	2074	hashpage.c	src.backend.access.hash
10	0.65	863	hashsearch.c	src.backend.access.hash
5	0.86	1988	hashovfl.c	src.backend.access.hash
5	0.79	560	hashinsert.c	src.backend.access.hash
5	0.75	2074	hashpage.c	src.backend.access.hash
5	0.65	863	hashsearch.c	src.backend.access.hash
1	0.86	1988	hashovfl.c	src.backend.access.hash
1	0.79	560	hashinsert.c	src.backend.access.hash
1	0.75	2074	hashpage.c	src.backend.access.hash
1	0.65	863	hashsearch.c	src.backend.access.hash

"opaqu hash", {*hash page bucket rel buffer metap block hashm buf write relat*}

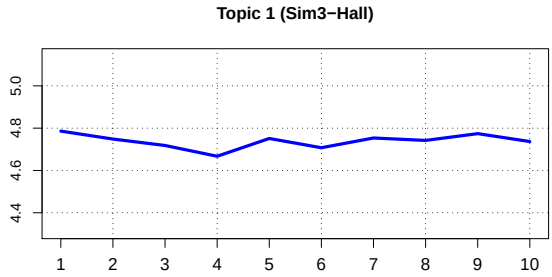
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
1	0.1577	0.0005
14	1.2677	0.0012
20	1.6920	0.0004

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.7103	0.0000
2	2.2698	0.0002
15	1.9348	0.0004

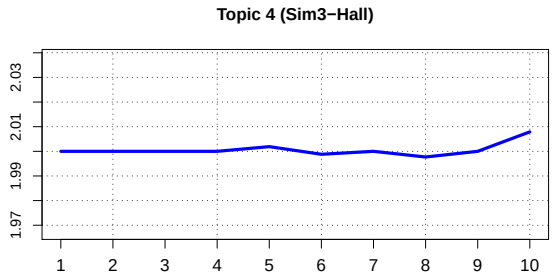
Best matching topic (Topic distance = 0.158, Evolution distance = 0.0005):



V	θ	Size	File	Package
1	1.00	560	hashinsert.c	src.backend.access.hash
1	1.00	1988	hashovfl.c	src.backend.access.hash
1	1.00	2074	hashpage.c	src.backend.access.hash
1	0.59	863	hashsearch.c	src.backend.access.hash
8	1.00	560	hashinsert.c	src.backend.access.hash
8	1.00	1988	hashovfl.c	src.backend.access.hash
8	1.00	2074	hashpage.c	src.backend.access.hash
8	0.58	863	hashsearch.c	src.backend.access.hash
4	1.00	560	hashinsert.c	src.backend.access.hash
4	1.00	1988	hashovfl.c	src.backend.access.hash
4	1.00	2074	hashpage.c	src.backend.access.hash
4	0.56	863	hashsearch.c	src.backend.access.hash

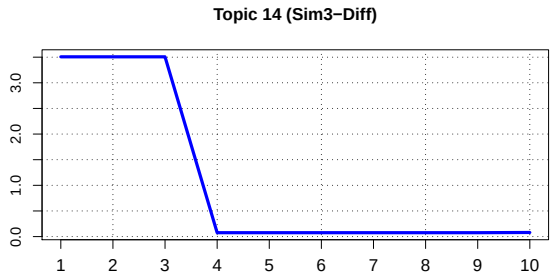
"hash chgbufaccess rel", {*hash page bucket rel buffer metap lock block hashm buf index*}

Best matching topic evolution (Topic distance = 1.710, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
3	1.00	1301	regexec.c	src.backend
3	0.98	2356	regcomp.c	src.backend
3	0.92	551	rege_dfa.c	src.backend
3	0.46	13	regfree.c	src.backend
8	0.04	217	hashscan.c	src.backend.access.hash
8	NA	NA	NA	NA
8	NA	NA	NA	NA
8	NA	NA	NA	NA
4	0.04	217	hashscan.c	src.backend.access.hash
4	NA	NA	NA	NA
4	NA	NA	NA	NA
4	NA	NA	NA	NA

"scan consist fine", {*chr state reg assert end var struct begin subr left cnfa*}

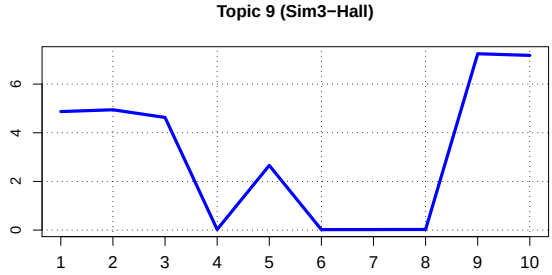
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
9	0.4882	18.5484
13	2.1579	20.6288
10	2.2748	20.5222

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
9	0.4882	18.5484
3	2.9262	20.0434
7	2.3600	20.0794

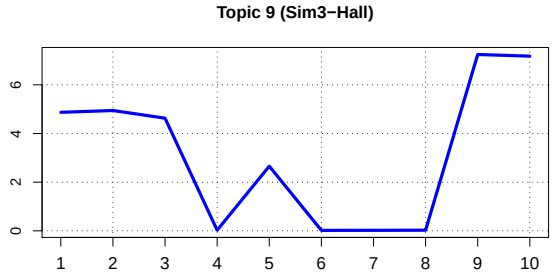
Best matching topic (Topic distance = 0.488, Evolution distance = 18.5484):



V	θ	Size	File	Package
9	1.00	51	memory.c	src.interfaces.ecpg.ecpglib
9	1.00	49	typename.c	src.interfaces.ecpg.ecpglib
9	0.97	214	error.c	src.interfaces.ecpg.ecpglib
9	0.91	435	connect.c	src.interfaces.ecpg.ecpglib
5	0.96	27	scheck.c	src.timezone
5	0.91	351	strftime.c	src.timezone
5	0.76	768	localtime.c	src.timezone
5	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA

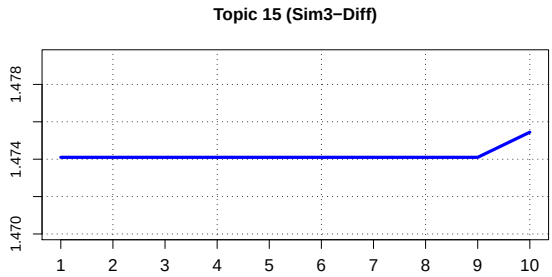
"ecpglog ecpgget", {*var case chr state struct break reg end assert begin sqlca*}

Best matching topic evolution (Topic distance = 0.488, Evolution distance = 18.5484):



V	θ	Size	File	Package
9	1.00	51	memory.c	src.interfaces.ecpg.ecpglib
9	1.00	49	typename.c	src.interfaces.ecpg.ecpglib
9	0.97	214	error.c	src.interfaces.ecpg.ecpglib
9	0.91	435	connect.c	src.interfaces.ecpg.ecpglib
5	0.96	27	scheck.c	src.timezone
5	0.91	351	strftime.c	src.timezone
5	0.76	768	localtime.c	src.timezone
5	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA

"ecpglog ecpgget", {*var case chr state struct break reg end assert begin sqlca*}



V	θ	Size	File	Package
10	0.77	4264	twophase.c	src.backend.access.transam
10	0.70	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.77	4264	twophase.c	src.backend.access.transam
5	0.70	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.77	4264	twophase.c	src.backend.access.transam
1	0.70	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"state file", {*phase gxact file xid transact state prepar record xact crc proc*}

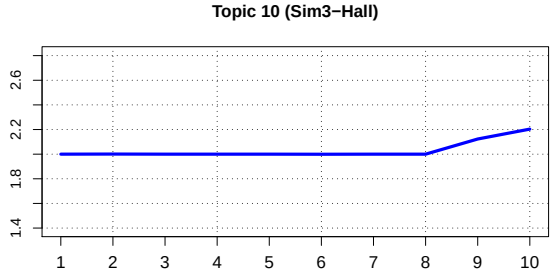
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
10	0.1812	0.0109
13	1.5362	0.0276
18	1.6099	0.0474

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	2.0285	0.0000
2	2.2590	0.0002
15	2.3060	0.0004

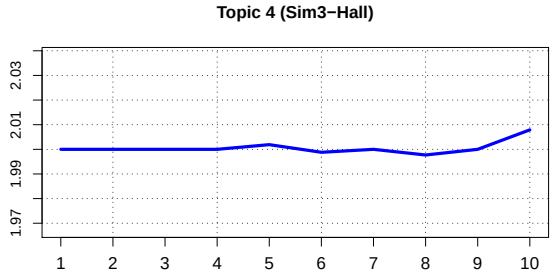
Best matching topic (Topic distance = 0.181, Evolution distance = 0.0109):



V	θ	Size	File	Package
10	1.00	82	twophase_rmgr.c	src.backend.access.transam
10	1.00	4264	twophase.c	src.backend.access.transam
10	0.14	221	prepare.c	src.interfaces.ecpg.ecpglib
10	0.06	750	connect.c	src.interfaces.ecpg.ecpglib
5	1.00	4264	twophase.c	src.backend.access.transam
5	1.00	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
6	1.00	82	twophase_rmgr.c	src.backend.access.transam
6	1.00	4264	twophase.c	src.backend.access.transam
6	NA	NA	NA	NA
6	NA	NA	NA	NA

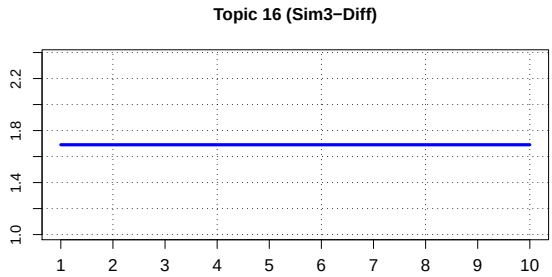
"length initi share", {*transact phase file xid gxact state prepar record xact lock crc*}

Best matching topic evolution (Topic distance = 2.029, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
10	0.82	9907	heapam.c	src.backend.access.heap
10	0.57	862	hio.c	src.backend.access.heap
10	0.18	1408	indexam.c	src.backend.access.index
10	0.06	554	genam.c	src.backend.access.index
5	0.82	9907	heapam.c	src.backend.access.heap
5	0.57	862	hio.c	src.backend.access.heap
5	0.18	1408	indexam.c	src.backend.access.index
5	0.06	554	genam.c	src.backend.access.index
1	0.82	9907	heapam.c	src.backend.access.heap
1	0.57	862	hio.c	src.backend.access.heap
1	0.18	1408	indexam.c	src.backend.access.index
1	0.06	554	genam.c	src.backend.access.index

"buffer buffer buffer", {*buffer tupl heap page relat lock scan item xmax updat xlog*}

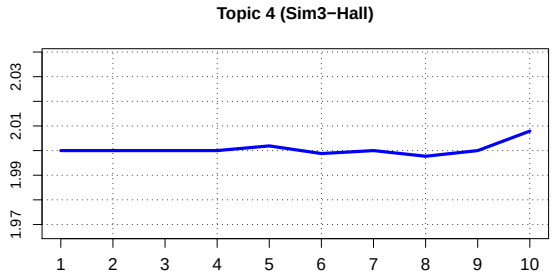
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
4	0.1455	0.0000
15	1.1743	0.0004
7	1.3818	0.0028

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	0.1455	0.0000
2	2.0949	0.0002
15	1.1743	0.0004

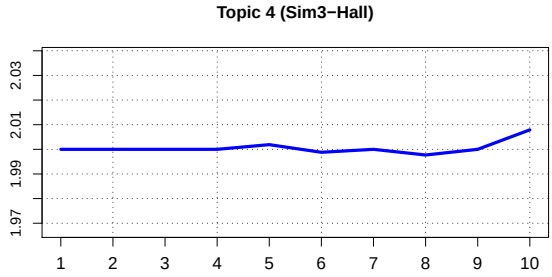
Best matching topic (Topic distance = 0.145, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

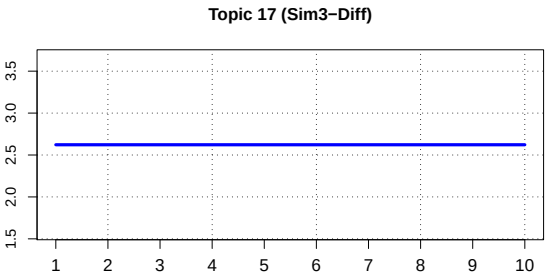
"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}

Best matching topic evolution (Topic distance = 0.145, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
10	0.74	4385	nbtinsert.c	src.backend.access.nbtree
10	0.74	3270	nbtpage.c	src.backend.access.nbtree
10	0.42	3316	nbtsearch.c	src.backend.access.nbtree
10	0.27	1762	nbtsort.c	src.backend.access.nbtree
5	0.74	4385	nbtinsert.c	src.backend.access.nbtree
5	0.74	3270	nbtpage.c	src.backend.access.nbtree
5	0.42	3316	nbtsearch.c	src.backend.access.nbtree
5	0.27	1762	nbtsort.c	src.backend.access.nbtree
1	0.74	4385	nbtinsert.c	src.backend.access.nbtree
1	0.74	3270	nbtpage.c	src.backend.access.nbtree
1	0.42	3316	nbtsearch.c	src.backend.access.nbtree
1	0.27	1762	nbtsort.c	src.backend.access.nbtree

"buf buffer", {*page buffer item rel opaqu buf offset btpage btpo btree itup*}

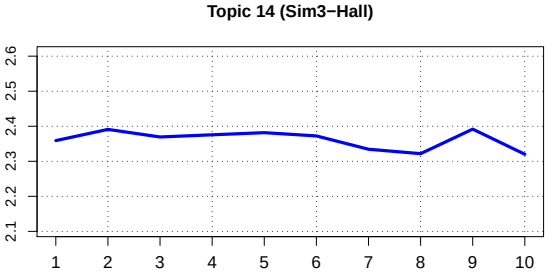
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
14	0.2580	0.0012
20	1.0561	0.0004
7	1.2312	0.0028

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.5991	0.0000
2	2.3456	0.0002
15	1.2339	0.0004

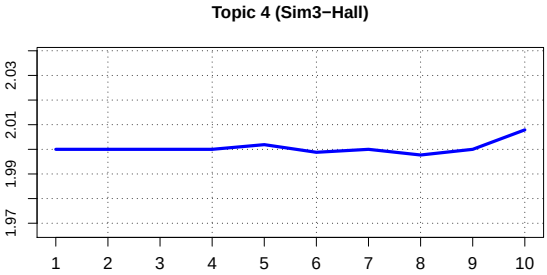
Best matching topic (Topic distance = 0.258, Evolution distance = 0.0012):



V	θ	Size	File	Package
9	1.00	4385	nbtinsert.c	src.backend.access.nbtree
9	1.00	3270	nbtpage.c	src.backend.access.nbtree
9	0.34	1762	nbtsort.c	src.backend.access.nbtree
9	0.05	3316	nbtsearch.c	src.backend.access.nbtree
3	1.00	4385	nbtinsert.c	src.backend.access.nbtree
3	1.00	3270	nbtpage.c	src.backend.access.nbtree
3	0.32	1762	nbtsort.c	src.backend.access.nbtree
3	0.05	3316	nbtsearch.c	src.backend.access.nbtree
10	1.00	4385	nbtinsert.c	src.backend.access.nbtree
10	1.00	3270	nbtpage.c	src.backend.access.nbtree
10	0.28	1762	nbtsort.c	src.backend.access.nbtree
10	0.04	3316	nbtsearch.c	src.backend.access.nbtree

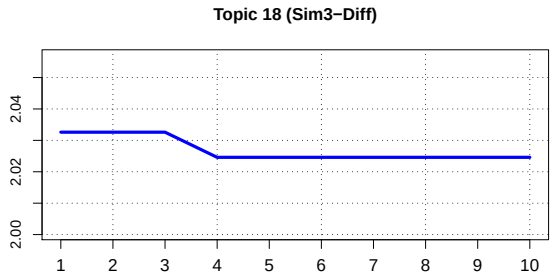
"write page", {*page buffer item rel opaqu lock offset root buf split itup*}

Best matching topic evolution (Topic distance = 1.599, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
3	0.82	2756	slru.c	src.backend.access.transam
3	0.61	1130	clog.c	src.backend.access.transam
3	0.48	760	subtrans.c	src.backend.access.transam
3	0.07	5171	multixact.c	src.backend.access.transam
8	0.82	2756	slru.c	src.backend.access.transam
8	0.61	1130	clog.c	src.backend.access.transam
8	0.48	760	subtrans.c	src.backend.access.transam
8	0.07	5171	multixact.c	src.backend.access.transam
4	0.82	2756	slru.c	src.backend.access.transam
4	0.61	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	0.07	5171	multixact.c	src.backend.access.transam

"share page statu", {*page slru share slotno ctl clog lru pageno statu write file*}

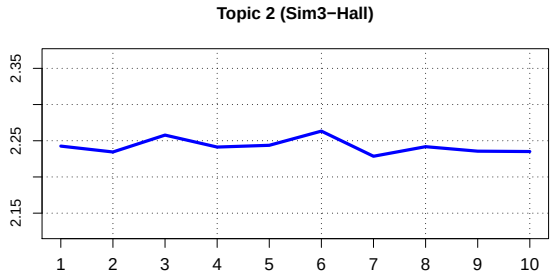
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
2	0.2125	0.0002
6	1.8310	0.0008
13	1.8457	0.0281

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	2.1004	0.0001
2	0.2125	0.0002
16	2.6582	0.0003

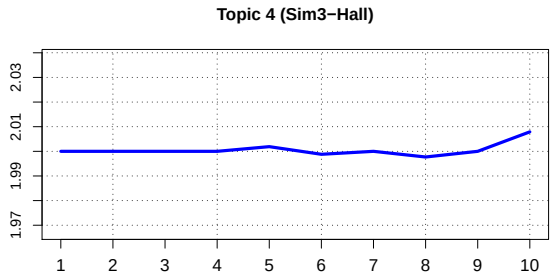
Best matching topic (Topic distance = 0.213, Evolution distance = 0.0002):



V	θ	Size	File	Package
6	1.00	2756	slru.c	src.backend.access.transam
6	0.77	1130	clog.c	src.backend.access.transam
6	0.49	760	subtrans.c	src.backend.access.transam
6	NA	NA	NA	NA
4	1.00	2756	slru.c	src.backend.access.transam
4	0.76	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	NA	NA	NA	NA
7	1.00	2756	slru.c	src.backend.access.transam
7	0.76	1130	clog.c	src.backend.access.transam
7	0.47	760	subtrans.c	src.backend.access.transam
7	NA	NA	NA	NA

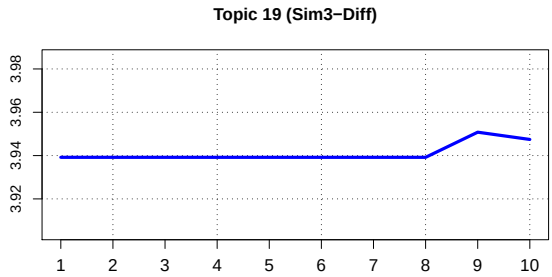
"ctl pageno", {*page slru share slotno ctl clog pageno lru lock write statu*}

Best matching topic evolution (Topic distance = 2.100, Evolution distance = 0.0001):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
9	0.91	3553	heaptuple.c	src.backend.access.common
9	0.89	2945	tuptoaster.c	src.backend.access.heap
9	0.86	642	indextuple.c	src.backend.access.common
9	0.81	1340	tupdesc.c	src.backend.access.common
5	0.91	3553	heaptuple.c	src.backend.access.common
5	0.89	2945	tuptoaster.c	src.backend.access.heap
5	0.86	642	indextuple.c	src.backend.access.common
5	0.81	1340	tupdesc.c	src.backend.access.common
1	0.91	3553	heaptuple.c	src.backend.access.common
1	0.89	2945	tuptoaster.c	src.backend.access.heap
1	0.86	642	indextuple.c	src.backend.access.common
1	0.81	1340	tupdesc.c	src.backend.access.common

"tupl desc", {*tupl heap desc toast attribut att attr datum valu attnum size*}

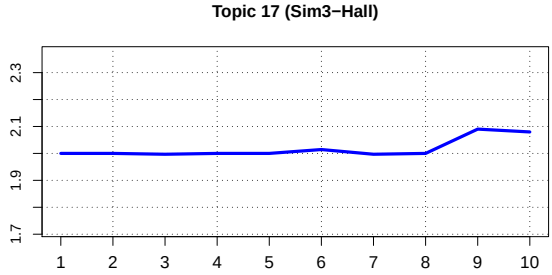
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
17	0.2407	0.0025
11	0.5583	0.0057
12	1.1585	0.0028

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.8931	0.0000
2	2.9012	0.0002
20	2.6849	0.0004

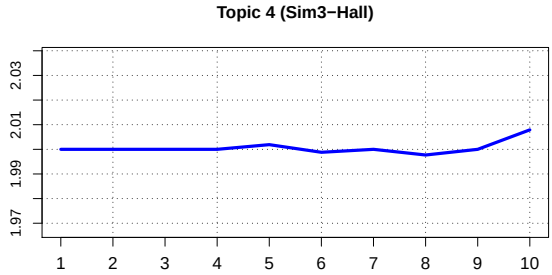
Best matching topic (Topic distance = 0.241, Evolution distance = 0.0025):



V	θ	Size	File	Package
9	1.00	3553	heaptuple.c	src.backend.access.common
9	1.00	642	indextuple.c	src.backend.access.common
9	0.09	601	data.c	src.interfaces.ecpg.ecpglib
9	NA	NA	NA	NA
4	1.00	3553	heaptuple.c	src.backend.access.common
4	1.00	642	indextuple.c	src.backend.access.common
4	NA	NA	NA	NA
4	NA	NA	NA	NA
3	1.00	3553	heaptuple.c	src.backend.access.common
3	1.00	642	indextuple.c	src.backend.access.common
3	NA	NA	NA	NA
3	NA	NA	NA	NA

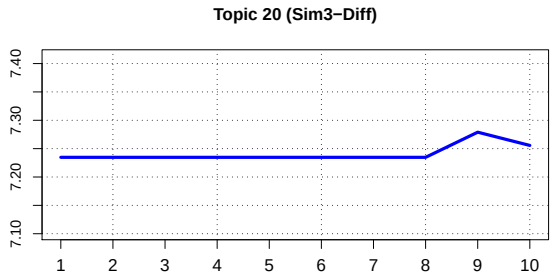
"len break", {*tupl heap att attribut attnum valu isnul datum slot desc natt*}

Best matching topic evolution (Topic distance = 1.893, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}



V	θ	Size	File	Package
9	0.79	220	scankey.c	src.backend.access.common
9	0.76	554	genam.c	src.backend.access.index
9	0.72	2438	nbtutils.c	src.backend.access.nbtree
9	0.69	1408	indexam.c	src.backend.access.index
5	0.79	220	scankey.c	src.backend.access.common
5	0.76	554	genam.c	src.backend.access.index
5	0.72	2438	nbtutils.c	src.backend.access.nbtree
5	0.69	1408	indexam.c	src.backend.access.index
1	0.79	220	scankey.c	src.backend.access.common
1	0.76	554	genam.c	src.backend.access.index
1	0.72	2438	nbtutils.c	src.backend.access.nbtree
1	0.69	1408	indexam.c	src.backend.access.index

"scan kei", {*scan index kei item opaqu datum relat info desc curr tupl*}

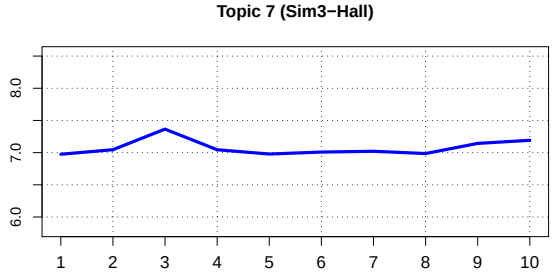
Top 3 matching topics in Sim3-Hall:

Topic	Dist.	EvoDist.
7	0.6154	0.0026
5	0.8608	0.0008
11	1.6368	0.0058

Top 3 matching topic evolutions in Sim3-Hall:

Topic	Dist.	EvoDist.
4	1.6594	0.0000
2	2.7343	0.0003
20	2.3310	0.0003

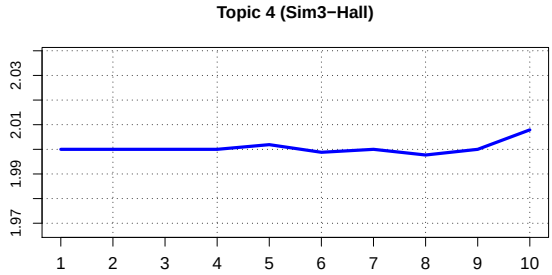
Best matching topic (Topic distance = 0.615, Evolution distance = 0.0026):



V	θ	Size	File	Package
3	1.00	2315	nbtree.c	src.backend.access.nbtree
3	0.95	3316	nbtsearch.c	src.backend.access.nbtree
3	0.95	403	gistscan.c	src.backend.access.gist
3	0.74	986	gistget.c	src.backend.access.gist
7	1.00	2315	nbtree.c	src.backend.access.nbtree
7	0.97	403	gistscan.c	src.backend.access.gist
7	0.96	3316	nbtsearch.c	src.backend.access.nbtree
7	0.74	986	gistget.c	src.backend.access.gist
1	1.00	2315	nbtree.c	src.backend.access.nbtree
1	0.97	3316	nbtsearch.c	src.backend.access.nbtree
1	0.96	403	gistscan.c	src.backend.access.gist
1	0.74	986	gistget.c	src.backend.access.gist

"scan kei", {*scan page kei index item opaqu buffer tupl buf curr lock*}

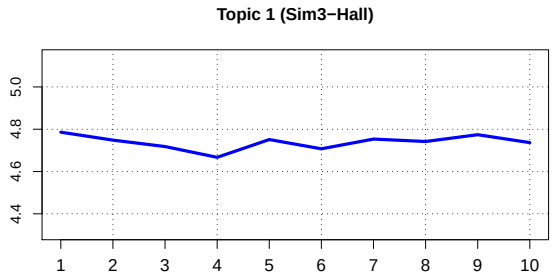
Best matching topic evolution (Topic distance = 1.659, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}

5.2 Hall



V	θ	Size	File	Package
1	1.00	560	hashinsert.c	src.backend.access.hash
1	1.00	1988	hashovfl.c	src.backend.access.hash
1	1.00	2074	hashpage.c	src.backend.access.hash
1	0.59	863	hashsearch.c	src.backend.access.hash
8	1.00	560	hashinsert.c	src.backend.access.hash
8	1.00	1988	hashovfl.c	src.backend.access.hash
8	1.00	2074	hashpage.c	src.backend.access.hash
8	0.58	863	hashsearch.c	src.backend.access.hash
4	1.00	560	hashinsert.c	src.backend.access.hash
4	1.00	1988	hashovfl.c	src.backend.access.hash
4	1.00	2074	hashpage.c	src.backend.access.hash
4	0.56	863	hashsearch.c	src.backend.access.hash

"hash chgbufaccess rel", {*hash page bucket rel buffer metap lock block hashm buf index*}

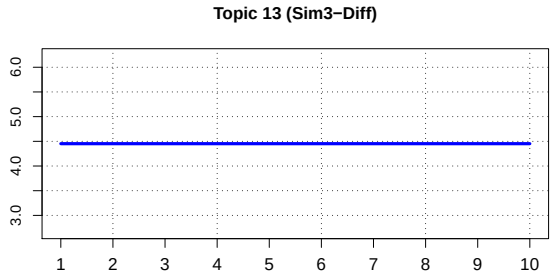
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
13	0.0855	0.0005
9	1.2064	0.0397
17	1.2617	0.0005

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
20	2.0394	0.0004
12	1.4667	0.0004
19	2.2420	0.0004

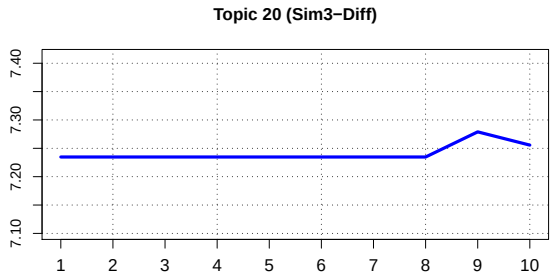
Best matching topic (Topic distance = 0.085, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.86	1988	hashovfl.c	src.backend.access.hash
10	0.79	560	hashinsert.c	src.backend.access.hash
10	0.75	2074	hashpage.c	src.backend.access.hash
10	0.65	863	hashsearch.c	src.backend.access.hash
5	0.86	1988	hashovfl.c	src.backend.access.hash
5	0.79	560	hashinsert.c	src.backend.access.hash
5	0.75	2074	hashpage.c	src.backend.access.hash
5	0.65	863	hashsearch.c	src.backend.access.hash
1	0.86	1988	hashovfl.c	src.backend.access.hash
1	0.79	560	hashinsert.c	src.backend.access.hash
1	0.75	2074	hashpage.c	src.backend.access.hash
1	0.65	863	hashsearch.c	src.backend.access.hash

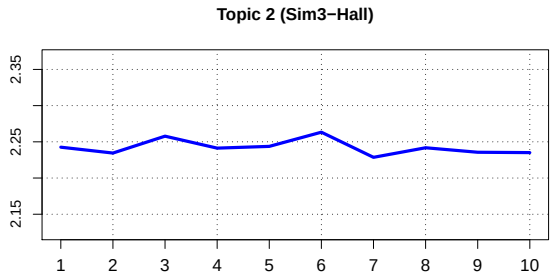
"opaqu hash", {*hash page bucket rel buffer metap block hashm buf write relat*}

Best matching topic evolution (Topic distance = 2.039, Evolution distance = 0.0004):



V	θ	Size	File	Package
9	0.79	220	scankey.c	src.backend.access.common
9	0.76	554	genam.c	src.backend.access.index
9	0.72	2438	nbtutils.c	src.backend.access.nbtree
9	0.69	1408	indexam.c	src.backend.access.index
5	0.79	220	scankey.c	src.backend.access.common
5	0.76	554	genam.c	src.backend.access.index
5	0.72	2438	nbtutils.c	src.backend.access.nbtree
5	0.69	1408	indexam.c	src.backend.access.index
1	0.79	220	scankey.c	src.backend.access.common
1	0.76	554	genam.c	src.backend.access.index
1	0.72	2438	nbtutils.c	src.backend.access.nbtree
1	0.69	1408	indexam.c	src.backend.access.index

"scan kei", {*scan index kei item opaqu datum relat info desc curr tupl*}



V	θ	Size	File	Package
6	1.00	2756	slru.c	src.backend.access.transam
6	0.77	1130	clog.c	src.backend.access.transam
6	0.49	760	subtrans.c	src.backend.access.transam
6	NA	NA	NA	NA
4	1.00	2756	slru.c	src.backend.access.transam
4	0.76	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	NA	NA	NA	NA
7	1.00	2756	slru.c	src.backend.access.transam
7	0.76	1130	clog.c	src.backend.access.transam
7	0.47	760	subtrans.c	src.backend.access.transam
7	NA	NA	NA	NA

"ctl pageno", {*page slru share slotno ctl clog pageno lru lock write statu*}

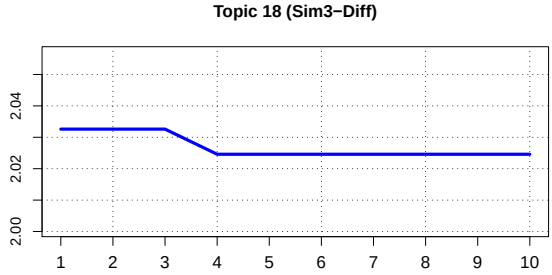
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
18	0.1167	0.0002
9	1.3184	0.0425
4	1.4465	0.0005

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
7	1.9783	0.0002
16	2.1012	0.0002
17	2.1713	0.0002

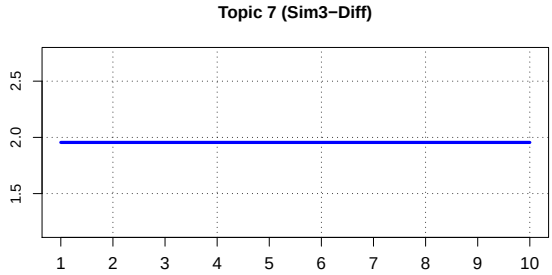
Best matching topic (Topic distance = 0.117, Evolution distance = 0.0002):



V	θ	Size	File	Package
3	0.82	2756	slru.c	src.backend.access.transam
3	0.61	1130	clog.c	src.backend.access.transam
3	0.48	760	subtrans.c	src.backend.access.transam
3	0.07	5171	multixact.c	src.backend.access.transam
8	0.82	2756	slru.c	src.backend.access.transam
8	0.61	1130	clog.c	src.backend.access.transam
8	0.48	760	subtrans.c	src.backend.access.transam
8	0.07	5171	multixact.c	src.backend.access.transam
4	0.82	2756	slru.c	src.backend.access.transam
4	0.61	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	0.07	5171	multixact.c	src.backend.access.transam

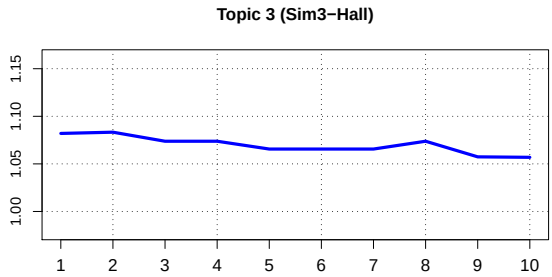
"share page statu", {*page slru share slotno ctl clog lru pageno statu write file*}

Best matching topic evolution (Topic distance = 1.978, Evolution distance = 0.0002):



V	θ	Size	File	Package
10	0.79	5171	multixact.c	src.backend.access.transam
10	0.58	1111	varsup.c	src.backend.access.transam
10	0.19	760	subtrans.c	src.backend.access.transam
10	0.16	122	rmgr.c	src.backend.access.transam
5	0.79	5171	multixact.c	src.backend.access.transam
5	0.58	1111	varsup.c	src.backend.access.transam
5	0.19	760	subtrans.c	src.backend.access.transam
5	0.16	122	rmgr.c	src.backend.access.transam
1	0.79	5171	multixact.c	src.backend.access.transam
1	0.58	1111	varsup.c	src.backend.access.transam
1	0.19	760	subtrans.c	src.backend.access.transam
1	0.16	122	rmgr.c	src.backend.access.transam

"multi xact", {*multi xact xid offset member transact mxact oldest page cach debug*}



V	θ	Size	File	Package
2	1.00	5171	multixact.c	src.backend.access.transam
2	0.08	122	rmgr.c	src.backend.access.transam
2	NA	NA	NA	NA
2	NA	NA	NA	NA
7	1.00	5171	multixact.c	src.backend.access.transam
7	0.07	122	rmgr.c	src.backend.access.transam
7	NA	NA	NA	NA
7	NA	NA	NA	NA
10	1.00	5171	multixact.c	src.backend.access.transam
10	0.06	122	rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA

"xact multixact", {*multi xact offset member page mxact transact xid debug oldest lock*}

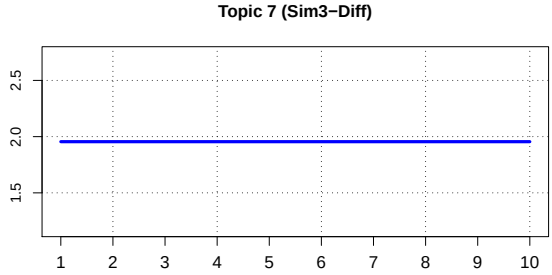
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
7	0.1770	0.0007
9	1.2587	0.0374
18	1.2953	0.0005

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
18	1.2953	0.0005
7	0.1770	0.0007
16	2.0427	0.0007

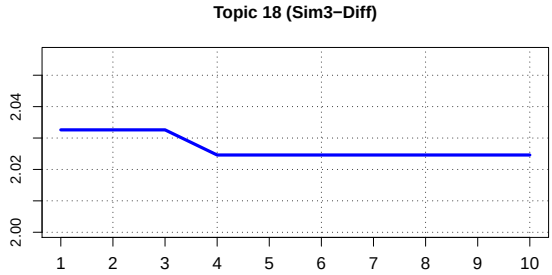
Best matching topic (Topic distance = 0.177, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.79	5171	multixact.c	src.backend.access.transam
10	0.58	1111	varsup.c	src.backend.access.transam
10	0.19	760	subtrans.c	src.backend.access.transam
10	0.16	122	rmgr.c	src.backend.access.transam
5	0.79	5171	multixact.c	src.backend.access.transam
5	0.58	1111	varsup.c	src.backend.access.transam
5	0.19	760	subtrans.c	src.backend.access.transam
5	0.16	122	rmgr.c	src.backend.access.transam
1	0.79	5171	multixact.c	src.backend.access.transam
1	0.58	1111	varsup.c	src.backend.access.transam
1	0.19	760	subtrans.c	src.backend.access.transam
1	0.16	122	rmgr.c	src.backend.access.transam

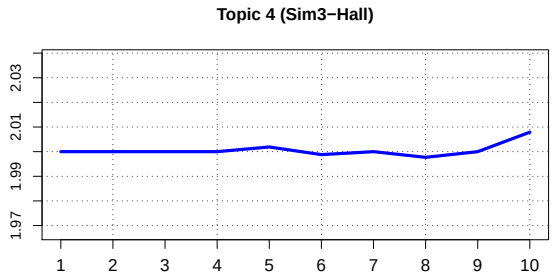
"multi xact", {*multi xact xid offset member transact mxact oldest page cach debug*}

Best matching topic evolution (Topic distance = 1.295, Evolution distance = 0.0005):



V	θ	Size	File	Package
3	0.82	2756	slru.c	src.backend.access.transam
3	0.61	1130	clog.c	src.backend.access.transam
3	0.48	760	subtrans.c	src.backend.access.transam
3	0.07	5171	multixact.c	src.backend.access.transam
8	0.82	2756	slru.c	src.backend.access.transam
8	0.61	1130	clog.c	src.backend.access.transam
8	0.48	760	subtrans.c	src.backend.access.transam
8	0.07	5171	multixact.c	src.backend.access.transam
4	0.82	2756	slru.c	src.backend.access.transam
4	0.61	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	0.07	5171	multixact.c	src.backend.access.transam

"share page statu", {*page slru share slotno ctl clog lru pageno statu write file*}



V	θ	Size	File	Package
10	1.00	9907	heapam.c	src.backend.access.heap
10	1.00	862	hio.c	src.backend.access.heap
10	NA	NA	NA	NA
10	NA	NA	NA	NA
3	1.00	9907	heapam.c	src.backend.access.heap
3	1.00	862	hio.c	src.backend.access.heap
3	NA	NA	NA	NA
3	NA	NA	NA	NA
8	1.00	9907	heapam.c	src.backend.access.heap
8	1.00	862	hio.c	src.backend.access.heap
8	NA	NA	NA	NA
8	NA	NA	NA	NA

"heapam hio storag", {*buffer tupl heap page lock relat scan item xmax updat xlog*}

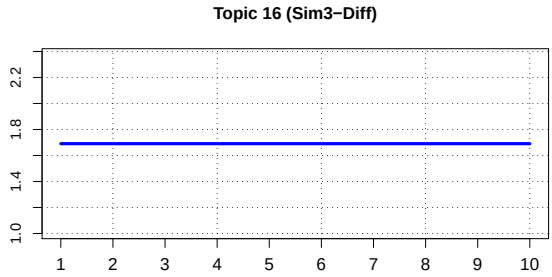
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
16	0.0738	0.0000
9	1.0293	0.0426
3	1.1460	0.0000

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
15	2.0076	0.0000
19	1.6261	0.0000
6	2.3352	0.0000

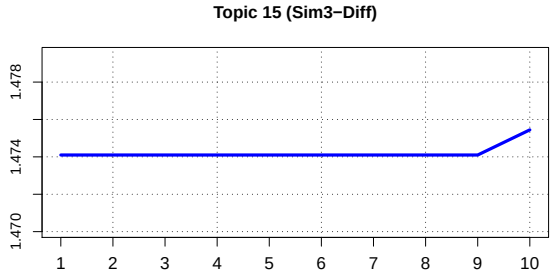
Best matching topic (Topic distance = 0.074, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.82	9907	heapam.c	src.backend.access.heap
10	0.57	862	hio.c	src.backend.access.heap
10	0.18	1408	indexam.c	src.backend.access.index
10	0.06	554	genam.c	src.backend.access.index
5	0.82	9907	heapam.c	src.backend.access.heap
5	0.57	862	hio.c	src.backend.access.heap
5	0.18	1408	indexam.c	src.backend.access.index
5	0.06	554	genam.c	src.backend.access.index
1	0.82	9907	heapam.c	src.backend.access.heap
1	0.57	862	hio.c	src.backend.access.heap
1	0.18	1408	indexam.c	src.backend.access.index
1	0.06	554	genam.c	src.backend.access.index

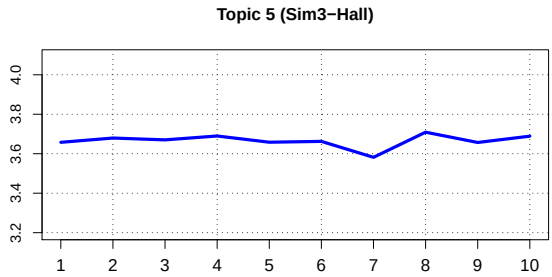
"buffer buffer buffer", {*buffer tupl heap page relat lock scan item xmax updat xlog*}

Best matching topic evolution (Topic distance = 2.008, Evolution distance = 0.0000):



V	θ	Size	File	Package
10	0.77	4264	twophase.c	src.backend.access.transam
10	0.70	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.77	4264	twophase.c	src.backend.access.transam
5	0.70	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.77	4264	twophase.c	src.backend.access.transam
1	0.70	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"state file", {*phase gxact file xid transact state prepar record xact crc proc*}



V	θ	Size	File	Package
8	1.00	554	genam.c	src.backend.access.index
8	1.00	1408	indexam.c	src.backend.access.index
8	0.76	217	hashscan.c	src.backend.access.hash
8	0.62	1762	nbtsort.c	src.backend.access.nbtree
6	1.00	554	genam.c	src.backend.access.index
6	1.00	1408	indexam.c	src.backend.access.index
6	0.77	217	hashscan.c	src.backend.access.hash
6	0.59	1762	nbtsort.c	src.backend.access.nbtree
7	1.00	554	genam.c	src.backend.access.index
7	1.00	1408	indexam.c	src.backend.access.index
7	0.75	217	hashscan.c	src.backend.access.hash
7	0.59	1762	nbtsort.c	src.backend.access.nbtree

"scan list", {*scan index relat kei state heap procedur tupl wstate btspool datum*}

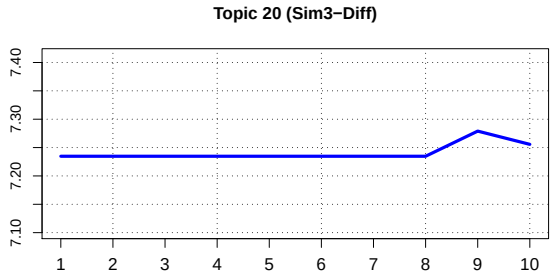
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
20	0.8322	0.0008
9	1.3170	0.0422
16	1.4683	0.0008

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
6	1.9720	0.0008
15	2.4238	0.0008
19	1.7286	0.0008

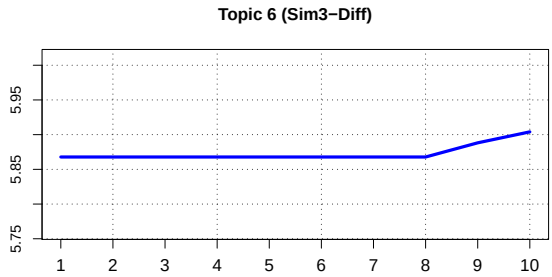
Best matching topic (Topic distance = 0.832, Evolution distance = 0.0008):



V	θ	Size	File	Package
9	0.79	220	scankey.c	src.backend.access.common
9	0.76	554	genam.c	src.backend.access.index
9	0.72	2438	nbtutils.c	src.backend.access.nbtree
9	0.69	1408	indexam.c	src.backend.access.index
5	0.79	220	scankey.c	src.backend.access.common
5	0.76	554	genam.c	src.backend.access.index
5	0.72	2438	nbtutils.c	src.backend.access.nbtree
5	0.69	1408	indexam.c	src.backend.access.index
1	0.79	220	scankey.c	src.backend.access.common
1	0.76	554	genam.c	src.backend.access.index
1	0.72	2438	nbtutils.c	src.backend.access.nbtree
1	0.69	1408	indexam.c	src.backend.access.index

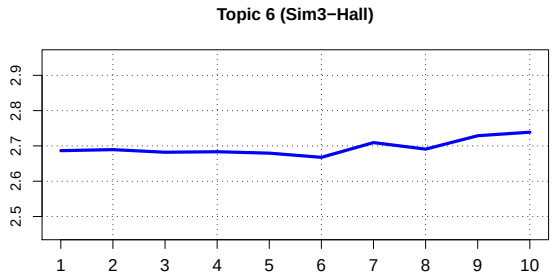
"scan kei", {*scan index kei item opaqu datum relat info desc curr tupl*}

Best matching topic evolution (Topic distance = 1.972, Evolution distance = 0.0008):



V	θ	Size	File	Package
10	0.99	166	nbtcompare.c	src.backend.access.nbtree
10	0.79	623	reloptions.c	src.backend.access.common
10	0.77	150	ginarrayproc.c	src.backend.access.gin
10	0.77	527	ginbulk.c	src.backend.access.gin
5	0.99	166	nbtcompare.c	src.backend.access.nbtree
5	0.79	623	reloptions.c	src.backend.access.common
5	0.77	150	ginarrayproc.c	src.backend.access.gin
5	0.77	527	ginbulk.c	src.backend.access.gin
1	0.99	166	nbtcompare.c	src.backend.access.nbtree
1	0.79	623	reloptions.c	src.backend.access.common
1	0.77	150	ginarrayproc.c	src.backend.access.gin
1	0.77	527	ginbulk.c	src.backend.access.gin

"hentri kei", {*entri datum kei uint list accum getarg function arg nentri hentri*}



V	θ	Size	File	Package
10	1.00	612	transam.c	src.backend.access.transam
10	1.00	1111	varsup.c	src.backend.access.transam
10	0.52	760	subtrans.c	src.backend.access.transam
10	0.16	1130	clog.c	src.backend.access.transam
1	1.00	612	transam.c	src.backend.access.transam
1	1.00	1111	varsup.c	src.backend.access.transam
1	0.52	760	subtrans.c	src.backend.access.transam
1	0.17	1130	clog.c	src.backend.access.transam
6	1.00	612	transam.c	src.backend.access.transam
6	1.00	1111	varsup.c	src.backend.access.transam
6	0.51	760	subtrans.c	src.backend.access.transam
6	0.16	1130	clog.c	src.backend.access.transam

"transact xid", {*transact xid subtran limit cach commit statu normal shmem variabl parent*}

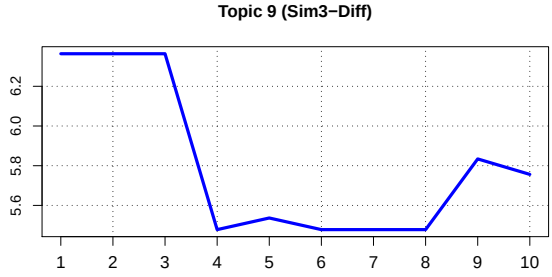
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
9	1.2635	0.0436
8	1.5684	0.0089
7	1.6431	0.0006

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
12	2.6341	0.0003
4	2.2404	0.0004
6	2.6071	0.0004

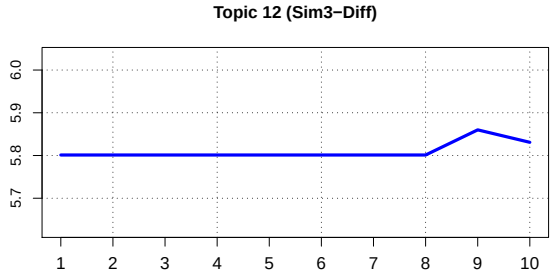
Best matching topic (Topic distance = 1.263, Evolution distance = 0.0436):



V	θ	Size	File	Package
3	0.54	13	regfree.c	src.backend
3	0.42	862	hio.c	src.backend.access.heap
3	0.36	1111	varsup.c	src.backend.access.transam
3	0.26	125	regerror.c	src.backend
5	0.42	862	hio.c	src.backend.access.heap
5	0.36	1111	varsup.c	src.backend.access.transam
5	0.23	612	transam.c	src.backend.access.transam
5	0.22	2074	hashpage.c	src.backend.access.hash
4	0.42	862	hio.c	src.backend.access.heap
4	0.36	1111	varsup.c	src.backend.access.transam
4	0.23	612	transam.c	src.backend.access.transam
4	0.22	2074	hashpage.c	src.backend.access.hash

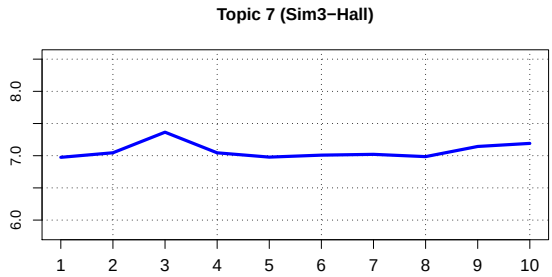
"crit section", {*lock size error start set check read note max valid don*}

Best matching topic evolution (Topic distance = 2.634, Evolution distance = 0.0003):



V	θ	Size	File	Package
9	0.91	1986	gistvacuum.c	src.backend.access.gist
9	0.85	2787	gist.c	src.backend.access.gist
9	0.62	1747	ginvacuum.c	src.backend.access.gin
9	0.47	2315	nbtree.c	src.backend.access.nbtree
5	0.91	1986	gistvacuum.c	src.backend.access.gist
5	0.85	2787	gist.c	src.backend.access.gist
5	0.62	1747	ginvacuum.c	src.backend.access.gin
5	0.47	2315	nbtree.c	src.backend.access.nbtree
1	0.91	1986	gistvacuum.c	src.backend.access.gist
1	0.85	2787	gist.c	src.backend.access.gist
1	0.62	1747	ginvacuum.c	src.backend.access.gin
1	0.47	2315	nbtree.c	src.backend.access.nbtree

"buffer buffer", {*page buffer index tupl stack state ptr blkno gist parent block*}



V	θ	Size	File	Package
3	1.00	2315	nbtree.c	src.backend.access.nbtree
3	0.95	3316	nbtsearch.c	src.backend.access.nbtree
3	0.95	403	gistscan.c	src.backend.access.gist
3	0.74	986	gistget.c	src.backend.access.gist
7	1.00	2315	nbtree.c	src.backend.access.nbtree
7	0.97	403	gistscan.c	src.backend.access.gist
7	0.96	3316	nbtsearch.c	src.backend.access.nbtree
7	0.74	986	gistget.c	src.backend.access.gist
1	1.00	2315	nbtree.c	src.backend.access.nbtree
1	0.97	3316	nbtsearch.c	src.backend.access.nbtree
1	0.96	403	gistscan.c	src.backend.access.gist
1	0.74	986	gistget.c	src.backend.access.gist

"scan kei", {*scan page kei index item opaqu buffer tupl buf curr lock*}

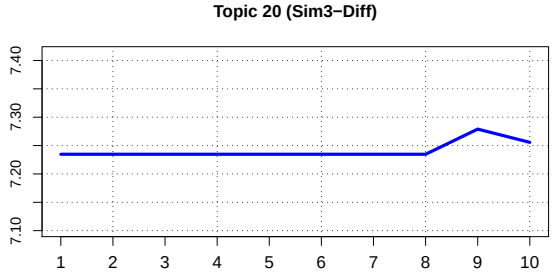
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
20	0.3497	0.0026
12	0.9138	0.0025
17	0.9545	0.0028

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
4	2.3182	0.0025
12	0.9138	0.0025
6	1.9280	0.0025

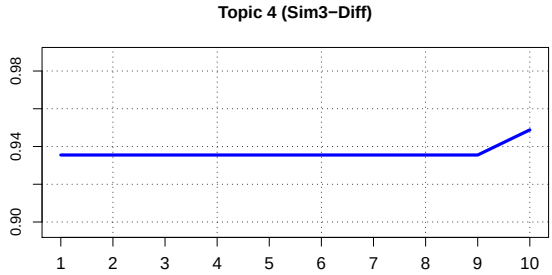
Best matching topic (Topic distance = 0.350, Evolution distance = 0.0026):



V	θ	Size	File	Package
9	0.79	220	scankey.c	src.backend.access.common
9	0.76	554	genam.c	src.backend.access.index
9	0.72	2438	nbtutils.c	src.backend.access.nbtree
9	0.69	1408	indexam.c	src.backend.access.index
5	0.79	220	scankey.c	src.backend.access.common
5	0.76	554	genam.c	src.backend.access.index
5	0.72	2438	nbtutils.c	src.backend.access.nbtree
5	0.69	1408	indexam.c	src.backend.access.index
1	0.79	220	scankey.c	src.backend.access.common
1	0.76	554	genam.c	src.backend.access.index
1	0.72	2438	nbtutils.c	src.backend.access.nbtree
1	0.69	1408	indexam.c	src.backend.access.index

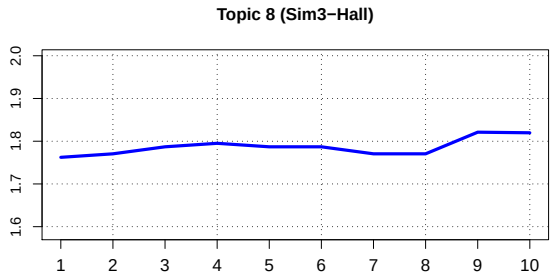
"scan kei", {*scan index kei item opaqu datum relat info desc curr tupl*}

Best matching topic evolution (Topic distance = 2.318, Evolution distance = 0.0025):



V	θ	Size	File	Package
10	0.80	18475	xlog.c	src.backend.access.transam
10	0.07	1130	clog.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.80	18475	xlog.c	src.backend.access.transam
5	0.07	1130	clog.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.80	18475	xlog.c	src.backend.access.transam
1	0.07	1130	clog.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"control file", {*xlog file record log write ptr rec control page recoveri point*}



V	θ	Size	File	Package
9	1.00	1199	xlogutils.c	src.backend.access.transam
9	0.79	122	rmgr.c	src.backend.access.transam
9	0.03	234	misc.c	src.interfaces.ecpg.ecpglib
9	NA	NA	NA	NA
3	1.00	1199	xlogutils.c	src.backend.access.transam
3	0.79	122	rmgr.c	src.backend.access.transam
3	NA	NA	NA	NA
3	NA	NA	NA	NA
1	1.00	1199	xlogutils.c	src.backend.access.transam
1	0.76	122	rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"xlog cleanup", {*page xlog node rel hash hentri relat kei buffer desc recent*}

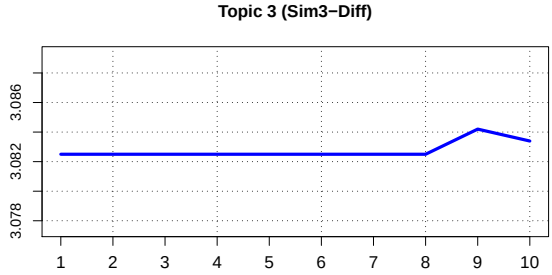
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
3	1.6380	0.0011
9	1.7321	0.0468
13	1.7736	0.0012

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
12	1.9951	0.0007
4	1.8953	0.0008
6	1.9588	0.0008

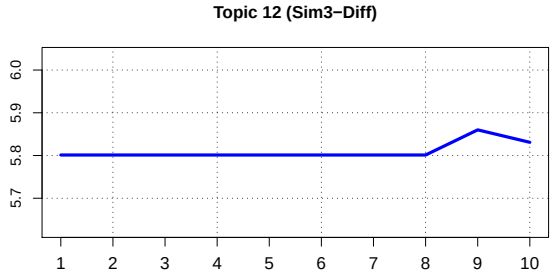
Best matching topic (Topic distance = 1.638, Evolution distance = 0.0011):



V	θ	Size	File	Package
9	0.76	2543	gistxlog.c	src.backend.access.gist
9	0.73	2411	nbtxlog.c	src.backend.access.nbtree
9	0.58	1852	ginxlog.c	src.backend.access.gin
9	0.48	122	rmgr.c	src.backend.access.transam
5	0.76	2543	gistxlog.c	src.backend.access.gist
5	0.73	2411	nbtxlog.c	src.backend.access.nbtree
5	0.58	1852	ginxlog.c	src.backend.access.gin
5	0.48	122	rmgr.c	src.backend.access.transam
1	0.76	2543	gistxlog.c	src.backend.access.gist
1	0.73	2411	nbtxlog.c	src.backend.access.nbtree
1	0.58	1852	ginxlog.c	src.backend.access.gin
1	0.48	122	rmgr.c	src.backend.access.transam

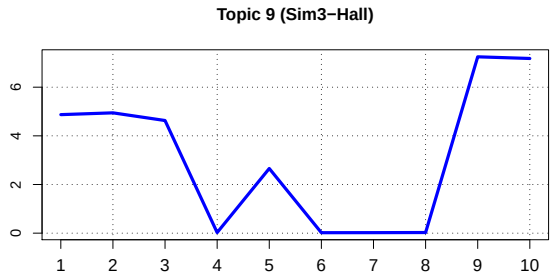
"rec record", {*page buffer xlog node split xlrec record insert lsn rec info*}

Best matching topic evolution (Topic distance = 1.995, Evolution distance = 0.0007):



V	θ	Size	File	Package
9	0.91	1986	gistvacuum.c	src.backend.access.gist
9	0.85	2787	gist.c	src.backend.access.gist
9	0.62	1747	ginvacuum.c	src.backend.access.gin
9	0.47	2315	nbtree.c	src.backend.access.nbtree
5	0.91	1986	gistvacuum.c	src.backend.access.gist
5	0.85	2787	gist.c	src.backend.access.gist
5	0.62	1747	ginvacuum.c	src.backend.access.gin
5	0.47	2315	nbtree.c	src.backend.access.nbtree
1	0.91	1986	gistvacuum.c	src.backend.access.gist
1	0.85	2787	gist.c	src.backend.access.gist
1	0.62	1747	ginvacuum.c	src.backend.access.gin
1	0.47	2315	nbtree.c	src.backend.access.nbtree

"buffer buffer", {*page buffer index tupl stack state ptr blkno gist parent block*}



V	θ	Size	File	Package
9	1.00	51	memory.c	src.interfaces.ecpg.ecpglib
9	1.00	49	typename.c	src.interfaces.ecpg.ecpglib
9	0.97	214	error.c	src.interfaces.ecpg.ecpglib
9	0.91	435	connect.c	src.interfaces.ecpg.ecpglib
5	0.96	27	scheck.c	src.timezone
5	0.91	351	strftime.c	src.timezone
5	0.76	768	localtime.c	src.timezone
5	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA

"ecpglog ecpgget", {*var case chr state struct break reg end assert begin sqlca*}

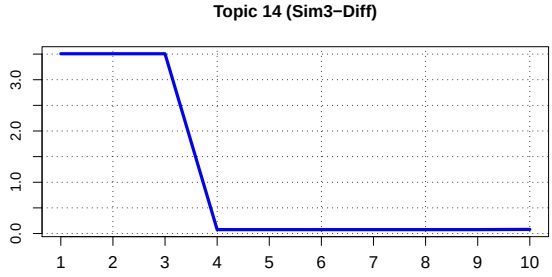
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
14	0.1996	18.5484
5	0.6968	10.9470
2	1.3235	40.8354

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
9	1.5328	7.3661
8	2.5666	7.6258
12	2.6646	8.0393

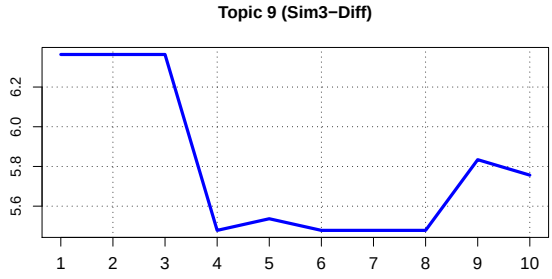
Best matching topic (Topic distance = 0.200, Evolution distance = 18.5484):



V	θ	Size	File	Package
3	1.00	1301	regexec.c	src.backend
3	0.98	2356	regcomp.c	src.backend
3	0.92	551	rege_dfa.c	src.backend
3	0.46	13	regfree.c	src.backend
8	0.04	217	hashscan.c	src.backend.access.hash
8	NA	NA	NA	NA
8	NA	NA	NA	NA
8	NA	NA	NA	NA
4	0.04	217	hashscan.c	src.backend.access.hash
4	NA	NA	NA	NA
4	NA	NA	NA	NA
4	NA	NA	NA	NA

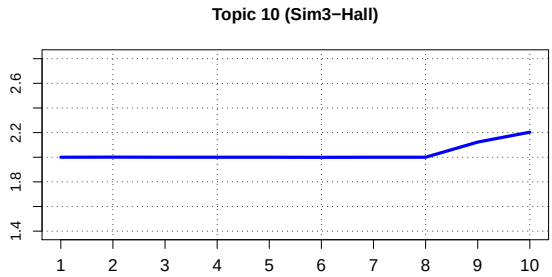
"scan consist fine", {*chr state reg assert end var struct begin subr left cnfa*}

Best matching topic evolution (Topic distance = 1.533, Evolution distance = 7.3661):



V	θ	Size	File	Package
3	0.54	13	regfree.c	src.backend
3	0.42	862	hio.c	src.backend.access.heap
3	0.36	1111	varsup.c	src.backend.access.transam
3	0.26	125	regerror.c	src.backend
5	0.42	862	hio.c	src.backend.access.heap
5	0.36	1111	varsup.c	src.backend.access.transam
5	0.23	612	transam.c	src.backend.access.transam
5	0.22	2074	hashpage.c	src.backend.access.hash
4	0.42	862	hio.c	src.backend.access.heap
4	0.36	1111	varsup.c	src.backend.access.transam
4	0.23	612	transam.c	src.backend.access.transam
4	0.22	2074	hashpage.c	src.backend.access.hash

"crit section", {*lock size error start set check read note max valid don*}



V	θ	Size	File	Package
10	1.00	82	twophase_rmgr.c	src.backend.access.transam
10	1.00	4264	twophase.c	src.backend.access.transam
10	0.14	221	prepare.c	src.interfaces.ecpg.ecpglib
10	0.06	750	connect.c	src.interfaces.ecpg.ecpglib
5	1.00	4264	twophase.c	src.backend.access.transam
5	1.00	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
6	1.00	82	twophase_rmgr.c	src.backend.access.transam
6	1.00	4264	twophase.c	src.backend.access.transam
6	NA	NA	NA	NA
6	NA	NA	NA	NA

"length initi share", {*transact phase file xid gxact state prepar record xact lock crc*}

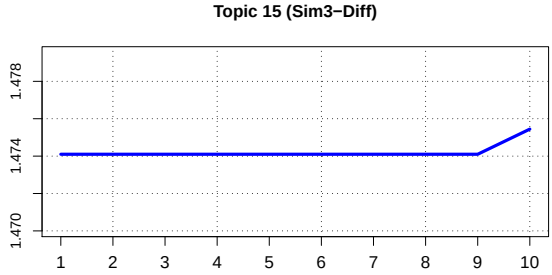
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
15	0.0917	0.0109
9	1.0994	0.0551
8	1.2331	0.0004

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
8	1.2331	0.0004
4	1.4013	0.0089
12	2.1367	0.0094

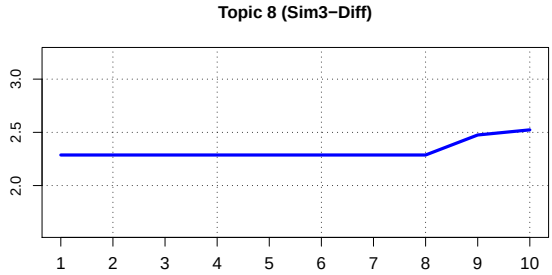
Best matching topic (Topic distance = 0.092, Evolution distance = 0.0109):



V	θ	Size	File	Package
10	0.77	4264	twophase.c	src.backend.access.transam
10	0.70	82	twophase_rmgr.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.77	4264	twophase.c	src.backend.access.transam
5	0.70	82	twophase_rmgr.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.77	4264	twophase.c	src.backend.access.transam
1	0.70	82	twophase_rmgr.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

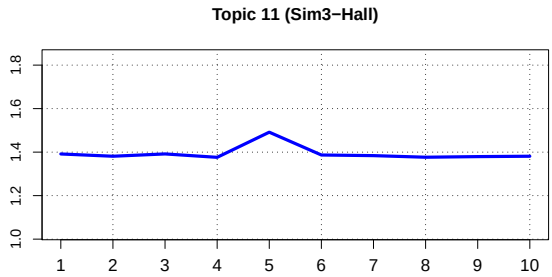
"state file", {*phase gxact file xid transact state prepar record xact crc proc*}

Best matching topic evolution (Topic distance = 1.233, Evolution distance = 0.0004):



V	θ	Size	File	Package
10	0.87	9380	xact.c	src.backend.access.transam
10	0.71	612	transam.c	src.backend.access.transam
10	0.21	760	subtrans.c	src.backend.access.transam
10	0.17	82	twophase_rmgr.c	src.backend.access.transam
5	0.87	9380	xact.c	src.backend.access.transam
5	0.71	612	transam.c	src.backend.access.transam
5	0.21	760	subtrans.c	src.backend.access.transam
5	0.17	82	twophase_rmgr.c	src.backend.access.transam
1	0.87	9380	xact.c	src.backend.access.transam
1	0.71	612	transam.c	src.backend.access.transam
1	0.21	760	subtrans.c	src.backend.access.transam
1	0.17	82	twophase_rmgr.c	src.backend.access.transam

"prepar transact", {*transact state tblock abort case commit block xact xid current context*}



V	θ	Size	File	Package
5	1.00	2945	tuptoaster.c	src.backend.access.heap
5	0.39	2438	nbtutils.c	src.backend.access.nbtree
5	0.10	768	localtime.c	src.timezone
5	NA	NA	NA	NA
10	1.00	2945	tuptoaster.c	src.backend.access.heap
10	0.38	2438	nbtutils.c	src.backend.access.nbtree
10	NA	NA	NA	NA
10	NA	NA	NA	NA
4	1.00	2945	tuptoaster.c	src.backend.access.heap
4	0.38	2438	nbtutils.c	src.backend.access.nbtree
4	NA	NA	NA	NA
4	NA	NA	NA	NA

"vac btvacinfo", {*toast tupl datum attr size heap result extern varatt valu chunk*}

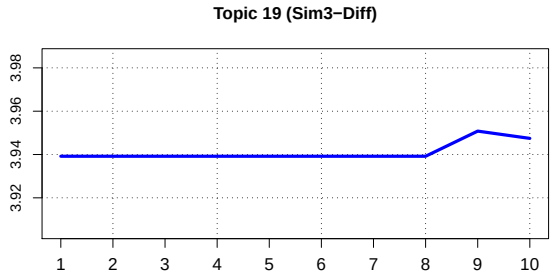
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
19	0.5984	0.0057
9	1.5032	0.0528
20	1.5207	0.0058

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
16	1.9905	0.0056
10	2.3034	0.0056
1	2.3937	0.0056

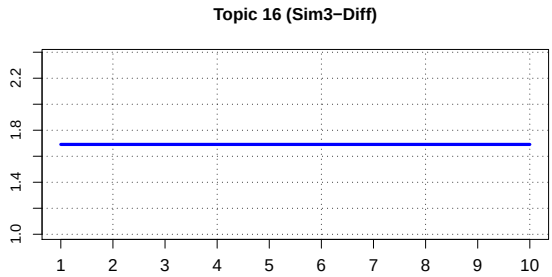
Best matching topic (Topic distance = 0.598, Evolution distance = 0.0057):



V	θ	Size	File	Package
9	0.91	3553	heaptuple.c	src.backend.access.common
9	0.89	2945	tuptoaster.c	src.backend.access.heap
9	0.86	642	indextuple.c	src.backend.access.common
9	0.81	1340	tupdesc.c	src.backend.access.common
5	0.91	3553	heaptuple.c	src.backend.access.common
5	0.89	2945	tuptoaster.c	src.backend.access.heap
5	0.86	642	indextuple.c	src.backend.access.common
5	0.81	1340	tupdesc.c	src.backend.access.common
1	0.91	3553	heaptuple.c	src.backend.access.common
1	0.89	2945	tuptoaster.c	src.backend.access.heap
1	0.86	642	indextuple.c	src.backend.access.common
1	0.81	1340	tupdesc.c	src.backend.access.common

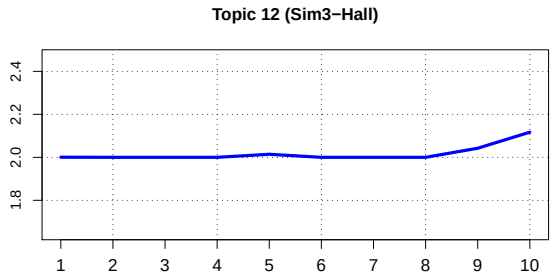
"tupl desc", {*tupl heap desc toast attribut att attr datum valu attnum size*}

Best matching topic evolution (Topic distance = 1.990, Evolution distance = 0.0056):



V	θ	Size	File	Package
10	0.82	9907	heapam.c	src.backend.access.heap
10	0.57	862	hio.c	src.backend.access.heap
10	0.18	1408	indexam.c	src.backend.access.index
10	0.06	554	genam.c	src.backend.access.index
5	0.82	9907	heapam.c	src.backend.access.heap
5	0.57	862	hio.c	src.backend.access.heap
5	0.18	1408	indexam.c	src.backend.access.index
5	0.06	554	genam.c	src.backend.access.index
1	0.82	9907	heapam.c	src.backend.access.heap
1	0.57	862	hio.c	src.backend.access.heap
1	0.18	1408	indexam.c	src.backend.access.index
1	0.06	554	genam.c	src.backend.access.index

"buffer buffer buffer", {*buffer tupl heap page relat lock scan item xmax updat xlog*}



V	θ	Size	File	Package
10	1.00	1232	printtup.c	src.backend.access.common
10	1.00	1340	tupdesc.c	src.backend.access.common
10	0.12	1044	descriptor.c	src.interfaces.ecpg.ecpglib
10	NA	NA	NA	NA
7	1.00	1232	printtup.c	src.backend.access.common
7	1.00	1340	tupdesc.c	src.backend.access.common
7	NA	NA	NA	NA
7	NA	NA	NA	NA
2	1.00	1232	printtup.c	src.backend.access.common
2	1.00	1340	tupdesc.c	src.backend.access.common
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"desc desc", {*desc tupl attr constr printtup tupdesc state check attribut natt type*}

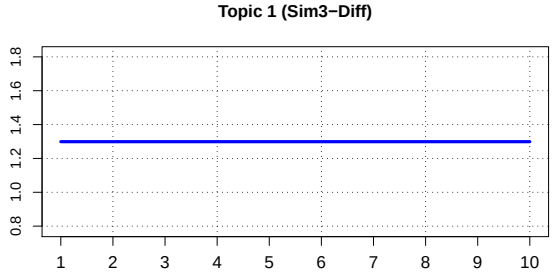
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
1	0.9050	0.0031
19	1.1127	0.0028
9	1.7092	0.0473

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
4	2.5372	0.0019
6	2.0001	0.0025
12	2.7258	0.0025

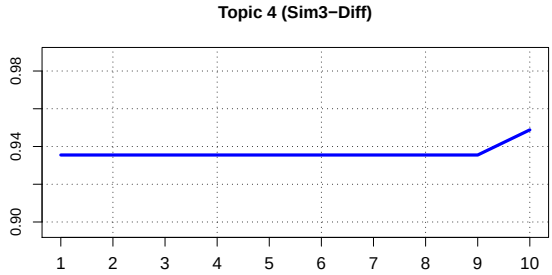
Best matching topic (Topic distance = 0.905, Evolution distance = 0.0031):



V	θ	Size	File	Package
10	0.93	1232	printtup.c	src.backend.access.common
10	0.37	1762	nbtsort.c	src.backend.access.nbtree
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.93	1232	printtup.c	src.backend.access.common
5	0.37	1762	nbtsort.c	src.backend.access.nbtree
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.93	1232	printtup.c	src.backend.access.common
1	0.37	1762	nbtsort.c	src.backend.access.nbtree
1	NA	NA	NA	NA
1	NA	NA	NA	NA

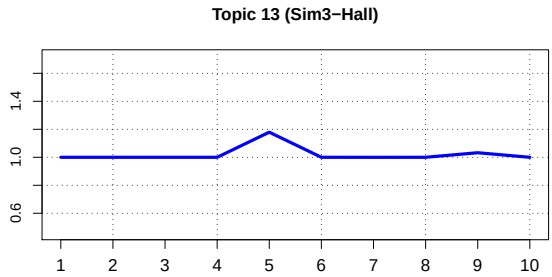
"state btp", {*state printtup attr tupl wstate btspool btp slot info buf typeinfo*}

Best matching topic evolution (Topic distance = 2.537, Evolution distance = 0.0019):



V	θ	Size	File	Package
10	0.80	18475	xlog.c	src.backend.access.transam
10	0.07	1130	clog.c	src.backend.access.transam
10	NA	NA	NA	NA
10	NA	NA	NA	NA
5	0.80	18475	xlog.c	src.backend.access.transam
5	0.07	1130	clog.c	src.backend.access.transam
5	NA	NA	NA	NA
5	NA	NA	NA	NA
1	0.80	18475	xlog.c	src.backend.access.transam
1	0.07	1130	clog.c	src.backend.access.transam
1	NA	NA	NA	NA
1	NA	NA	NA	NA

"control file", {*xlog file record log write ptr rec control page recoveri point*}



V	θ	Size	File	Package
5	1.00	18475	`xlog.c`	`src.backend.access.transam`
5	0.11	768	`localtime.c`	`src.timezone`
5	0.07	351	`strftime.c`	`src.timezone`
5	NA	NA	`NA`	`NA`
3	1.00	18475	`xlog.c`	`src.backend.access.transam`
3	NA	NA	`NA`	`NA`
3	NA	NA	`NA`	`NA`
3	NA	NA	`NA`	`NA`
7	1.00	18475	`xlog.c`	`src.backend.access.transam`
7	NA	NA	`NA`	`NA`
7	NA	NA	`NA`	`NA`
7	NA	NA	`NA`	`NA`

"ctype fcntl signal", {*file xlog record log write ptr control rec page read check*}

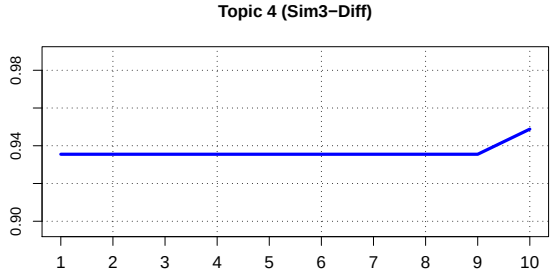
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
4	0.0720	0.0283
9	0.9792	0.0866
3	1.5376	0.0276

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
16	1.7138	0.0276
7	1.8917	0.0276
17	1.9750	0.0276

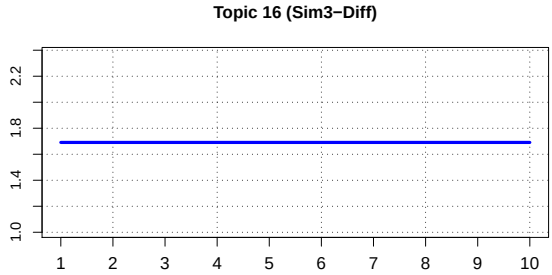
Best matching topic (Topic distance = 0.072, Evolution distance = 0.0283):



V	θ	Size	File	Package
10	0.80	18475	`xlog.c`	`src.backend.access.transam`
10	0.07	1130	`clog.c`	`src.backend.access.transam`
10	NA	NA	`NA`	`NA`
10	NA	NA	`NA`	`NA`
5	0.80	18475	`xlog.c`	`src.backend.access.transam`
5	0.07	1130	`clog.c`	`src.backend.access.transam`
5	NA	NA	`NA`	`NA`
5	NA	NA	`NA`	`NA`
1	0.80	18475	`xlog.c`	`src.backend.access.transam`
1	0.07	1130	`clog.c`	`src.backend.access.transam`
1	NA	NA	`NA`	`NA`
1	NA	NA	`NA`	`NA`

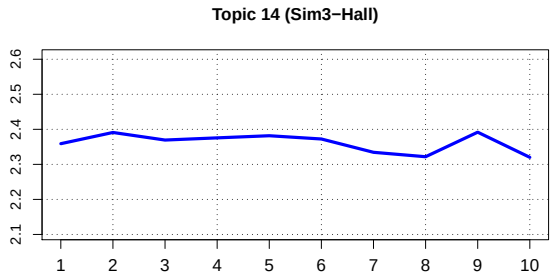
"control file", {*xlog file record log write ptr rec control page recoveri point*}

Best matching topic evolution (Topic distance = 1.714, Evolution distance = 0.0276):



V	θ	Size	File	Package
10	0.82	9907	`heapam.c`	`src.backend.access.heap`
10	0.57	862	`hio.c`	`src.backend.access.heap`
10	0.18	1408	`indexam.c`	`src.backend.access.index`
10	0.06	554	`genam.c`	`src.backend.access.index`
5	0.82	9907	`heapam.c`	`src.backend.access.heap`
5	0.57	862	`hio.c`	`src.backend.access.heap`
5	0.18	1408	`indexam.c`	`src.backend.access.index`
5	0.06	554	`genam.c`	`src.backend.access.index`
1	0.82	9907	`heapam.c`	`src.backend.access.heap`
1	0.57	862	`hio.c`	`src.backend.access.heap`
1	0.18	1408	`indexam.c`	`src.backend.access.index`
1	0.06	554	`genam.c`	`src.backend.access.index`

"buffer buffer buffer", {*buffer tupl heap page relat lock scan item xmax updat xlog*}



V	θ	Size	File	Package
9	1.00	4385	nbtinsert.c	src.backend.access.nbtree
9	1.00	3270	nbtpage.c	src.backend.access.nbtree
9	0.34	1762	nbtsort.c	src.backend.access.nbtree
9	0.05	3316	nbtsearch.c	src.backend.access.nbtree
3	1.00	4385	nbtinsert.c	src.backend.access.nbtree
3	1.00	3270	nbtpage.c	src.backend.access.nbtree
3	0.32	1762	nbtsort.c	src.backend.access.nbtree
3	0.05	3316	nbtsearch.c	src.backend.access.nbtree
10	1.00	4385	nbtinsert.c	src.backend.access.nbtree
10	1.00	3270	nbtpage.c	src.backend.access.nbtree
10	0.28	1762	nbtsort.c	src.backend.access.nbtree
10	0.04	3316	nbtsearch.c	src.backend.access.nbtree

"write page", {*page buffer item rel opaqu lock offset root buf split itup*}

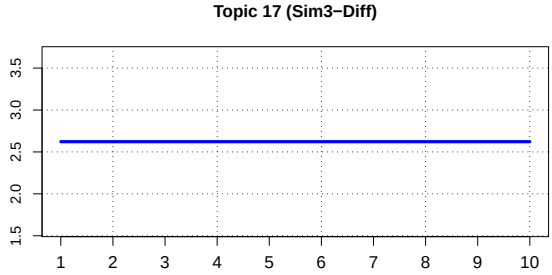
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
17	0.1337	0.0012
12	0.8968	0.0012
9	1.0922	0.0393

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
18	2.3282	0.0011
20	1.5888	0.0012
3	1.1581	0.0012

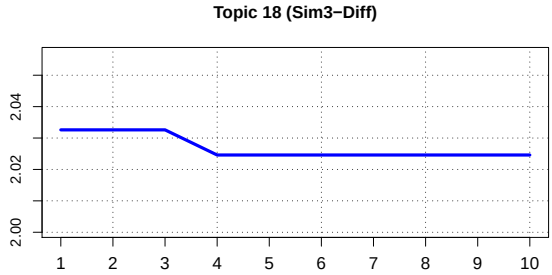
Best matching topic (Topic distance = 0.134, Evolution distance = 0.0012):



V	θ	Size	File	Package
10	0.74	4385	nbtinsert.c	src.backend.access.nbtree
10	0.74	3270	nbtpage.c	src.backend.access.nbtree
10	0.42	3316	nbtsearch.c	src.backend.access.nbtree
10	0.27	1762	nbtsort.c	src.backend.access.nbtree
5	0.74	4385	nbtinsert.c	src.backend.access.nbtree
5	0.74	3270	nbtpage.c	src.backend.access.nbtree
5	0.42	3316	nbtsearch.c	src.backend.access.nbtree
5	0.27	1762	nbtsort.c	src.backend.access.nbtree
1	0.74	4385	nbtinsert.c	src.backend.access.nbtree
1	0.74	3270	nbtpage.c	src.backend.access.nbtree
1	0.42	3316	nbtsearch.c	src.backend.access.nbtree
1	0.27	1762	nbtsort.c	src.backend.access.nbtree

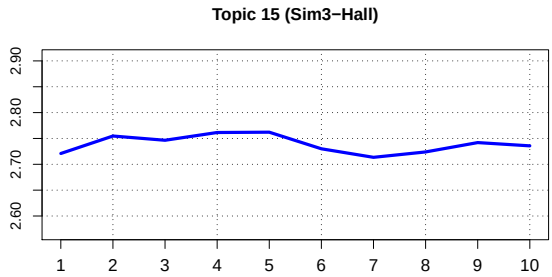
"buf buffer", {*page buffer item rel opaqu buf offset btpage btpo btree itup*}

Best matching topic evolution (Topic distance = 2.328, Evolution distance = 0.0011):



V	θ	Size	File	Package
3	0.82	2756	slru.c	src.backend.access.transam
3	0.61	1130	clog.c	src.backend.access.transam
3	0.48	760	subtrans.c	src.backend.access.transam
3	0.07	5171	multixact.c	src.backend.access.transam
8	0.82	2756	slru.c	src.backend.access.transam
8	0.61	1130	clog.c	src.backend.access.transam
8	0.48	760	subtrans.c	src.backend.access.transam
8	0.07	5171	multixact.c	src.backend.access.transam
4	0.82	2756	slru.c	src.backend.access.transam
4	0.61	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	0.07	5171	multixact.c	src.backend.access.transam

"share page statu", {*page slru share slotno ctl clog lru pageno statu write file*}



V	θ	Size	File	Package
5	1.00	2543	gistxlog.c	src.backend.access.gist
5	1.00	2411	nbtxlog.c	src.backend.access.nbtree
5	0.64	1852	ginxlog.c	src.backend.access.gin
5	0.08	1130	clog.c	src.backend.access.transam
10	1.00	2543	gistxlog.c	src.backend.access.gist
10	1.00	2411	nbtxlog.c	src.backend.access.nbtree
10	0.62	1852	ginxlog.c	src.backend.access.gin
10	0.08	1130	clog.c	src.backend.access.transam
7	1.00	2543	gistxlog.c	src.backend.access.gist
7	1.00	2411	nbtxlog.c	src.backend.access.nbtree
7	0.62	1852	ginxlog.c	src.backend.access.gin
7	0.06	1130	clog.c	src.backend.access.transam

"incomplet split split", {*page buffer xlog node insert xlrec split record lsn btree info*}

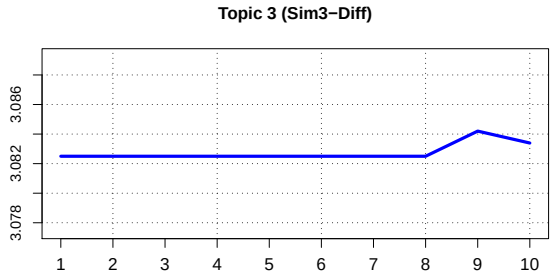
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
3	0.0712	0.0004
17	0.8734	0.0004
12	0.9174	0.0004

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
3	0.0712	0.0004
17	0.8734	0.0004
11	1.4175	0.0004

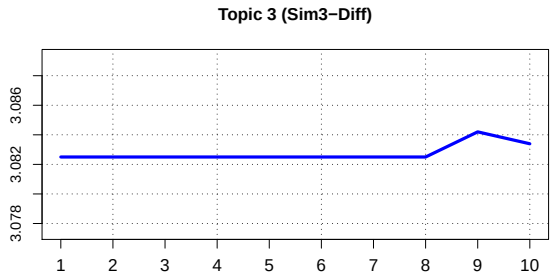
Best matching topic (Topic distance = 0.071, Evolution distance = 0.0004):



V	θ	Size	File	Package
9	0.76	2543	gistxlog.c	src.backend.access.gist
9	0.73	2411	nbtxlog.c	src.backend.access.nbtree
9	0.58	1852	ginxlog.c	src.backend.access.gin
9	0.48	122	rmgr.c	src.backend.access.transam
5	0.76	2543	gistxlog.c	src.backend.access.gist
5	0.73	2411	nbtxlog.c	src.backend.access.nbtree
5	0.58	1852	ginxlog.c	src.backend.access.gin
5	0.48	122	rmgr.c	src.backend.access.transam
1	0.76	2543	gistxlog.c	src.backend.access.gist
1	0.73	2411	nbtxlog.c	src.backend.access.nbtree
1	0.58	1852	ginxlog.c	src.backend.access.gin
1	0.48	122	rmgr.c	src.backend.access.transam

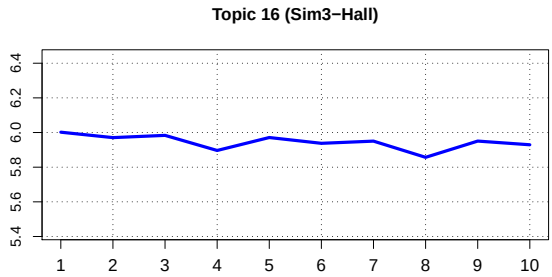
"rec record", {*page buffer xlog node split xlrec record insert lsn rec info*}

Best matching topic evolution (Topic distance = 0.071, Evolution distance = 0.0004):



V	θ	Size	File	Package
9	0.76	2543	gistxlog.c	src.backend.access.gist
9	0.73	2411	nbtxlog.c	src.backend.access.nbtree
9	0.58	1852	ginxlog.c	src.backend.access.gin
9	0.48	122	rmgr.c	src.backend.access.transam
5	0.76	2543	gistxlog.c	src.backend.access.gist
5	0.73	2411	nbtxlog.c	src.backend.access.nbtree
5	0.58	1852	ginxlog.c	src.backend.access.gin
5	0.48	122	rmgr.c	src.backend.access.transam
1	0.76	2543	gistxlog.c	src.backend.access.gist
1	0.73	2411	nbtxlog.c	src.backend.access.nbtree
1	0.58	1852	ginxlog.c	src.backend.access.gin
1	0.48	122	rmgr.c	src.backend.access.transam

"rec record", {*page buffer xlog node split xlrec record insert lsn rec info*}



V	θ	Size	File	Package
1	1.00	527	ginbulk.c	src.backend.access.gin
1	1.00	1364	gistsplit.c	src.backend.access.gist
1	0.97	623	reloptions.c	src.backend.access.common
1	0.71	1211	gistutil.c	src.backend.access.gist
7	1.00	527	ginbulk.c	src.backend.access.gin
7	1.00	1364	gistsplit.c	src.backend.access.gist
7	0.98	623	reloptions.c	src.backend.access.common
7	0.70	1211	gistutil.c	src.backend.access.gist
8	1.00	527	ginbulk.c	src.backend.access.gin
8	1.00	1364	gistsplit.c	src.backend.access.gist
8	0.97	623	reloptions.c	src.backend.access.common
8	0.71	1211	gistutil.c	src.backend.access.gist

"entri entri", {*entri spl datum giststat split kei len index offset vector tupl*}

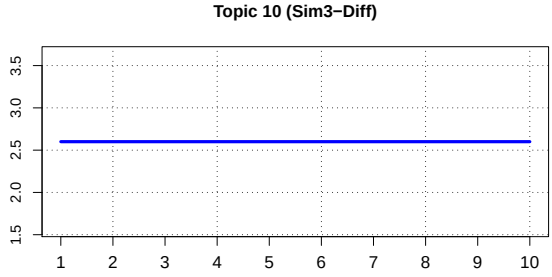
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
10	0.7479	0.0005
6	0.9053	0.0005
19	1.6130	0.0005

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
18	2.9201	0.0003
10	0.7479	0.0005
11	1.8422	0.0005

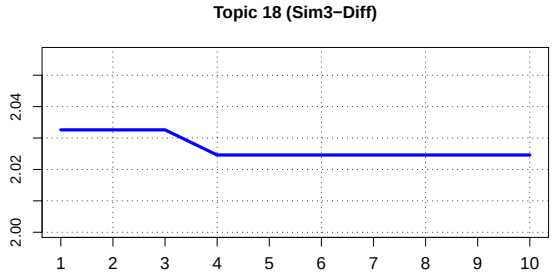
Best matching topic (Topic distance = 0.748, Evolution distance = 0.0005):



V	θ	Size	File	Package
10	0.98	1721	gistproc.c	src.backend.access.gist
10	0.98	1364	gistsplit.c	src.backend.access.gist
10	0.54	1211	gistutil.c	src.backend.access.gist
10	0.08	2787	gist.c	src.backend.access.gist
5	0.98	1721	gistproc.c	src.backend.access.gist
5	0.98	1364	gistsplit.c	src.backend.access.gist
5	0.54	1211	gistutil.c	src.backend.access.gist
5	0.08	2787	gist.c	src.backend.access.gist
1	0.98	1721	gistproc.c	src.backend.access.gist
1	0.98	1364	gistsplit.c	src.backend.access.gist
1	0.54	1211	gistutil.c	src.backend.access.gist
1	0.08	2787	gist.c	src.backend.access.gist

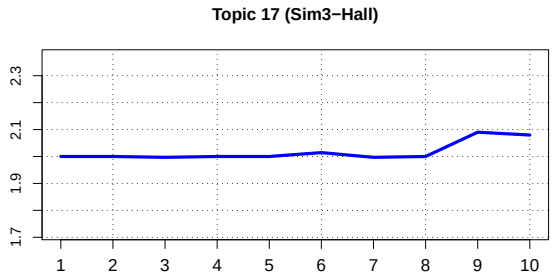
"spl nright", {*spl box datum split giststat offset kei entri vector gist attno*}

Best matching topic evolution (Topic distance = 2.920, Evolution distance = 0.0003):



V	θ	Size	File	Package
3	0.82	2756	slru.c	src.backend.access.transam
3	0.61	1130	clog.c	src.backend.access.transam
3	0.48	760	subtrans.c	src.backend.access.transam
3	0.07	5171	multixact.c	src.backend.access.transam
8	0.82	2756	slru.c	src.backend.access.transam
8	0.61	1130	clog.c	src.backend.access.transam
8	0.48	760	subtrans.c	src.backend.access.transam
8	0.07	5171	multixact.c	src.backend.access.transam
4	0.82	2756	slru.c	src.backend.access.transam
4	0.61	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	0.07	5171	multixact.c	src.backend.access.transam

"share page statu", {*page slru share slotno ctl clog lru pageno statu write file*}



V	θ	Size	File	Package
9	1.00	3553	heaptuple.c	src.backend.access.common
9	1.00	642	indextuple.c	src.backend.access.common
9	0.09	601	data.c	src.interfaces.ecpg.ecpglib
9	NA	NA	NA	NA
4	1.00	3553	heaptuple.c	src.backend.access.common
4	1.00	642	indextuple.c	src.backend.access.common
4	NA	NA	NA	NA
4	NA	NA	NA	NA
3	1.00	3553	heaptuple.c	src.backend.access.common
3	1.00	642	indextuple.c	src.backend.access.common
3	NA	NA	NA	NA
3	NA	NA	NA	NA

"len break", {*tupl heap att attribut attnum valu isnul datum slot desc natt*}

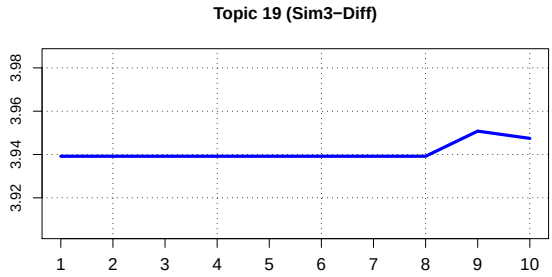
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
19	0.3706	0.0025
9	1.5882	0.0468
1	2.1754	0.0028

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
12	2.5117	0.0019
4	2.5540	0.0021
6	2.2488	0.0022

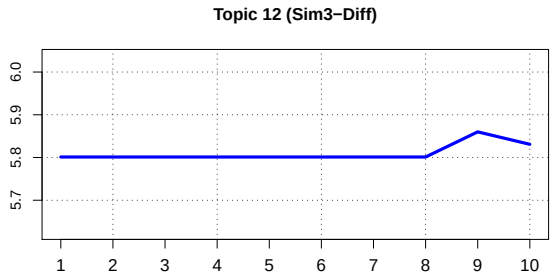
Best matching topic (Topic distance = 0.371, Evolution distance = 0.0025):



V	θ	Size	File	Package
9	0.91	3553	heaptuple.c	src.backend.access.common
9	0.89	2945	tuptoaster.c	src.backend.access.heap
9	0.86	642	indextuple.c	src.backend.access.common
9	0.81	1340	tupdesc.c	src.backend.access.common
5	0.91	3553	heaptuple.c	src.backend.access.common
5	0.89	2945	tuptoaster.c	src.backend.access.heap
5	0.86	642	indextuple.c	src.backend.access.common
5	0.81	1340	tupdesc.c	src.backend.access.common
1	0.91	3553	heaptuple.c	src.backend.access.common
1	0.89	2945	tuptoaster.c	src.backend.access.heap
1	0.86	642	indextuple.c	src.backend.access.common
1	0.81	1340	tupdesc.c	src.backend.access.common

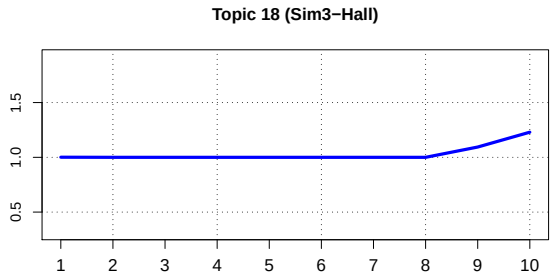
"tupl desc", {*tupl heap desc toast attribut att attr datum valu attnum size*}

Best matching topic evolution (Topic distance = 2.512, Evolution distance = 0.0019):



V	θ	Size	File	Package
9	0.91	1986	gistvacuum.c	src.backend.access.gist
9	0.85	2787	gist.c	src.backend.access.gist
9	0.62	1747	ginvacuum.c	src.backend.access.gin
9	0.47	2315	nbtree.c	src.backend.access.nbtree
5	0.91	1986	gistvacuum.c	src.backend.access.gist
5	0.85	2787	gist.c	src.backend.access.gist
5	0.62	1747	ginvacuum.c	src.backend.access.gin
5	0.47	2315	nbtree.c	src.backend.access.nbtree
1	0.91	1986	gistvacuum.c	src.backend.access.gist
1	0.85	2787	gist.c	src.backend.access.gist
1	0.62	1747	ginvacuum.c	src.backend.access.gin
1	0.47	2315	nbtree.c	src.backend.access.nbtree

"buffer buffer", {*page buffer index tupl stack state ptr blkno gist parent block*}



V	θ	Size	File	Package
10	1.00	9380	xact.c	src.backend.access.transam
10	0.16	221	prepare.c	src.interfaces.ecpg.ecpglib
10	0.07	526	misc.c	src.interfaces.ecpg.ecpglib
10	NA	NA	NA	NA
6	1.00	9380	xact.c	src.backend.access.transam
6	NA	NA	NA	NA
6	NA	NA	NA	NA
6	NA	NA	NA	NA
2	1.00	9380	xact.c	src.backend.access.transam
2	NA	NA	NA	NA
2	NA	NA	NA	NA
2	NA	NA	NA	NA

"stmt prev", {*transact state tblock abort case block xact commit current context xid*}

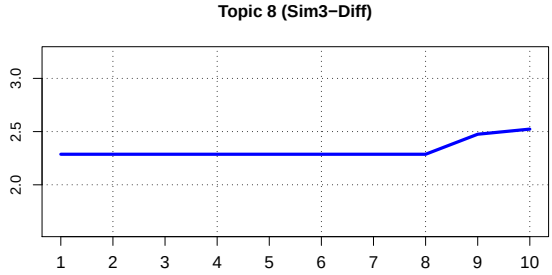
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
8	0.0573	0.0130
9	1.2974	0.0939
15	1.4119	0.0474

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
8	0.0573	0.0130
4	1.8056	0.0425
12	2.1388	0.0447

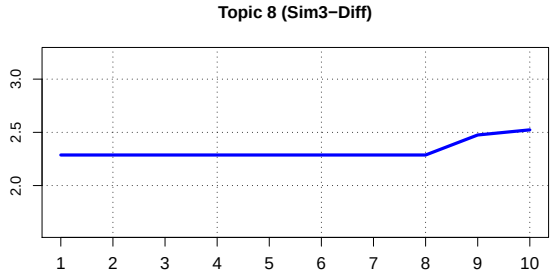
Best matching topic (Topic distance = 0.057, Evolution distance = 0.0130):



V	θ	Size	File	Package
10	0.87	9380	xact.c	src.backend.access.transam
10	0.71	612	transam.c	src.backend.access.transam
10	0.21	760	subtrans.c	src.backend.access.transam
10	0.17	82	twophase_rmgr.c	src.backend.access.transam
5	0.87	9380	xact.c	src.backend.access.transam
5	0.71	612	transam.c	src.backend.access.transam
5	0.21	760	subtrans.c	src.backend.access.transam
5	0.17	82	twophase_rmgr.c	src.backend.access.transam
1	0.87	9380	xact.c	src.backend.access.transam
1	0.71	612	transam.c	src.backend.access.transam
1	0.21	760	subtrans.c	src.backend.access.transam
1	0.17	82	twophase_rmgr.c	src.backend.access.transam

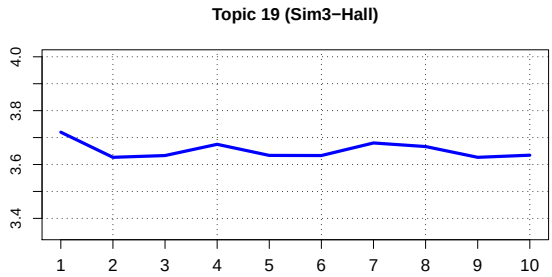
"prepar transact", {*transact state tblock abort case commit block xact xid current context*}

Best matching topic evolution (Topic distance = 0.057, Evolution distance = 0.0130):



V	θ	Size	File	Package
10	0.87	9380	xact.c	src.backend.access.transam
10	0.71	612	transam.c	src.backend.access.transam
10	0.21	760	subtrans.c	src.backend.access.transam
10	0.17	82	twophase_rmgr.c	src.backend.access.transam
5	0.87	9380	xact.c	src.backend.access.transam
5	0.71	612	transam.c	src.backend.access.transam
5	0.21	760	subtrans.c	src.backend.access.transam
5	0.17	82	twophase_rmgr.c	src.backend.access.transam
1	0.87	9380	xact.c	src.backend.access.transam
1	0.71	612	transam.c	src.backend.access.transam
1	0.21	760	subtrans.c	src.backend.access.transam
1	0.17	82	twophase_rmgr.c	src.backend.access.transam

"prepar transact", {*transact state tblock abort case commit block xact xid current context*}



V	θ	Size	File	Package
1	1.00	1721	gistproc.c	src.backend.access.gist
1	1.00	421	hashfunc.c	src.backend.access.hash
1	1.00	166	nbtcompare.c	src.backend.access.nbtree
1	0.72	150	ginarrayproc.c	src.backend.access.gin
5	1.00	1721	gistproc.c	src.backend.access.gist
5	1.00	421	hashfunc.c	src.backend.access.hash
5	1.00	166	nbtcompare.c	src.backend.access.nbtree
5	0.63	150	ginarrayproc.c	src.backend.access.gin
2	1.00	1721	gistproc.c	src.backend.access.gist
2	1.00	421	hashfunc.c	src.backend.access.hash
2	1.00	166	nbtcompare.c	src.backend.access.nbtree
2	0.63	150	ginarrayproc.c	src.backend.access.gin

"elmlen elmbyv elmalign", {*box datum kei function getarg strategi high low spl queri uint*}

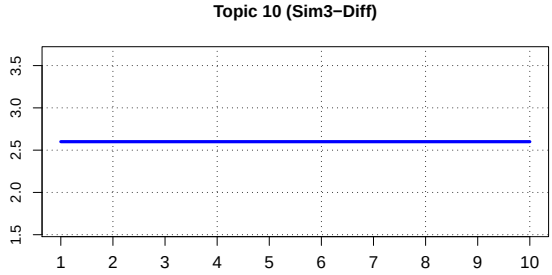
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
10	0.7942	0.0007
6	1.4025	0.0008
9	2.2066	0.0430

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
18	3.0954	0.0006
10	0.7942	0.0007
17	2.5498	0.0007

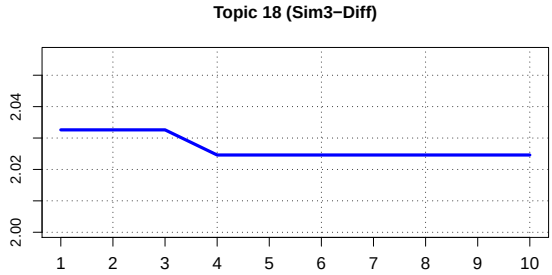
Best matching topic (Topic distance = 0.794, Evolution distance = 0.0007):



V	θ	Size	File	Package
10	0.98	1721	gistproc.c	src.backend.access.gist
10	0.98	1364	gistsplit.c	src.backend.access.gist
10	0.54	1211	gistutil.c	src.backend.access.gist
10	0.08	2787	gist.c	src.backend.access.gist
5	0.98	1721	gistproc.c	src.backend.access.gist
5	0.98	1364	gistsplit.c	src.backend.access.gist
5	0.54	1211	gistutil.c	src.backend.access.gist
5	0.08	2787	gist.c	src.backend.access.gist
1	0.98	1721	gistproc.c	src.backend.access.gist
1	0.98	1364	gistsplit.c	src.backend.access.gist
1	0.54	1211	gistutil.c	src.backend.access.gist
1	0.08	2787	gist.c	src.backend.access.gist

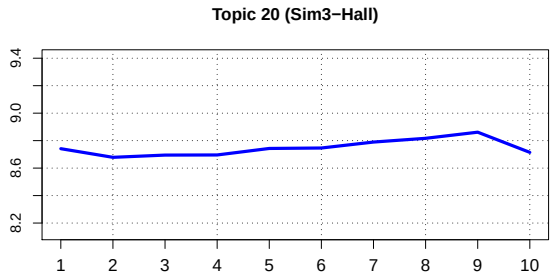
"spl nright", {*spl box datum split giststat offset kei entri vector gist attno*}

Best matching topic evolution (Topic distance = 3.095, Evolution distance = 0.0006):



V	θ	Size	File	Package
3	0.82	2756	slru.c	src.backend.access.transam
3	0.61	1130	clog.c	src.backend.access.transam
3	0.48	760	subtrans.c	src.backend.access.transam
3	0.07	5171	multixact.c	src.backend.access.transam
8	0.82	2756	slru.c	src.backend.access.transam
8	0.61	1130	clog.c	src.backend.access.transam
8	0.48	760	subtrans.c	src.backend.access.transam
8	0.07	5171	multixact.c	src.backend.access.transam
4	0.82	2756	slru.c	src.backend.access.transam
4	0.61	1130	clog.c	src.backend.access.transam
4	0.48	760	subtrans.c	src.backend.access.transam
4	0.07	5171	multixact.c	src.backend.access.transam

"share page statu", {*page slru share slotno ctl clog lru pageno statu write file*}



V	θ	Size	File	Package
9	1.00	1152	ginbtree.c	src.backend.access.gin
9	1.00	1599	gindatapage.c	src.backend.access.gin
9	1.00	1525	ginentrypage.c	src.backend.access.gin
9	1.00	1747	ginvacuum.c	src.backend.access.gin
1	1.00	1152	ginbtree.c	src.backend.access.gin
1	1.00	1599	gindatapage.c	src.backend.access.gin
1	1.00	1525	ginentrypage.c	src.backend.access.gin
1	1.00	1747	ginvacuum.c	src.backend.access.gin
2	1.00	1152	ginbtree.c	src.backend.access.gin
2	1.00	1599	gindatapage.c	src.backend.access.gin
2	1.00	1525	ginentrypage.c	src.backend.access.gin
2	1.00	1747	ginvacuum.c	src.backend.access.gin

"page page", {*page buffer gin index item stack btree blkno offset ptr tupl*}

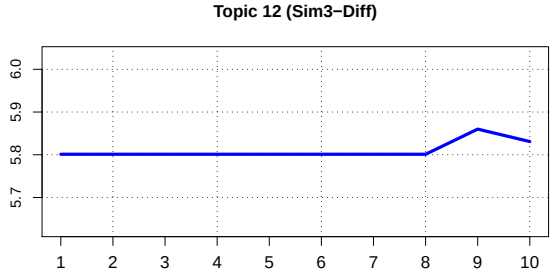
Top 3 matching topics in Sim3-Diff:

Topic	Dist.	EvoDist.
12	0.2261	0.0003
11	0.2479	0.0004
17	1.0509	0.0004

Top 3 matching topic evolutions in Sim3-Diff:

Topic	Dist.	EvoDist.
12	0.2261	0.0003
20	1.7192	0.0003
19	2.1249	0.0004

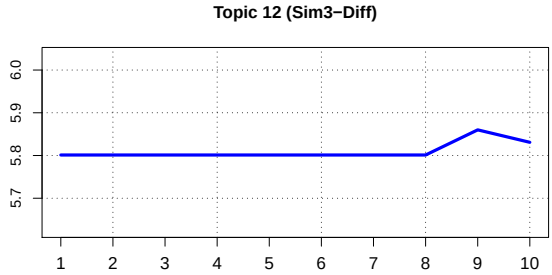
Best matching topic (Topic distance = 0.226, Evolution distance = 0.0003):



V	θ	Size	File	Package
9	0.91	1986	gistvacuum.c	src.backend.access.gist
9	0.85	2787	gist.c	src.backend.access.gist
9	0.62	1747	ginvacuum.c	src.backend.access.gin
9	0.47	2315	nbtree.c	src.backend.access.nbtree
5	0.91	1986	gistvacuum.c	src.backend.access.gist
5	0.85	2787	gist.c	src.backend.access.gist
5	0.62	1747	ginvacuum.c	src.backend.access.gin
5	0.47	2315	nbtree.c	src.backend.access.nbtree
1	0.91	1986	gistvacuum.c	src.backend.access.gist
1	0.85	2787	gist.c	src.backend.access.gist
1	0.62	1747	ginvacuum.c	src.backend.access.gin
1	0.47	2315	nbtree.c	src.backend.access.nbtree

"buffer buffer", {*page buffer index tupl stack state ptr blkno gist parent block*}

Best matching topic evolution (Topic distance = 0.226, Evolution distance = 0.0003):



V	θ	Size	File	Package
9	0.91	1986	gistvacuum.c	src.backend.access.gist
9	0.85	2787	gist.c	src.backend.access.gist
9	0.62	1747	ginvacuum.c	src.backend.access.gin
9	0.47	2315	nbtree.c	src.backend.access.nbtree
5	0.91	1986	gistvacuum.c	src.backend.access.gist
5	0.85	2787	gist.c	src.backend.access.gist
5	0.62	1747	ginvacuum.c	src.backend.access.gin
5	0.47	2315	nbtree.c	src.backend.access.nbtree
1	0.91	1986	gistvacuum.c	src.backend.access.gist
1	0.85	2787	gist.c	src.backend.access.gist
1	0.62	1747	ginvacuum.c	src.backend.access.gin
1	0.47	2315	nbtree.c	src.backend.access.nbtree

"buffer buffer", {*page buffer index tupl stack state ptr blkno gist parent block*}