beaR

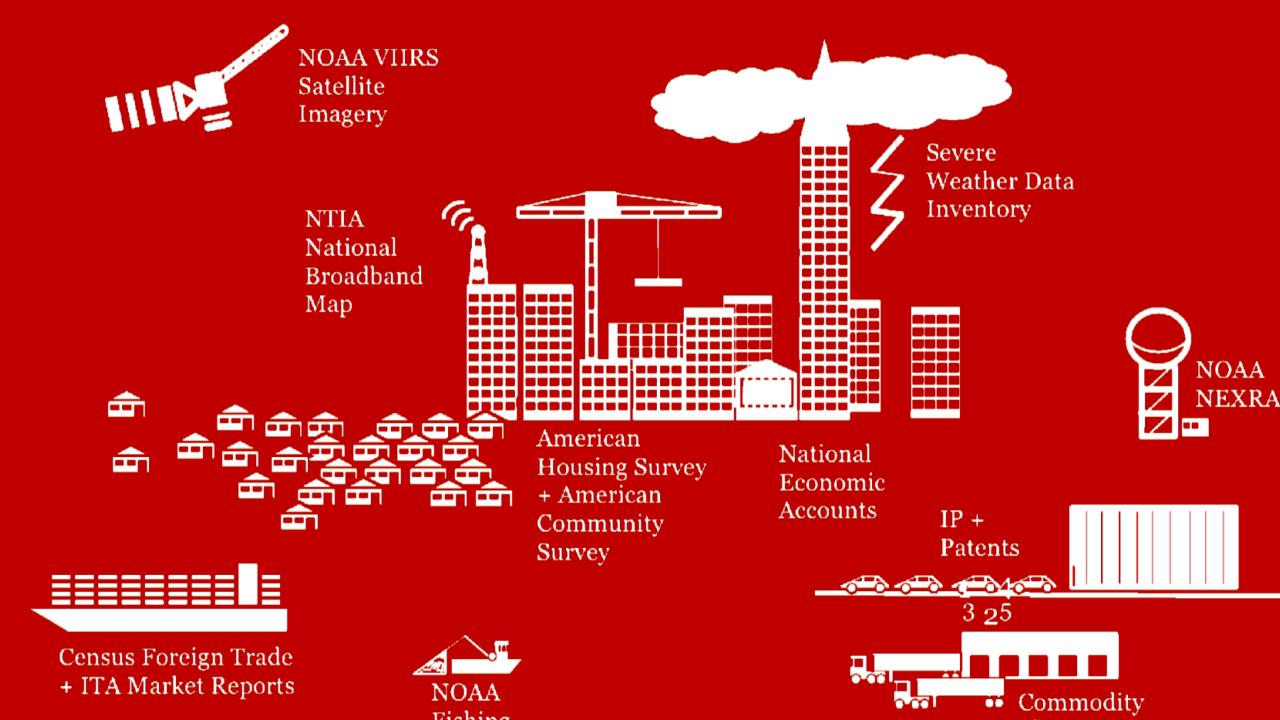
a new R library from BEA

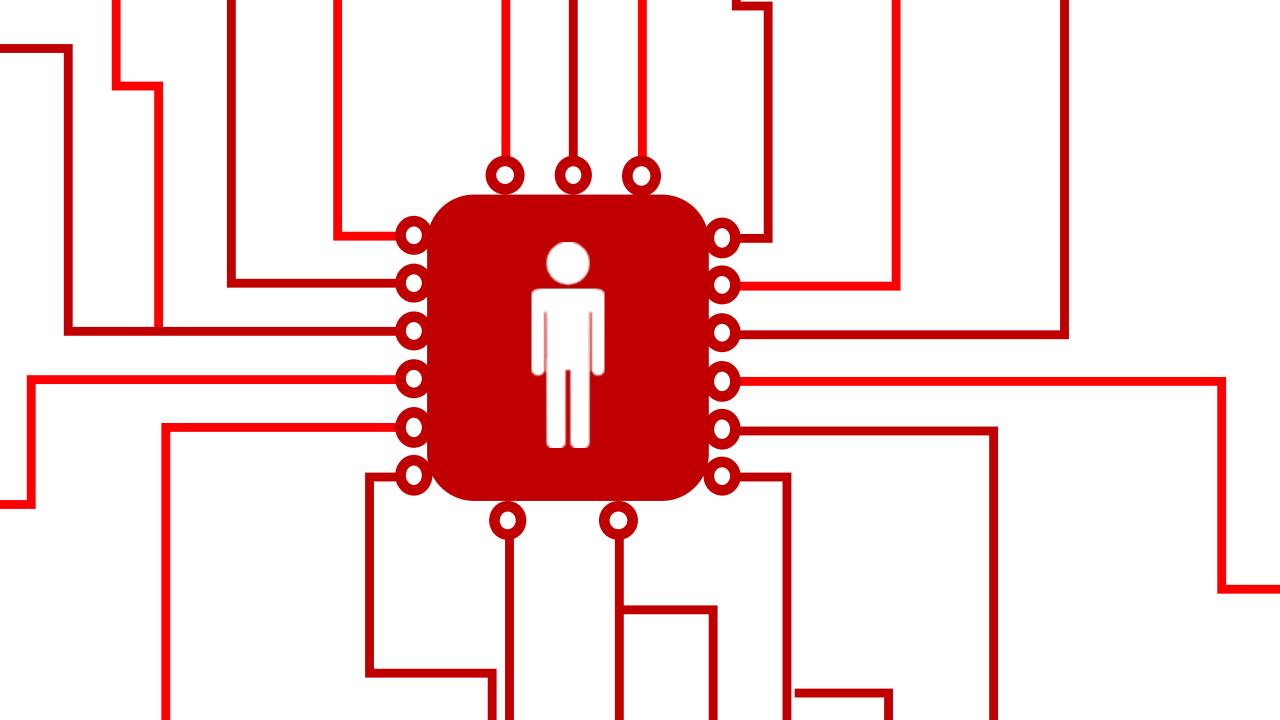


Jeff Chen, Chief Data Scientist, US Dept. of Commerce



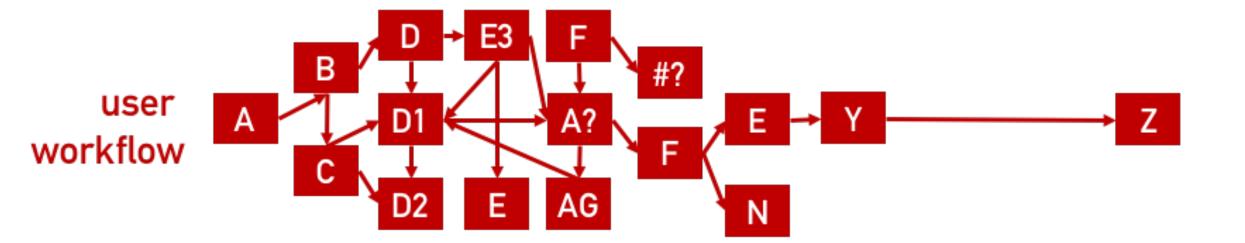
Brendan Leary, Branch Chief, Bureau of Economic Analysis Andrea Julca, Economist, Bureau of Economic Analysis



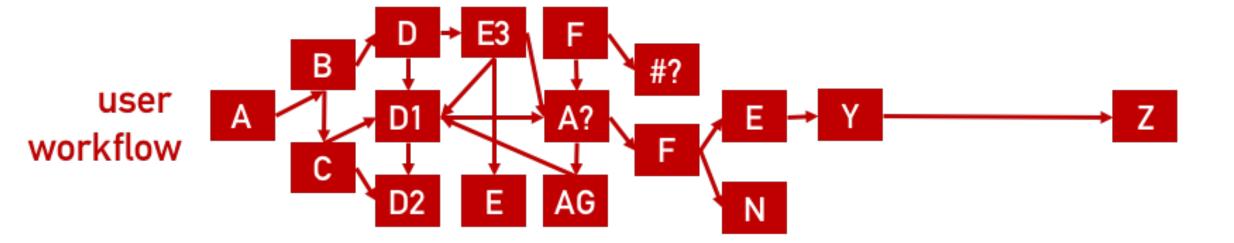


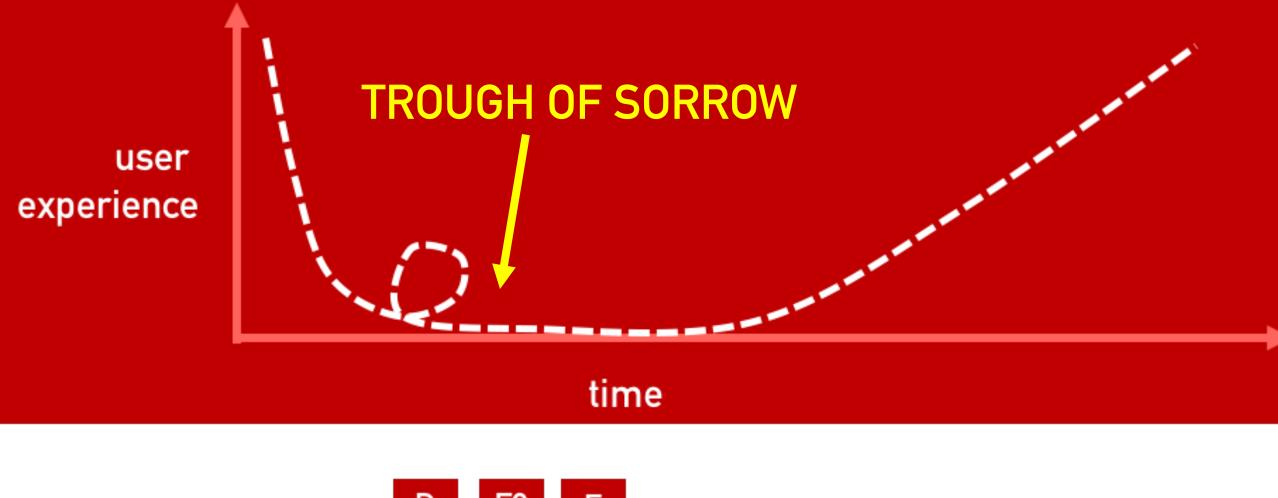
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1100001	01110100	01100001	01100100	01106					
1100100	01100001	01110100	01100001	01100					
1100001	01100100	01100001	01110100	011000					
1110100	01100001	01100100	01100001	0111010					
1100001	01110100	01100001	01100100	01100001	01110100	011000			
1100100	01100001	01110100	01100001	01100100	01100001	01110100			
1100001	01100100	01100001	01110100	01100001	01100100	01100001	011		
1110100	01100001	01100100	01100001	01110100	01100001	01100100	011006		
1100001	01110100	01100001	01100100	01100001	01110100	01100001	01100106		
1100100	01100001	01110100	01100001	01100100	01100001	01110100	01100001	O.	
1100001	01100100	01100001	01110100	01100001	01100100	01100001	01110100	01	
1110100	01100001	01100100	01100001	01110100	01100001	0	01100001		
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1100100	01100001	01110100	01100001	01100100					
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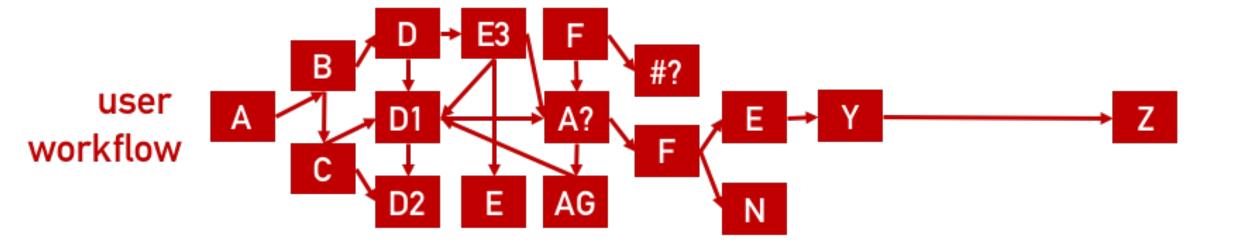




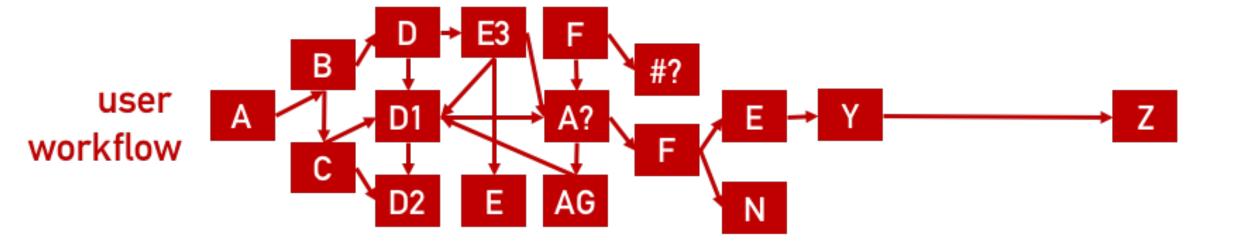




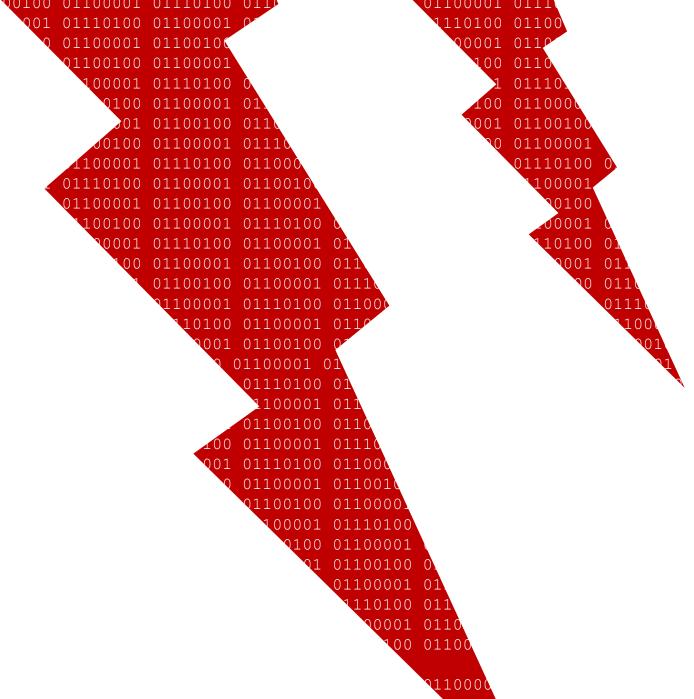




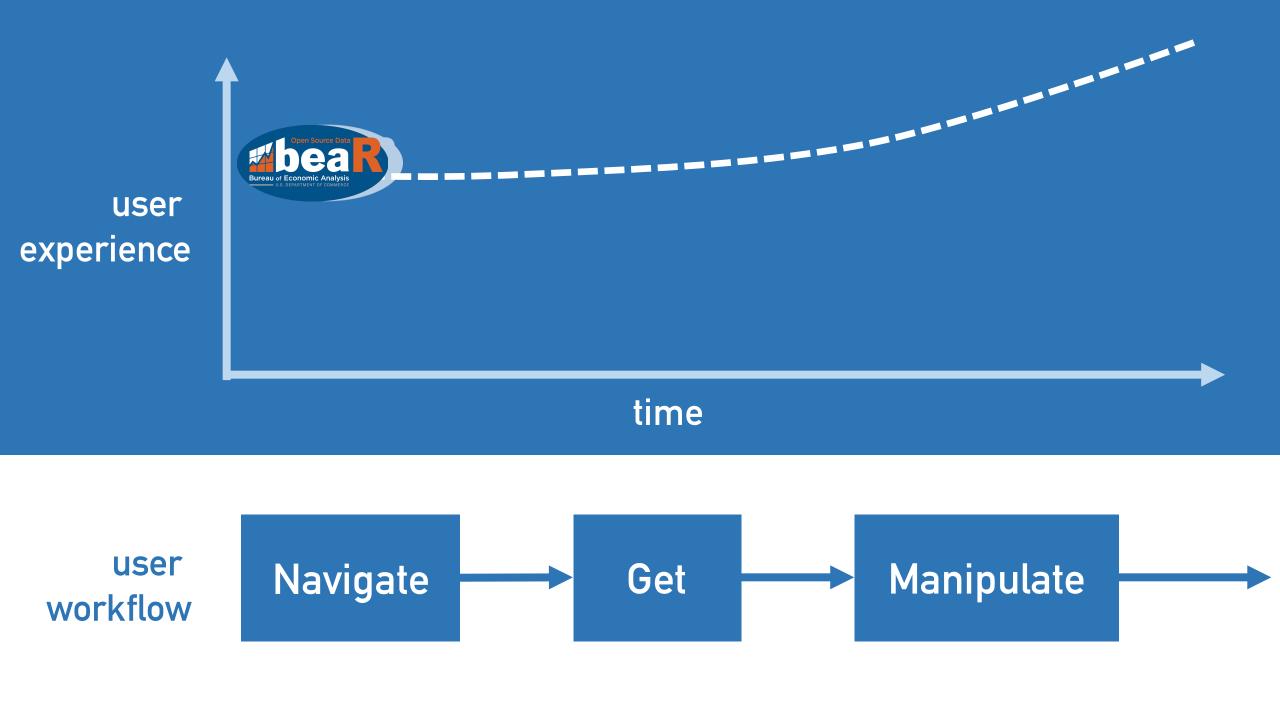




TEDIUM. TEDIUM. TEDIUM?







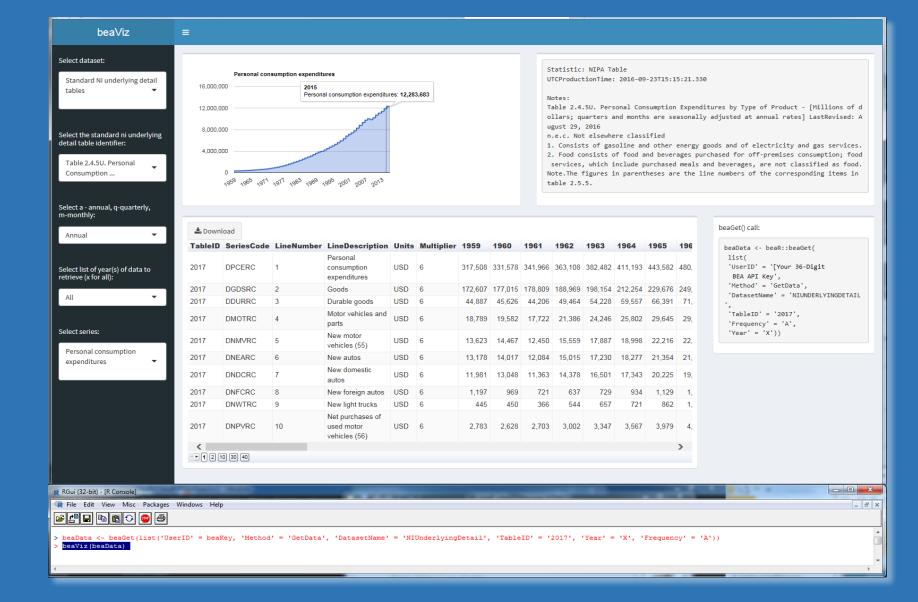
NAVIGATE

beaSets()
beaParamVals()
beaSearch()

Show 10 • entries SeriesCode		LineDescription (LineNumber (ParentLineNumber ()	Search	consumption	expenditur TableID	DatasetName :	TableName (ReleaseDate	NextReleaseDate	MetaDataUpdated	Account	apiCall	Key (Desc o
56 DVPIRA3	740	Video and audio equipment, computers, and related services	74	73	3	1.2.73.74	72	NIPA	Table 2.5.3. Real Personal Consumption Expenditures by Function, Quantity Indexes	August 03, 2016	- Catter Dutc	2016-09- 12T14:15:53.657	National	beaGet(list('UserID') = '[your key]', Method' = 'GetData', DatasetName' = 'NIPA', 'TableID' = '72',))	May v	Date
57 DSVCRA3	770	Services related to video and audio goods and computers	77	74	4	1.2.73.74.77	72	NIPA	Table 2.5.3. Real Personal Consumption Expenditures by Function, Quantity Indexes	August 03, 2016		2016-09- 12T14:15:53.657	National	beaGet(list('UserID' = '[your_key]', 'Method' = 'GetData', 'DatasetName' = 'NIPA', 'TableID' = '72',))		
58 DVPIRG3	740	Video and audio equipment, computers, and related services	74	73	3	1.2.73.74	73	NIPA	Table 2.5.4. Price Indexes for Personal Consumption Expenditures by Function	August 03, 2016		2016-09- 12T14:15:53.657	National	beaGet(list('UserID' ='[your_key]', 'Method' = 'GetData', 'DatasetName' = 'NIPA', 'TableID' = '73',))		
									Table 2.5.4.					beaGet(list('UserID'		
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2001	out only [in component				_									
R File	Edit View Mis	sc Packages Windows	Help											-
<u> </u>														
تار –														
> beaK	ey <- "Your	36-digit BEA API)	rey"											
> beaS	earch('compu	ters', beaKey)												
S	eriesCode Ro	wNumber	LineDe	scription	LineNumber Pa:	rentLineNumber Ti	er	Path T	ableID	DatasetName				ş
1:	B850RL1	110 Computers,	peripherals,	and parts	11	9	3	1.2.9.11	129	NIPA	Table 4.2.1.	Percent	Change From Preceding Period in	Real\$
2:	B852RL1	350 Computers,	peripherals,	and parts	35	33	3 2	25.26.33.35	129	NIPA	Table 4.2.1.	Percent	Change From Preceding Period in	Real\$
3:	B850RZ2	130 Computers,	peripherals,	and parts	11	9	2	2.9.11	130	NIPA	Table	4.2.2.	Contributions to Percent Change	in R\$
4:	B852RZ2	390 Computers,	peripherals,	and parts	35	33	2	26.33.35	130	NIPA	Table	4.2.2.	Contributions to Percent Change	in R\$
5:	B850RA3	110 Computers,	peripherals,	and parts	11	9	3	1.2.9.11	131	NIPA			Table 4.2.3. Real Expo:	rts a\$
														Ş
142:	B852RX0	590 Computers,	peripherals,	and parts	59	57	3 4	49.50.57.59	2112	NIUnderlyingDetail			Table 4.2.6U. Real Exp	orts \$
143:	B850RC0	110 Computers,	peripherals,	and parts	11	9	3	1.2.9.11	2113	NIUnderlyingDetail				Table\$
144:	B852RC0	590 Computers,	peripherals,	and parts	59	57	3 4	49.50.57.59	2113	NIUnderlyingDetail			:	Table\$
145:	B850RA3	110 Computers,	peripherals,	and parts	11	9	3	1.2.9.11	2114	NIUnderlyingDetail			Table 4.2.3U. Real Expo:	rts a\$
146:	B852RA3	590 Computers,	peripherals,	and parts	59	57	3 4	49.50.57.59	2114	NIUnderlyingDetail			Table 4.2.3U. Real Expo:	rts a\$
>		• ,		-									-	





GET/VIEW

beaGet()
beaViz()



1	2	3	4	5	
Year	2000	2001	2002	2003	
Qtr	1	1	1	1	
Val	12	14	26	38	

Year	Qtr	Val
2000	1	12
2001	1	14
2002	1	22
2003	1	26
2004	1	38
2005	1	34
	1	46

MANIPULATE

bea2List()

bea2Tab()



Which is the Awesomest Choice?





Coding from scratch

>200

lines of code

>180

minutes to get to the **right** data

Using



< 20

lines of code

< 10

minutes to get to the **right** data

