

# Unveiling Weekly counts of deaths by select cause and by state in United States

MIS 6371.001- SAP CLOUD ANALYTICS – F23

## GROUP – 4

VAMSI REDDY GALIVEETI (VXG230019)

KOMAL SANJAY LOHAR (KXL220022)

### 1. Data sources / Data Acquisition

Collected and extracted Data for the United States

[https://data.cdc.gov/NCHS/Weekly-Counts-of-Deaths-by-State-and-Select-Causes/3yf8-kanr?category=NCHS&view\\_name=Weekly-Counts-of-Deaths-by-State-and-Select-Causes](https://data.cdc.gov/NCHS/Weekly-Counts-of-Deaths-by-State-and-Select-Causes/3yf8-kanr?category=NCHS&view_name=Weekly-Counts-of-Deaths-by-State-and-Select-Causes)

### 2. Cleansing Process and Dataset upload

Cleaned data in excel and uploaded the data and created one Year\_Month column

FileHomeInsertPage LayoutFormulasDataReviewViewAutomateHelpAcrobat

Get & Transform Data

Get From Text/CSVFrom WebFrom Table/RangeRecent SourcesExisting Connections

Get & Transform Data

Refresh All

Queries & ConnectionsPropertiesWorkbook Links

Queries & Connections

StocksCurrencies

Data Types

FilterSortAdvanced

Sort & Filter

Text to ColumnsWhat-If AnalysisForecast Sheet

Data ToolsForecast

CommentsShare

Florida

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Jurisdiction	Year	Week	Week Ending Date	All Cause	Natural Causes	Septicemia	Malignant	Diabetes	Alzheimer	Influenza	Chronic	Other	dise	Nephritis	Symptoms: Diseases of heart
2	Florida	2014	43	10/25/2014	3381	3149	38	854	81	112	36	195	49	47	65	
3	Florida	2014	44	11/1/2014	3501	3261	43	859	85	130	60	173	49	48	49	
4	Florida	2014	45	11/8/2014	3646	3369	44	838	121	140	48	222	48	42	64	
5	Florida	2014	46	11/15/2014	3615	3346	44	820	110	133	51	209	39	70	80	
6	Florida	2014	47	11/22/2014	3672	3383	44	820	110	135	63	206	45	59	56	
7	Florida	2014	48	11/29/2014	3707	3422	44	820	110	159	44	215	45	62	60	
8	Florida	2014	49	12/6/2014	3816	3518	44	820	110	163	66	248	34	70	69	
9	Florida	2014	50	12/13/2014	3805	3515	44	820	110	133	64	220	55	53	72	
10	Florida	2014	51	12/20/2014	3994	3667	44	820	110	153	86	235	43	64	86	
11	Florida	2014	52	12/27/2014	4009	3713	44	820	110	139	73	255	55	67	72	
12	Florida	2014	53	1/3/2015	4135	3823	49	830	100	144	90	289	56	74	71	
13	Florida	2015	1	1/10/2015	4068	3774	52	857	104	146	91	288	59	80	63	
14	Florida	2015	2	1/17/2015	4093	3793	61	797	127	157	95	286	57	76	93	
15	Florida	2015	3	1/24/2015	4062	3736	49	868	132	163	85	269	51	69	79	
16	Florida	2015	4	1/31/2015	3987	3702	50	842	114	123	65	272	58	63	71	
17	Florida	2015	5	2/7/2015	4145	3842	48	888	112	135	87	289	47	77	90	
18	Florida	2015	6	2/14/2015	4049	3755	50	899	136	134	77	246	57	71	76	
19	Florida	2015	7	2/21/2015	4128	3820	51	844	136	162	63	274	49	68	71	
20	Florida	2015	8	2/28/2015	4204	3894	45	902	123	148	73	300	43	72	74	
21	Florida	2015	9	3/7/2015	3967	3697	51	844	125	136	68	243	66	83	77	

Weekly Counts of Deaths by Stat

Rows: Average: 3788.710454 Count: 239702 Sum: 844060281

Microsoft Excel

No duplicate values found.

OK

Accessibility: Unavailable

11/24/2023

# Unveiling Weekly counts of deaths by select cause and by state in United States

The screenshot displays the SAP Analytics Cloud interface. The main table shows weekly death counts for Florida from 2014 to 2015. The columns include Jurisdiction, Year, Week, Week End, and various causes of death. The right sidebar shows the 'Dataset Overview' for 'GroupProject' with 2000 rows and 17 columns. The 'Measures' section lists 13 measures, including 'All Cause', 'Natural Cause', 'Septicemia', 'Malignant neoplasms', 'Diabetes mellitus', 'Alzheimer disease', 'Influenza and pneumonia', and 'Chronic lower respiratory di...'. The 'Dimensions' section shows 1/4 dimensions.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Jurisdiction	Year	Week	Week End	All Cause	Natural Cause	Septicemia	Malignant	Diabetes	Alzheimer	Influenza	Chronic	Other	Nephritis	Symptom	Diseases	Cerebro
Florida	2014	43	10/25/2014	3381	3149	38	854	81	112	36	195	49	47	65	822	199
Florida	2014	44	11/1/2014	3501	3261	43	859	85	130	60	173	49	48	49	817	205
Florida	2014	45	11/8/2014	3646	3369	44	838	121	140	48	222	48	42	64	846	211
Florida	2014	46	11/15/2014	3615	3346	43	828	110	133	51	209	39	70	80	827	214
Florida	2014	47	11/22/2014	3672	3383	39	824	109	135	63	206	45	59	56	886	218
Florida	2014	48	11/29/2014	3707	3422	41	837	94	159	44	215	45	62	60	938	226
Florida	2014	49	12/6/2014	3816	3518	52	845	109	163	66	248	34	70	69	872	225
Florida	2014	50	12/13/2014	3805	3515	43	821	130	133	64	220	55	53	72	937	247
Florida	2014	51	12/20/2014	3994	3667	54	850	108	153	86	235	43	64	86	969	257
Florida	2014	52	12/27/2014	4009	3713	48	862	108	139	73	255	55	67	72	1012	217
Florida	2015	1	1/3/2015	4135	3823	49	830	100	144	90	289	56	74	71	1030	230
Florida	2015	2	1/10/2015	4068	3774	52	857	104	146	91	288	59	80	63	967	228
Florida	2015	3	1/17/2015	4093	3793	61	797	127	157	95	286	57	76	93	994	243
Florida	2015	4	1/24/2015	4062	3736	49	868	132	163	85	269	51	69	79	992	238
Florida	2015	5	1/31/2015	3987	3702	50	842	114	123	65	272	58	63	71	988	250
Florida	2015	6	2/7/2015	4145	3842	48	888	112	135	87	289	47	77	90	1033	260

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Florida	2014	43	10/25/2014	3381	3149	38	854	81	112	36	195	49	47	65	822	199
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## 3. Modeling the Dataset

The screenshot displays the SAP Analytics Cloud interface. The main area shows a data table with columns: Jurisdiction, Year, Week, Week End..., All Cause, Natural C..., Septicemia, Malignant..., and Deaths. The table contains data for Florida and the United States across various weeks in 2014 and 2015. On the right, a sidebar titled 'Week Ending Date' shows modeling options: Unique Values (313), Sampled Rows (2000), Data Type (Date), and Date Format (MM/DD/YYYY). Below this, 'Data Quality' indicates 'No data quality issues detected.' and 'Data Distribution' shows 'Number of Bars' set to 14. At the bottom, there are buttons for 'Create Model' and 'Validate Data'.

Jurisdiction	Year	Week	Week End...	All Cause	Natural C...	Septicemia	Malignant...	Deaths
Florida	2014	43	10/25/2014	3149	38	854	81	
Florida	2014	44	11/1/2014	3261	43	859	85	
Florida	2014	45	11/8/2014	3646	3369	44	838	
Florida	2014	46	11/15/2014	3615	3346	43	828	
Florida	2014	47	11/22/2014	3672	3383	39	824	
Florida	2014	48	11/29/2014	3707	3422	41	837	
Florida	2014	49	12/6/2014	3816	3518	52	845	
Florida	2014	50	12/13/2014	3805	3515	43	821	
Florida	2014	51	12/20/2014	3994	3667	54	850	
Florida	2014	52	12/27/2014	4009	3713	48	862	
Florida	2015	3	1/24/2015	4062	3736	49	868	
Florida	2015	4	1/31/2015	3987	3702	50	842	
Florida	2015	17	5/2/2015	3617	3331	49	824	
Florida	2015	18	5/9/2015	3809	3493	38	922	
United States	2014	7	2/15/2014	53910	50175	851	11477	
United States	2014	8	2/22/2014	52752	49010	708	11478	

The screenshot displays the SAP Analytics Cloud interface in the 'Data Management' section. The main area shows 'Draft Sources' and 'Import Jobs'. The 'Import Jobs' table lists an import job for 'Weekly\_Counts\_of\_Deaths\_b...' with a query 'Weekly\_Counts\_of\_Deaths\_by\_State\_an...' and a schedule 'Uploaded once'. The 'Export Jobs' section is empty. On the right, a 'Data Timeline' sidebar shows a successful import of 15963 rows for 'Weekly\_Counts\_of\_Deaths\_by...' on Nov 24, 2023 at 18:02:52. At the bottom, there are buttons for 'Import' and 'Export'.

Name	Query	Schedule	Last Updated
Weekly_Counts_of_Deaths_b...	Weekly_Counts_of_Deaths_by_State_an...	Uploaded once	Nov 24, 2023 18:02:52

# Unveiling Weekly counts of deaths by select cause and by state in United States

The screenshot shows the SAP Analytics Cloud Modeler interface. The left sidebar contains a navigation menu with options like Account, Date, Generic, Jurisdiction\_of\_Occurrence, Year, Sm\_si\_dbomaliabto\_dn\_nolhe\_se, and Area\_2. The main workspace displays a Data Foundation model with a central 'Data Foundation' node connected to several dimension nodes: 'Week\_Ending\_Date', 'Jurisdiction\_of\_Occurrence', 'Year', 'Symptoms, sig...', and 'All\_Cause'. Below the model, a table shows the data results for 'All\_Cause' across different weeks and jurisdictions.

Account	Week Ending ...	Jurisdiction of ...	Year	Symptoms, sig...	Results
All_Cause	2014-06-28	Alabama	2014	18	Al...
All_Cause	2014-06-21	Alabama	2014	16	Al...
All_Cause	2014-08-30	Alabama	2014	70	Al...

Results: 207519

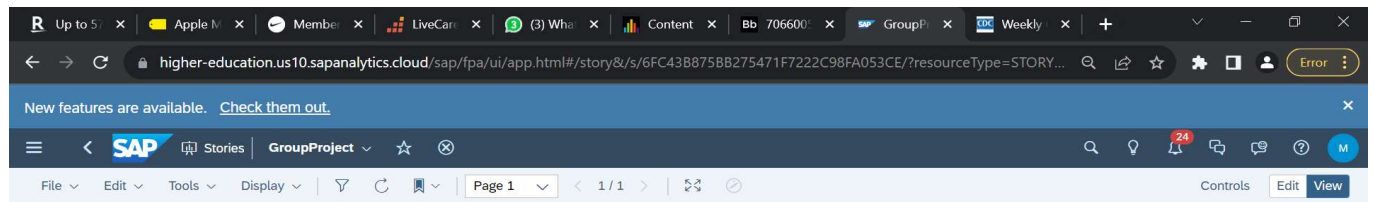
The screenshot shows the SAP Analytics Cloud Modeler interface. The left sidebar contains a navigation menu with options like Home, Files, Apps, Stories, Analytic Applications, Data Analyzer, Digital Boardroom, Datasets, Modeler, Data Actions, Allocations, More..., Connections, and System. The main workspace displays a Data Foundation model with a central 'Data Foundation' node connected to a dimension node 'Week\_Ending\_Date'. Below the model, a table shows the data results for 'All\_Cause' across different weeks and jurisdictions.

Measures	Year	Week	All_Cause	Natural_Cause	Septicemia	Malignant_neoplasms	Diabetes_mellitus	Alzheimer_disease
Year	2014	2014	2014	2014	2014	2014	2014	2014
Week	2014-06-28	2014-06-21	2014-08-30	2014-06-28	2014-06-21	2014-08-30	2014-06-28	2014-06-21
All_Cause	18	16	70	18	16	70	18	16
Natural_Cause	18	16	70	18	16	70	18	16
Septicemia	18	16	70	18	16	70	18	16
Malignant_neoplasms	18	16	70	18	16	70	18	16
Diabetes_mellitus	18	16	70	18	16	70	18	16
Alzheimer_disease	18	16	70	18	16	70	18	16



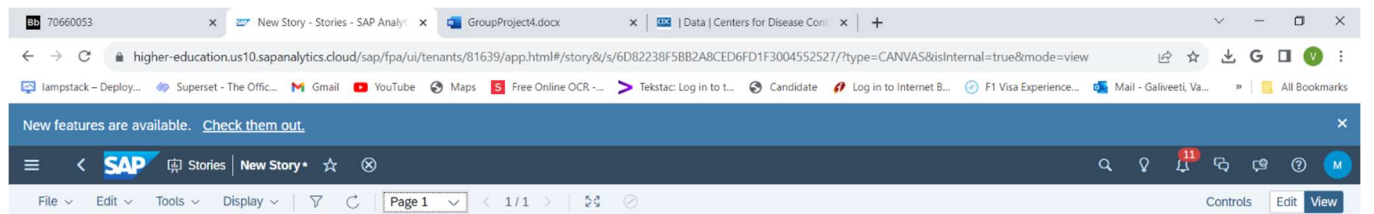
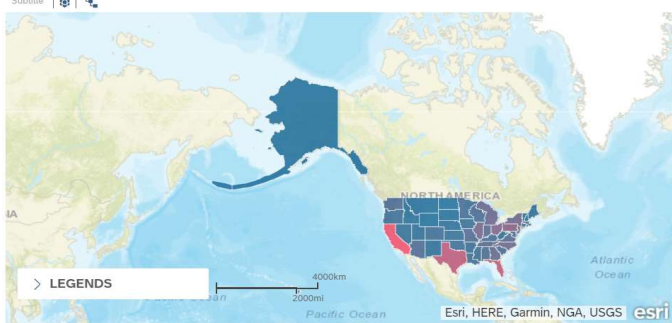
# Unveiling Weekly counts of deaths by select cause and by state in United States

## 4. Visualization

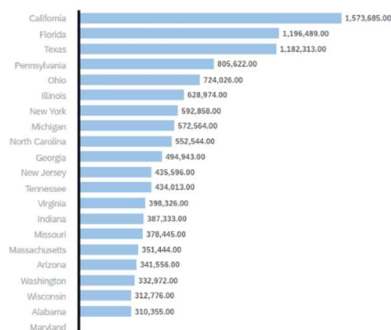


Natural Death with respect to States in the United State

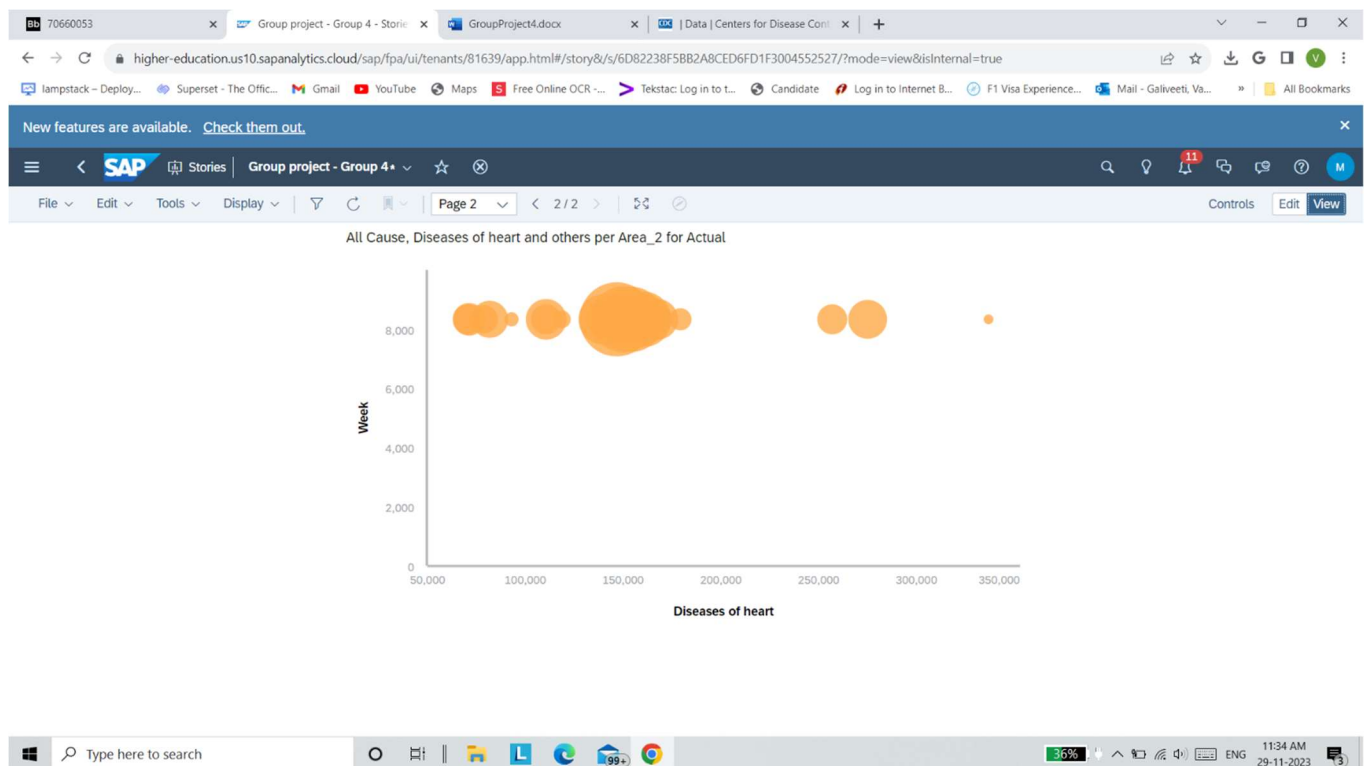
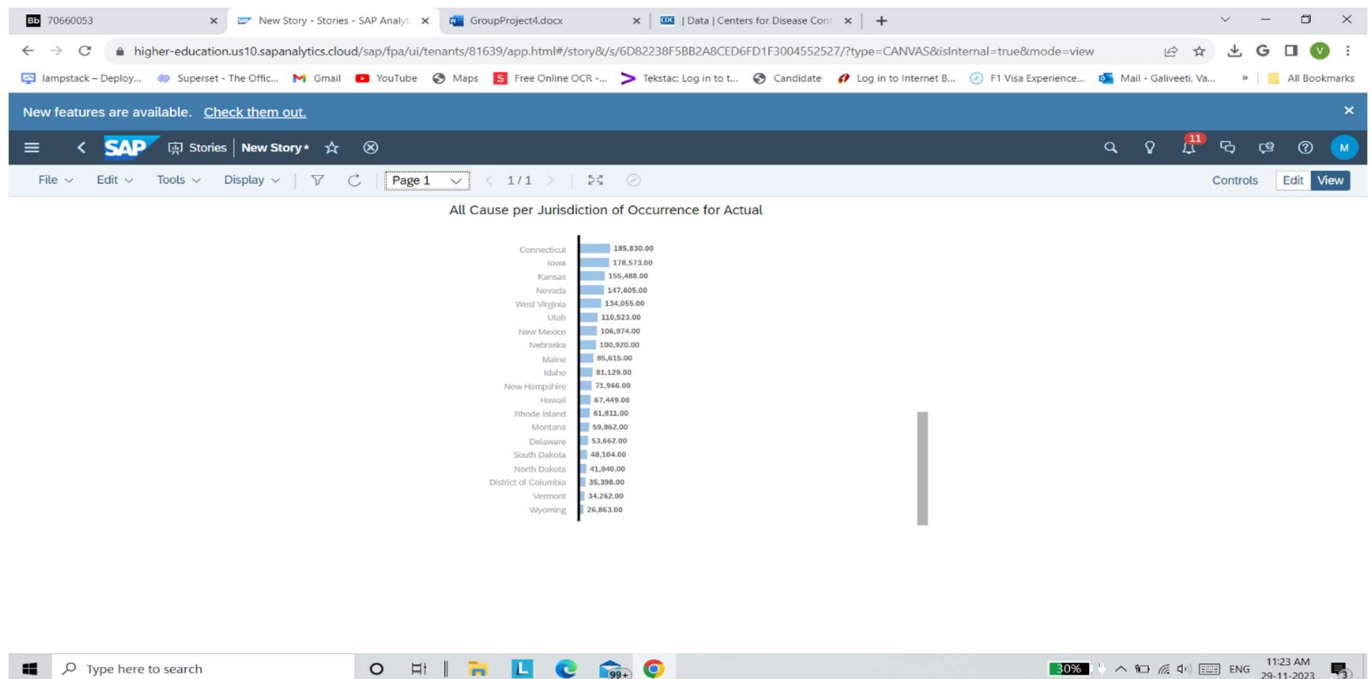
Death Rate by Natural Cause with respect to state



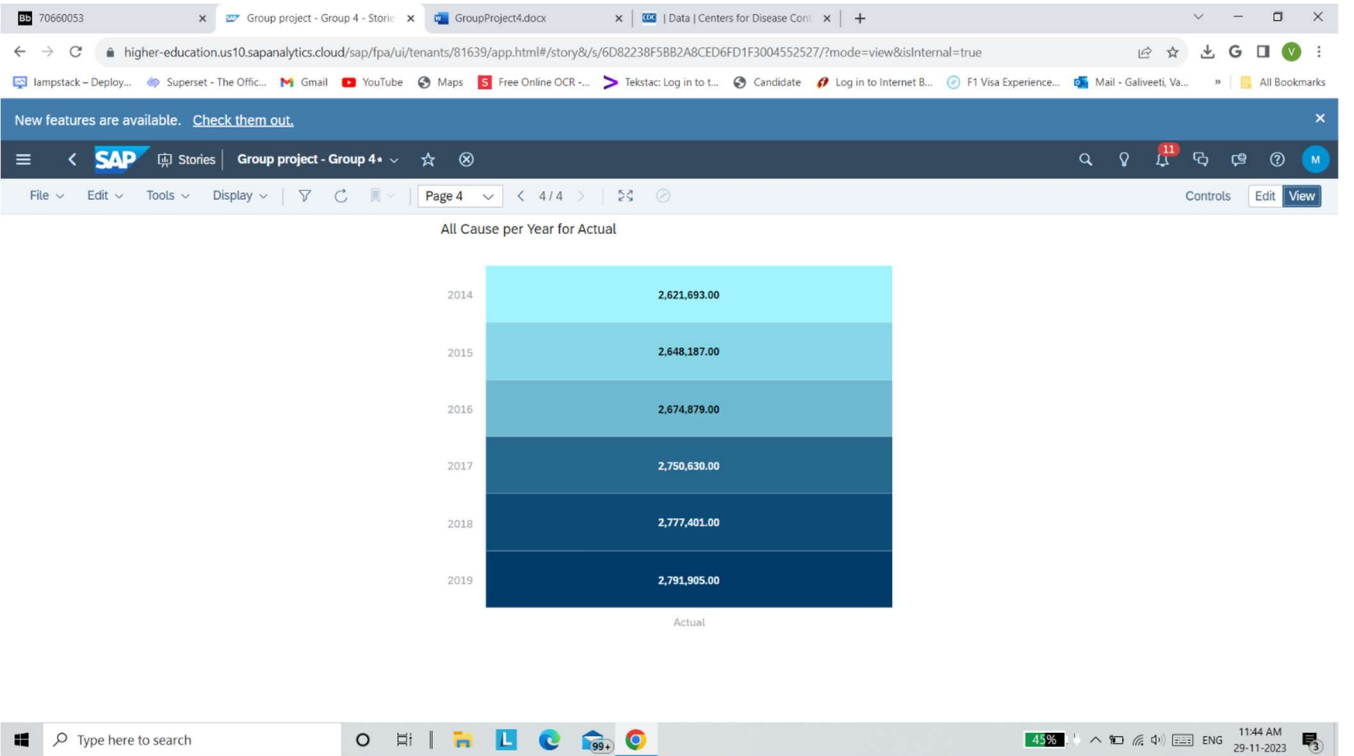
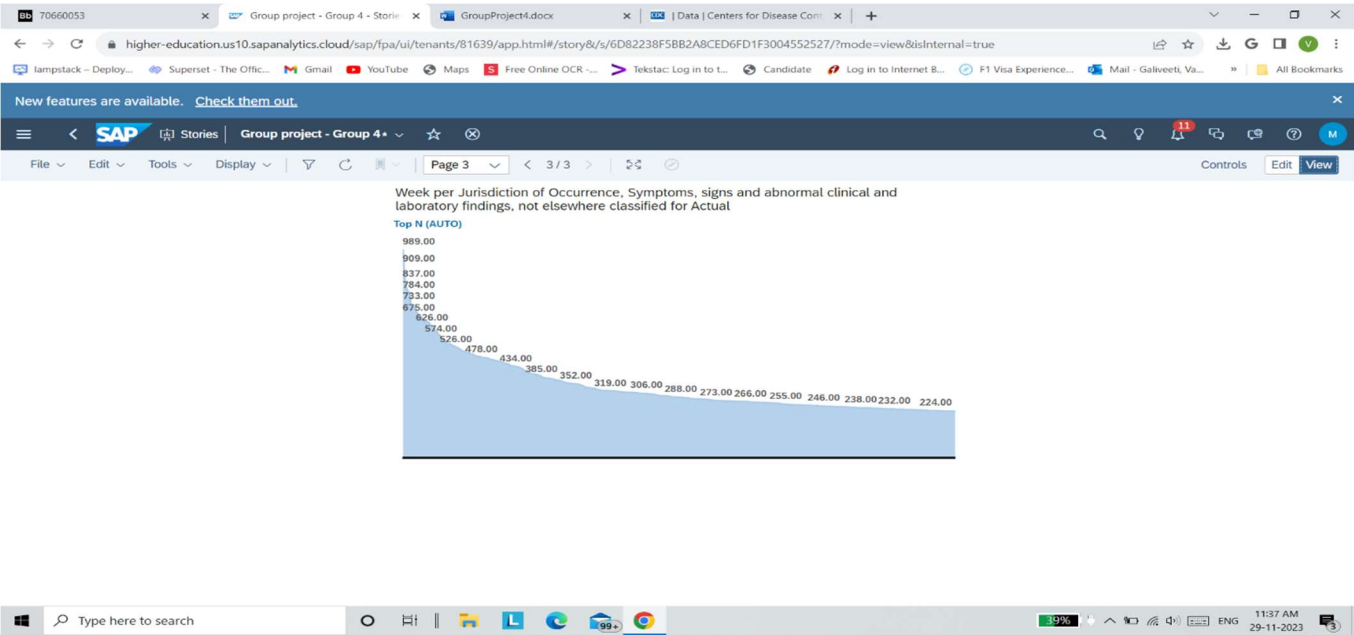
All Cause per Jurisdiction of Occurrence for Actual



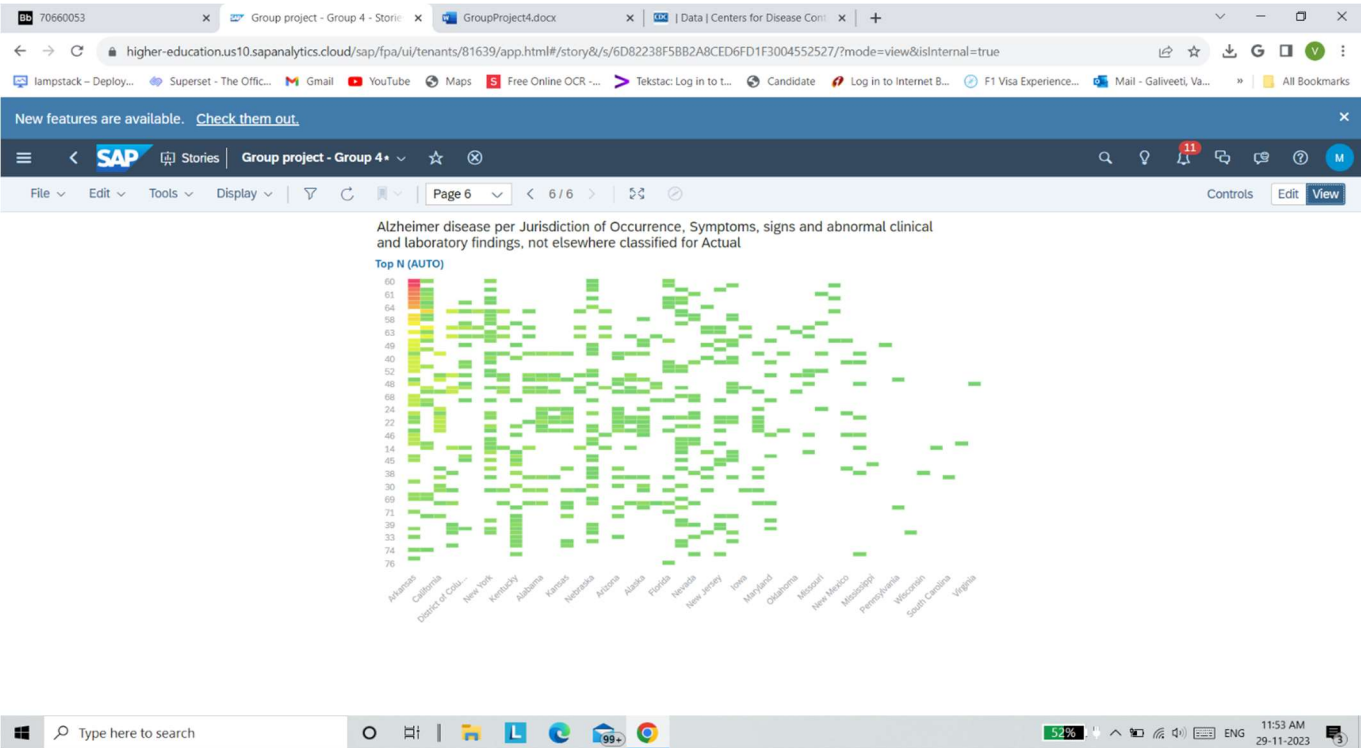
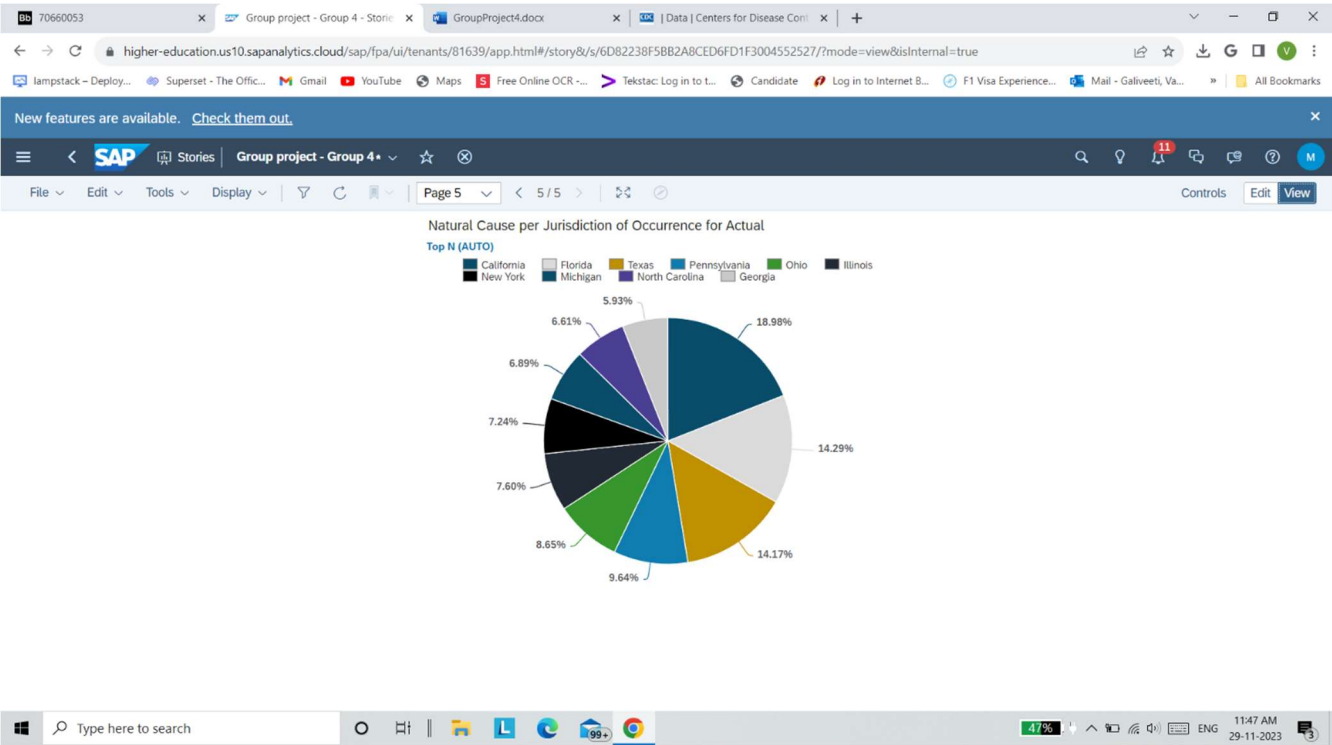
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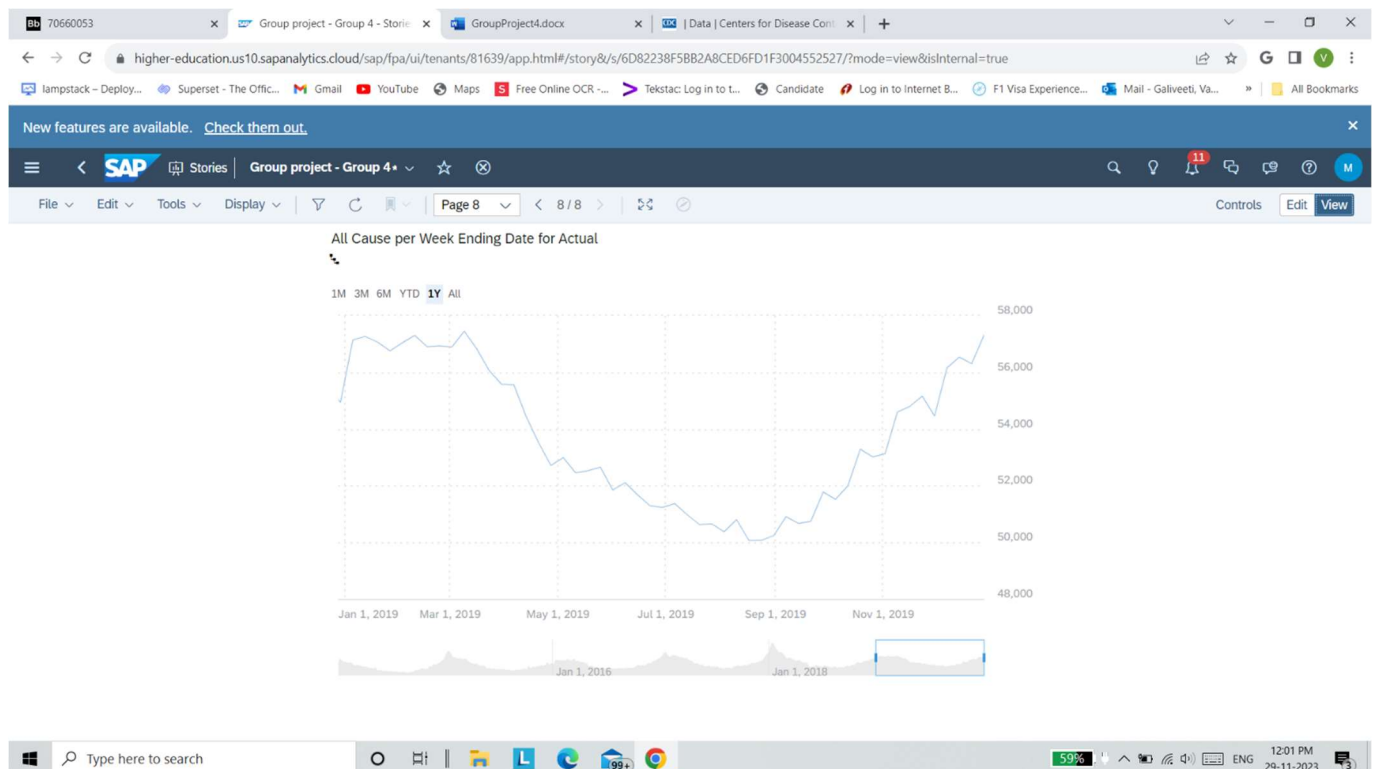
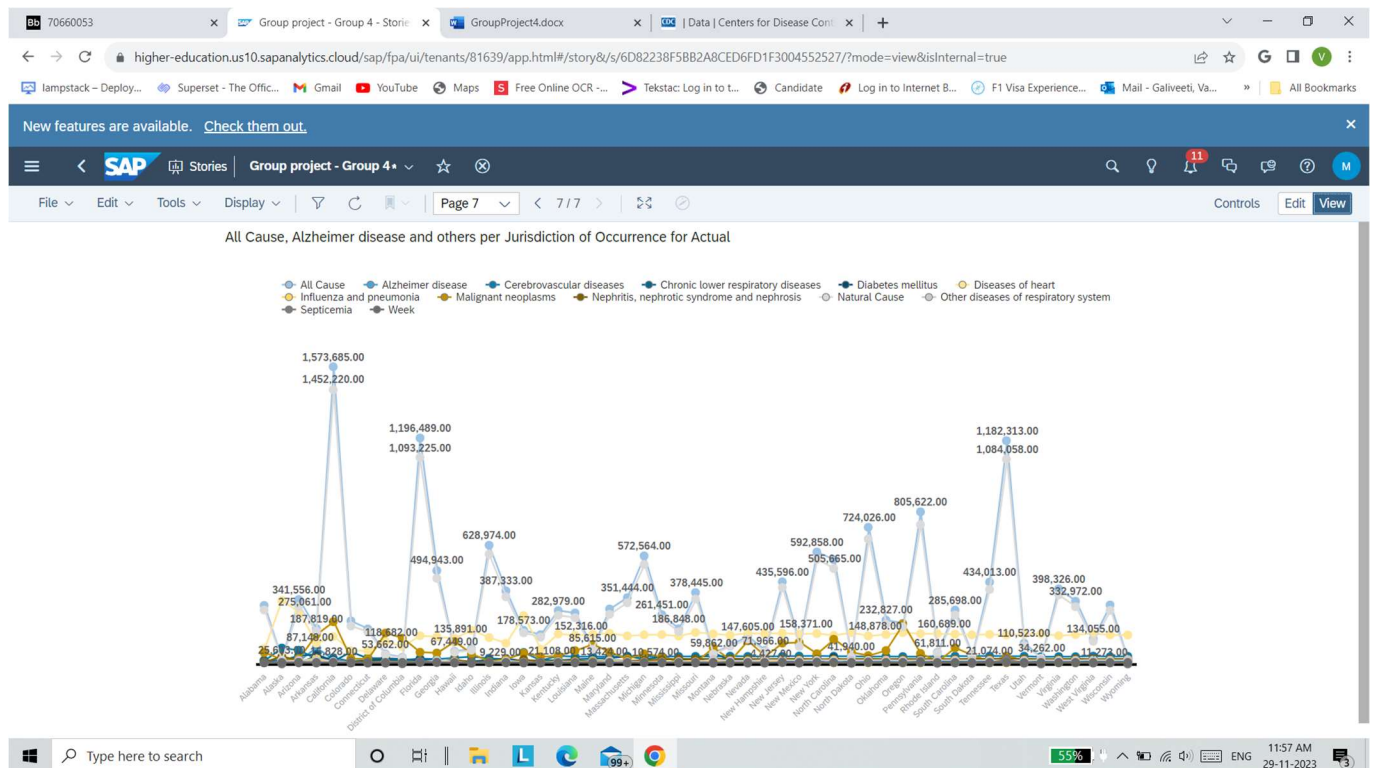


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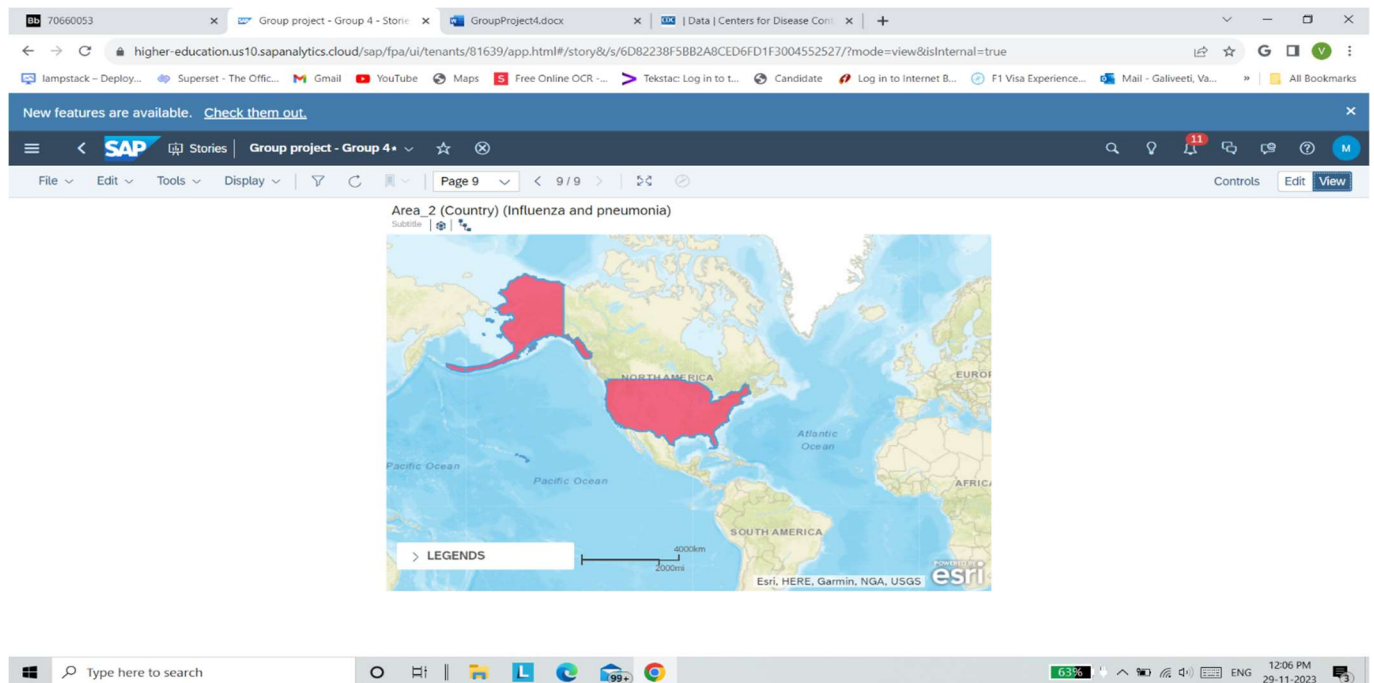




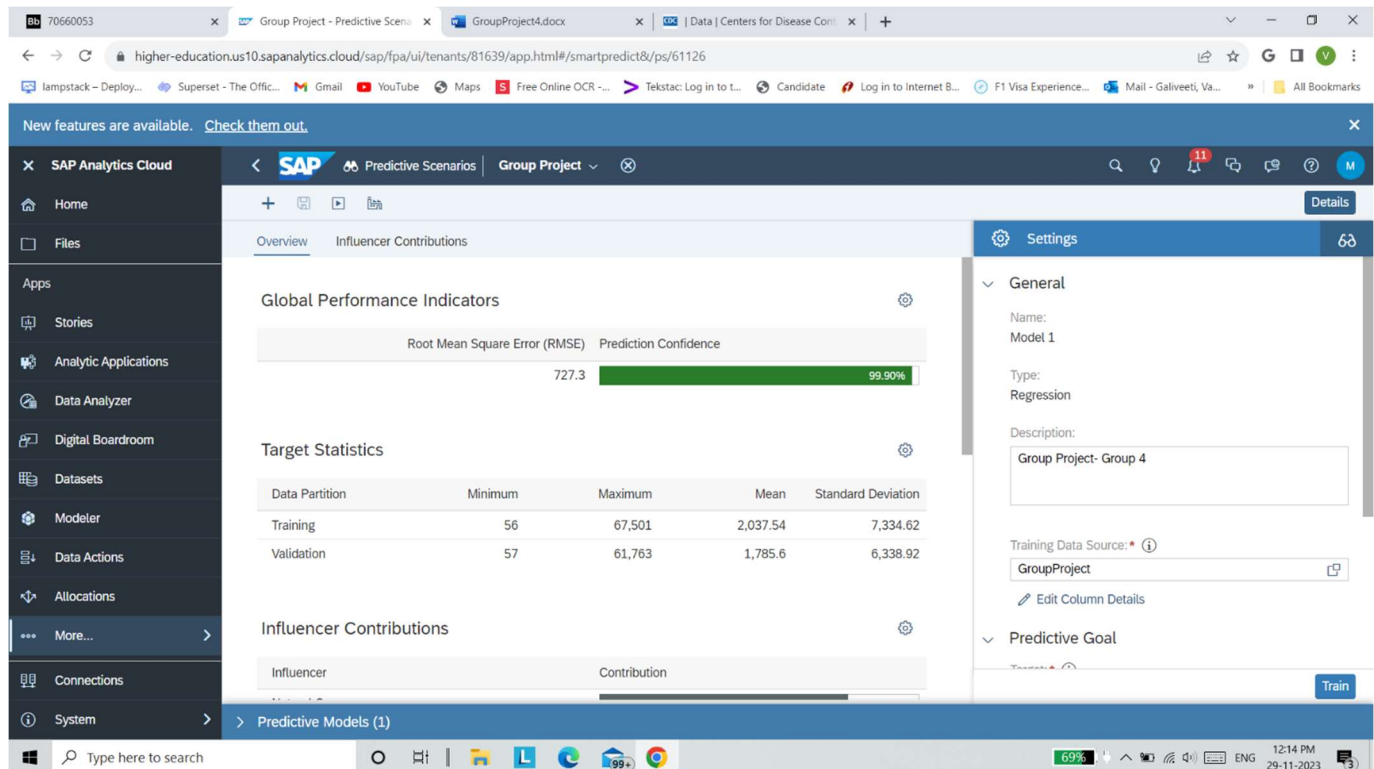
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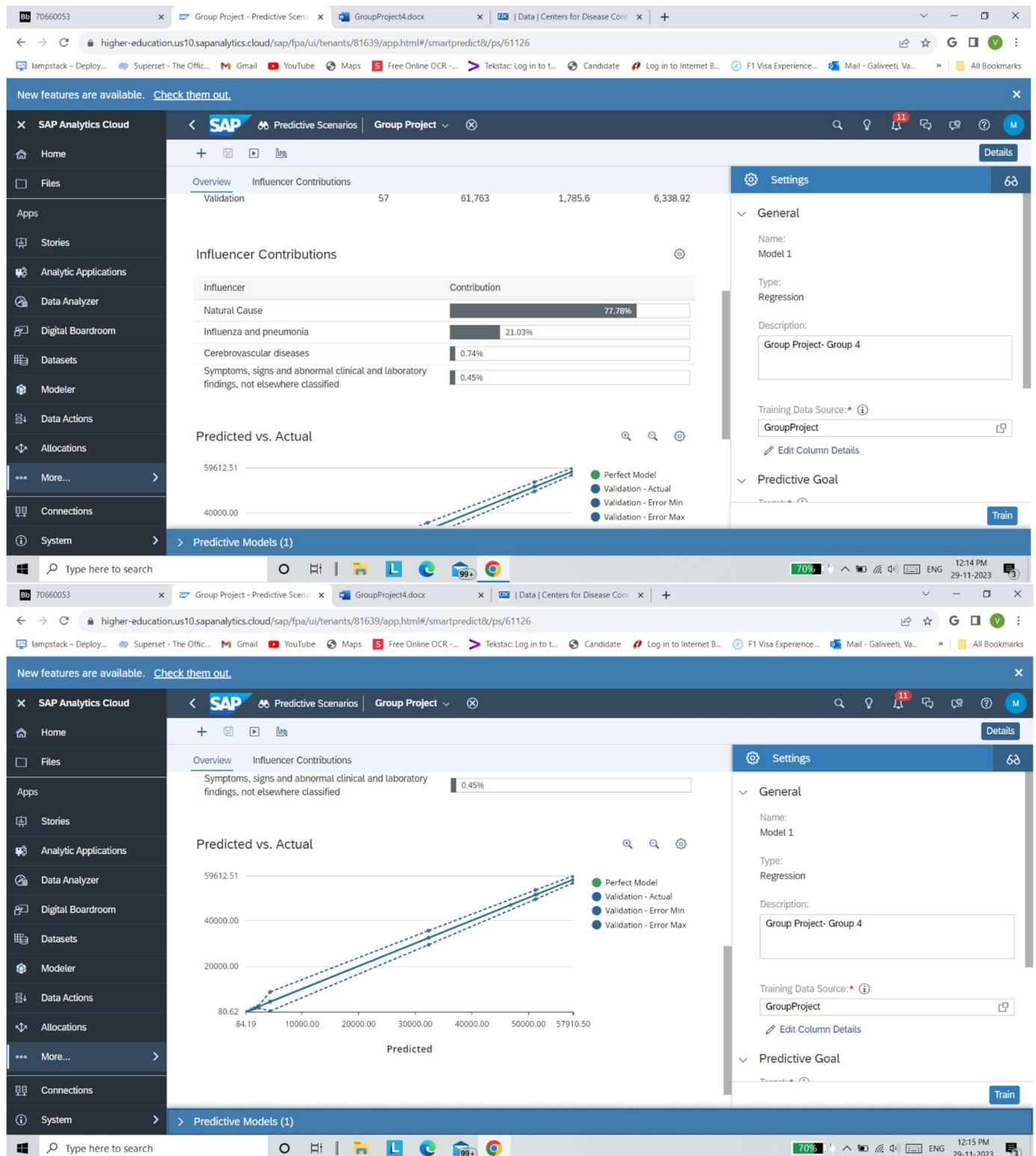
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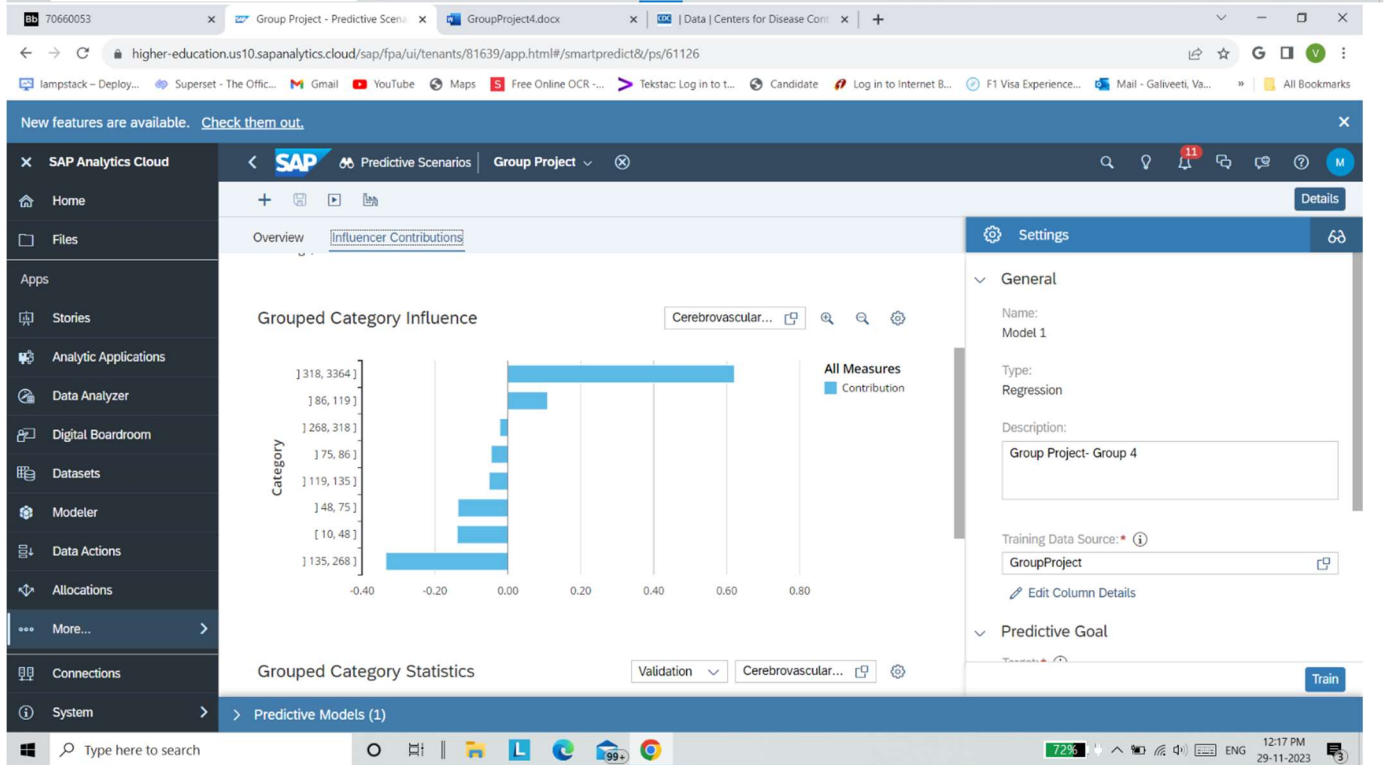
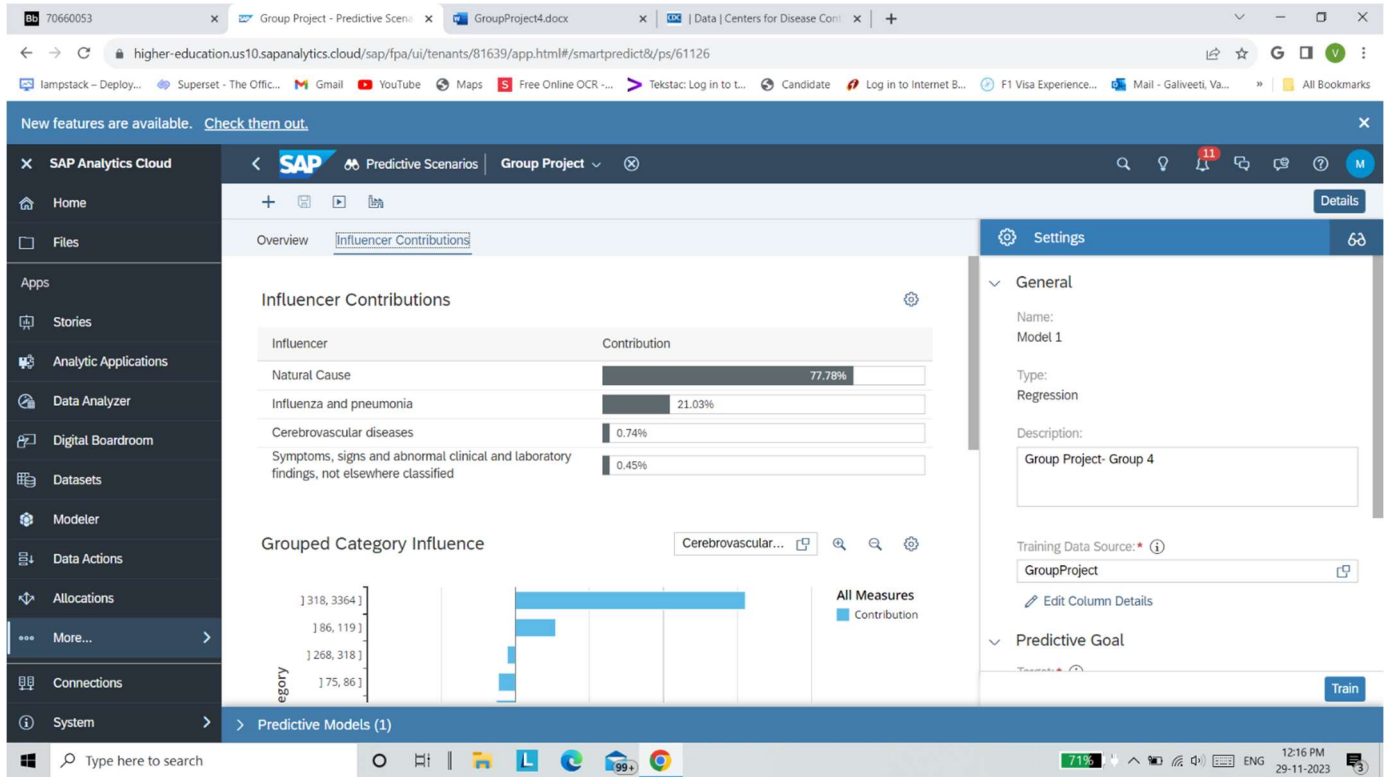
## 5. Predictive Scenario



# Unveiling Weekly counts of deaths by select cause and by state in United States



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