

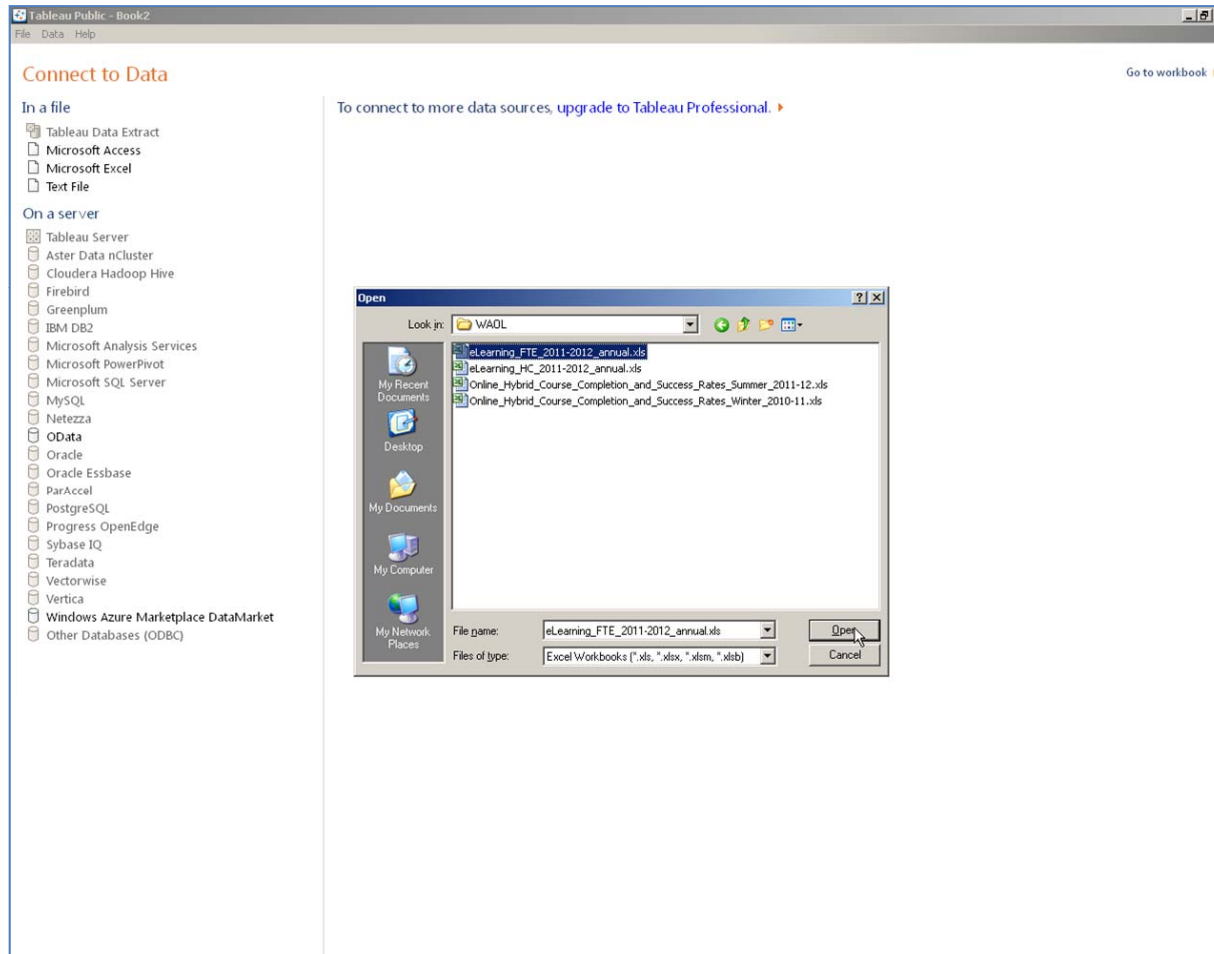
# Creating a Data Visualization using Tableau Public

# Starting up the Program

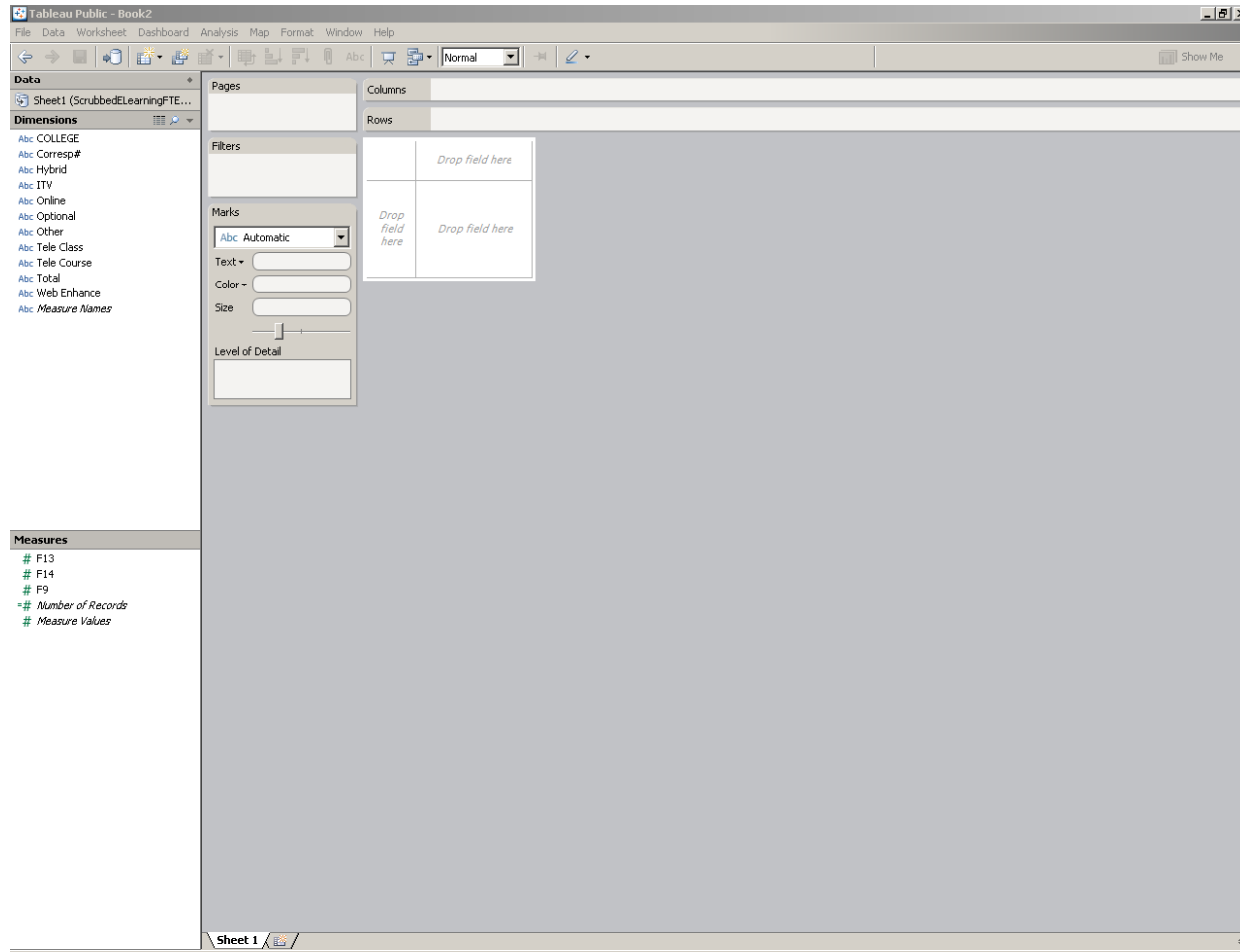
The screenshot shows the Tableau Public website interface. At the top, the Tableau Public logo is displayed. Below the logo, there is a section titled "Create a viz now" with two steps: "1. Open your data (.xls or .txt)" and "2. Drag & Drop to visualize". A prominent orange button labeled "Open Data" is positioned below these steps. To the right of this section, the text "Open. Create. Share." is displayed in a large, bold font. Below the main navigation area, there are three tabs: "Get Started", "Find Training & Templates", and "Get Inspired". The "Get Started" tab is currently selected. In the center of the page, there is a preview of a Tableau visualization showing a line chart and a scatter plot. To the right of this preview is an orange button labeled "Watch the Getting Started Video". Below the main content area, there is a section titled "What's Sweet This Week" which features four columns of featured visualizations: "Most Beautiful" (a bar chart titled "Cash Always Looks Good" by Craig Wilson), "Most Commented" (a scatter plot titled "Trade Barriers and Medicine" by Trigo Viera), "Most Interesting" (a bubble chart titled "Where the Super PAC Money Comes From" by Jeffrey Ernst Friedman), and "Wild Five" (a horizontal bar chart titled "The 5 Top viewed vizes of the week"). To the right of this section is a "Twitter" feed. At the bottom of the page, there are two main sections: "Upgrade Your Analytics" and "Training and Tutorials". The "Upgrade Your Analytics" section includes a link to "Visit Tableau Software". The "Training and Tutorials" section includes a link to "Start learning". On the far right, there are social media links for "Join Us" and "Like Us" with icons for Twitter, Facebook, LinkedIn, and YouTube.

# TRY 1

# Open Data



# Ingested Data



# Dimensions

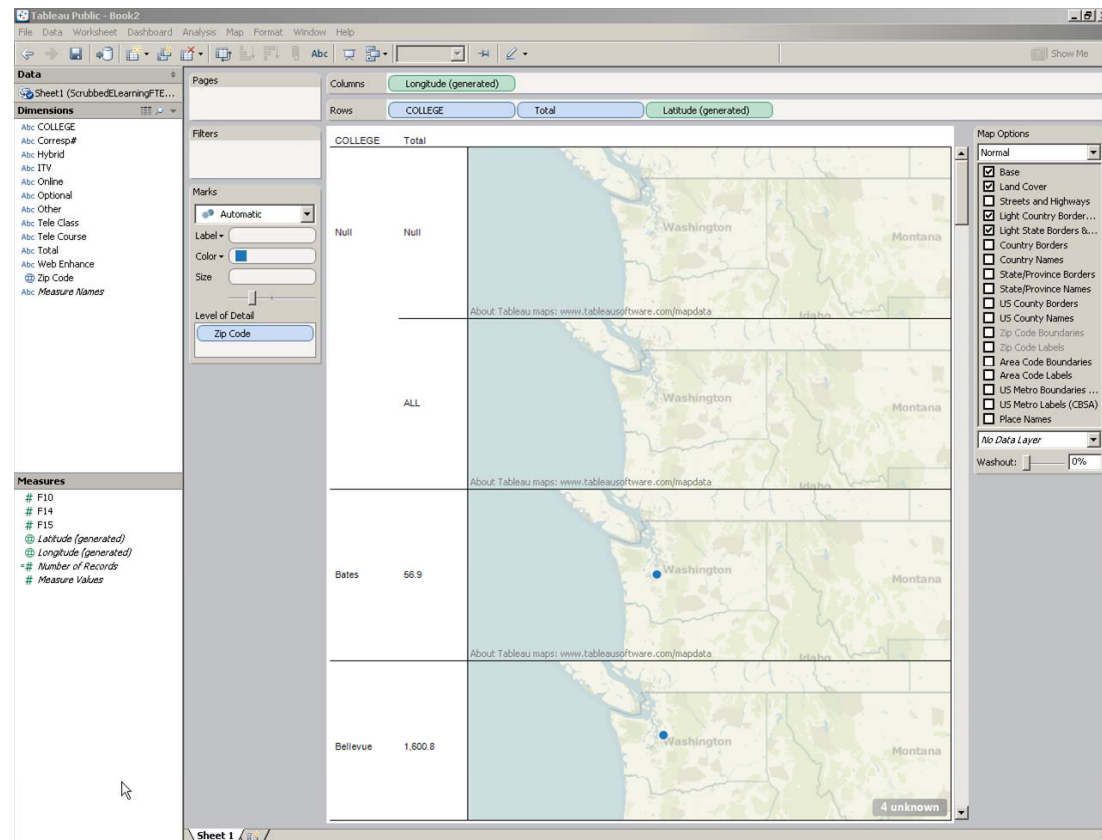
- College
- Corresponding Number
- Hybrid
- ITV
- Online
- Optional
- Other
- Tele Class
- Tele Course
- Total
- Web Enhance

# The Raw Data in .xl

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	COLLEGE	Tele Course	Corresp.	Online	ITV	Tele Class	Other		Optional	Hybrid	Web Enhance			Total
2		1	2	3	4	5	6		7	8/H	9			ALL
3	Bates	21.2	2.5	31.0	0.0	0.0	0.0		0.0	2.2	24.1			56.9
4	Bellevue	4.0	1.8	1,196.1	0.0	0.0	0.0		0.0	398.9	0.0			1,600.8
5	Bellingham	0.0	0.0	103.6	0.0	0.0	7.5		0.0	146.5	0.0			257.6
6	Big Bend	0.0	0.0	122.8	0.8	0.0	0.0		0.0	5.9	146.0			129.5
7	Cascadia	0.0	3.3	173.4	0.0	0.0	0.0		0.0	31.9	382.0			208.6
8	Centralia	0.0	0.2	168.1	13.2	0.0	0.0		0.0	83.7	324.3			265.2
9	Clark	20.7	0.0	459.4	0.0	0.0	0.0		0.0	110.4	1,684.5			590.5
10	Clover Park	0.0	0.0	202.6	0.0	0.0	0.0		0.0	216.0	126.2			418.7
11	Columbia Basin	0.0	0.0	402.4	0.0	0.0	0.0		0.0	43.3	1,187.5			445.7
12	Edmonds	2.8	0.0	878.3	0.0	0.0	0.0		0.0	527.2	0.0			1,408.3
13	Everett	6.6	0.0	592.1	0.0	0.0	0.0		0.0	450.0	784.8			1,048.6
14	Grays Harbor	0.0	0.0	188.9	34.6	8.9	0.0		0.0	71.0	75.3			303.4
15	Green River	10.7	0.0	629.0	0.0	0.0	0.0		0.0	242.1	0.0			881.8
16	Highline	0.0	0.0	474.7	0.0	0.0	0.0		0.0	259.0	834.8			733.6
17	Lake Washington	0.0	0.7	103.7	0.0	0.7	0.0		0.0	77.2	867.3			182.3
18	Lower Columbia	0.0	0.0	190.0	0.0	0.0	4.0		0.0	108.2	309.1			302.2
19	Olympic	7.7	2.8	475.7	0.0	0.0	4.8		0.0	93.0	847.3			583.9
20	Peninsula	0.0	0.0	256.7	7.6	0.0	0.0		0.0	26.8	417.4			291.1
21	Pierce Fort Steilacoom	7.3	0.0	1,032.6	0.0	0.0	6.3		0.0	73.0	217.0			1,119.3
22	Puyallup	0.0	0.0	0.0	0.0	0.0	0.0		0.0	17.2	300.5			17.2
23	Renton	0.0	0.0	116.8	0.0	0.0	0.0		0.0	21.4	0.0			138.1
24	Seattle Central	55.0	41.1	126.8	0.0	0.0	19.4		0.0	17.7	2.5			260.1
25	Seattle North	0.0	0.0	390.8	0.0	0.0	8.5		0.0	133.0	213.7			532.2
26	Seattle South	0.0	0.0	214.5	0.0	0.0	0.0		0.0	37.1	3.0			251.6
	Seattle Vocational													

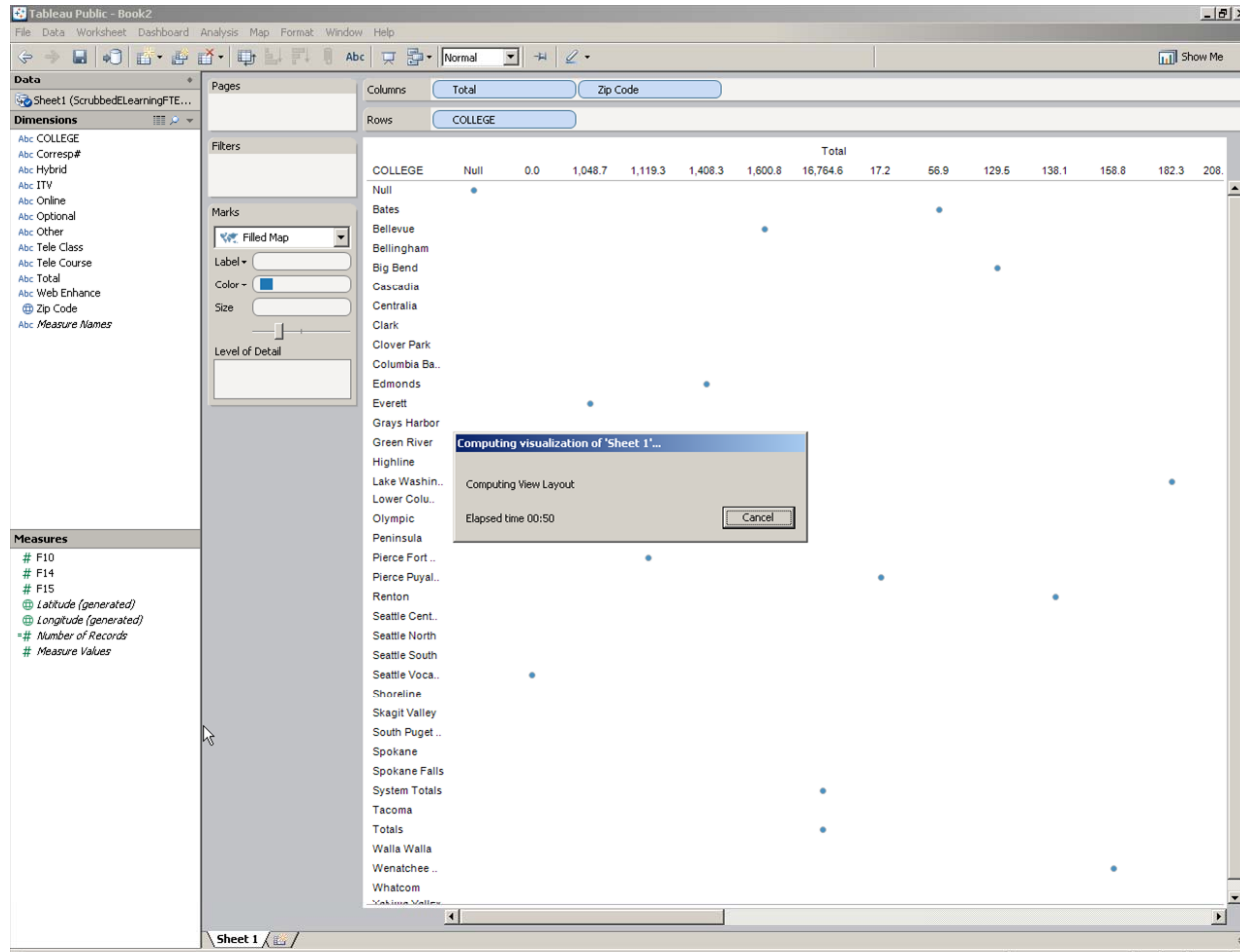
# Manually Putting in Zip Codes

- Generating latitudes and longitudes

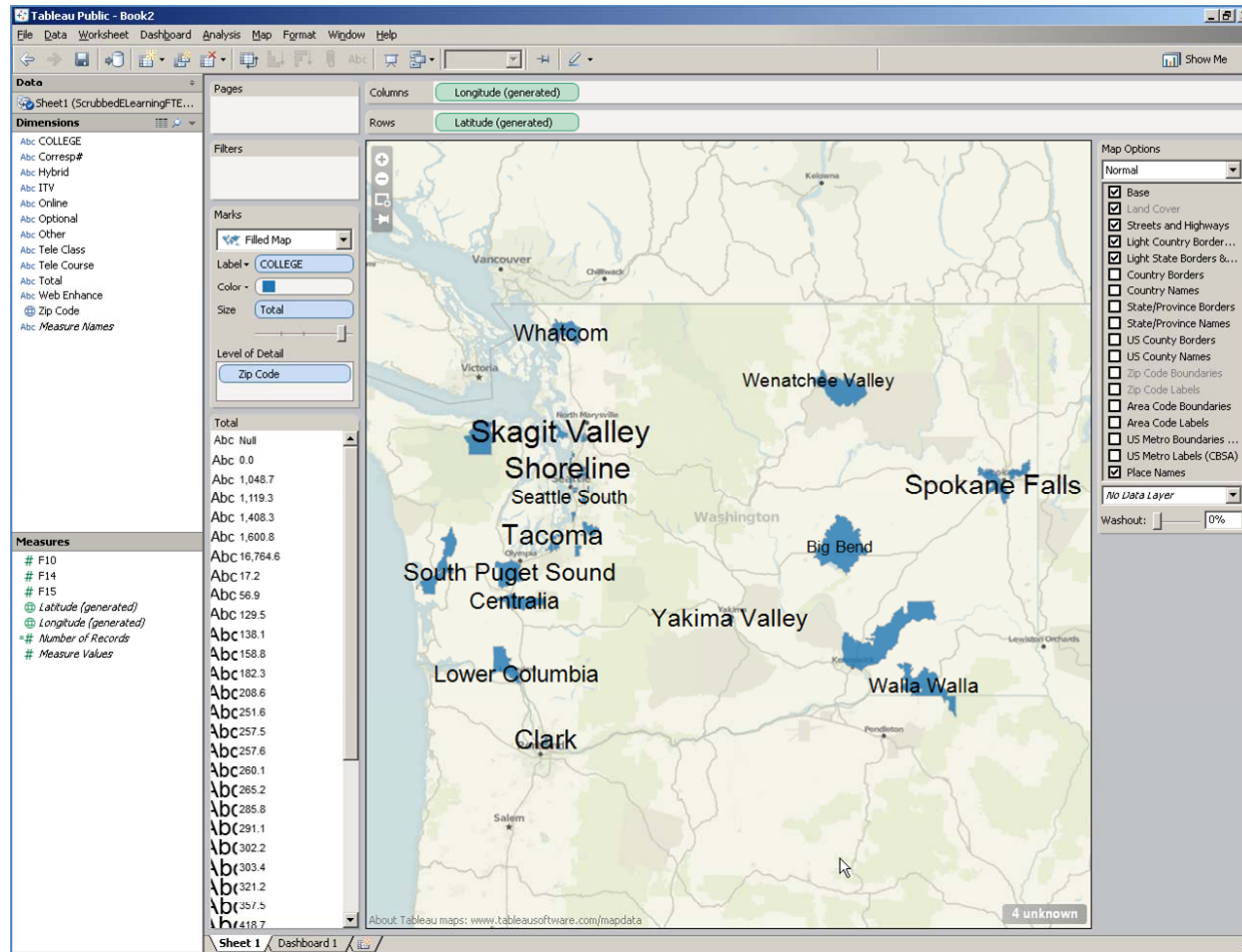




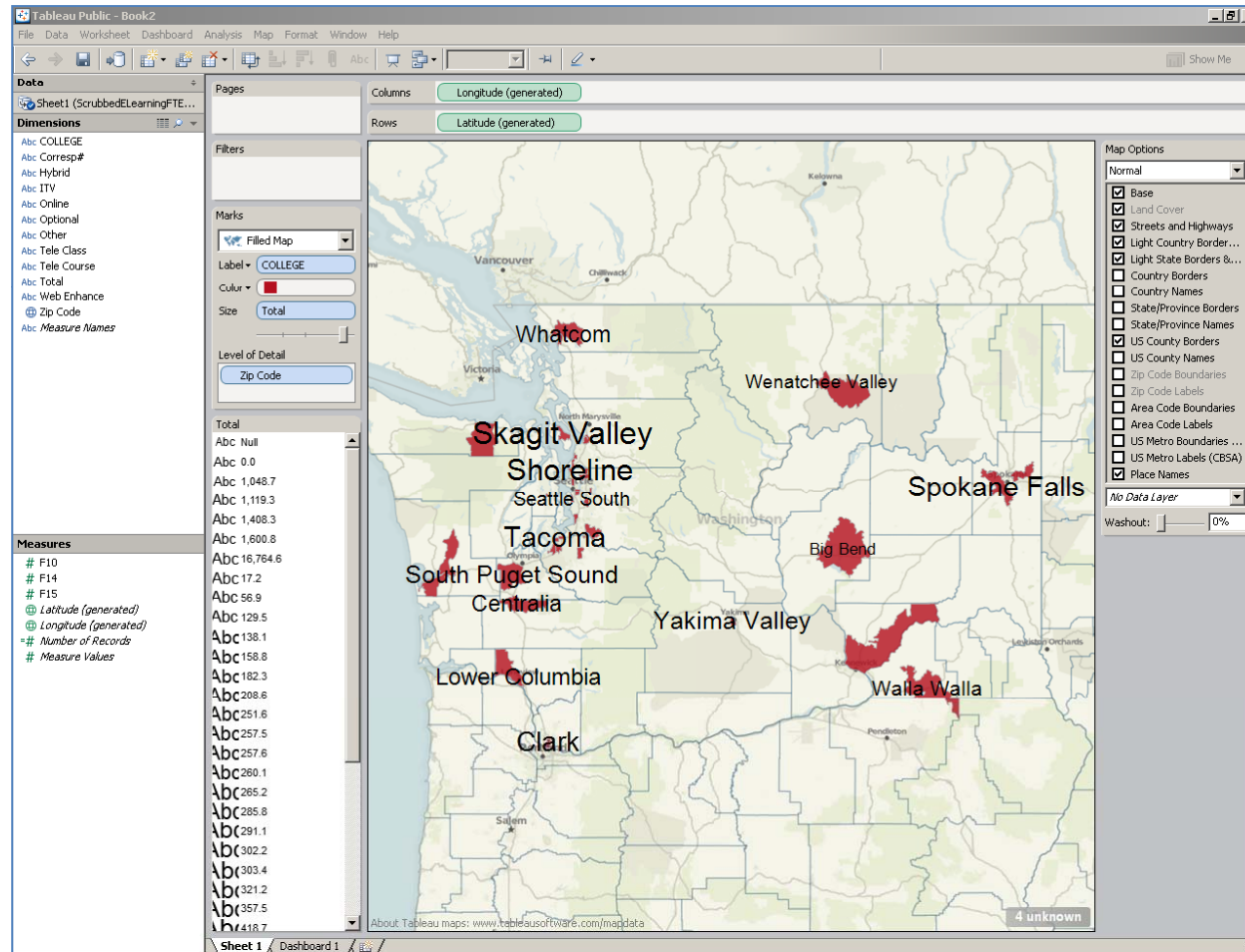
# Computing the View Layout



# An Initial Map



# Adding Map Options Details

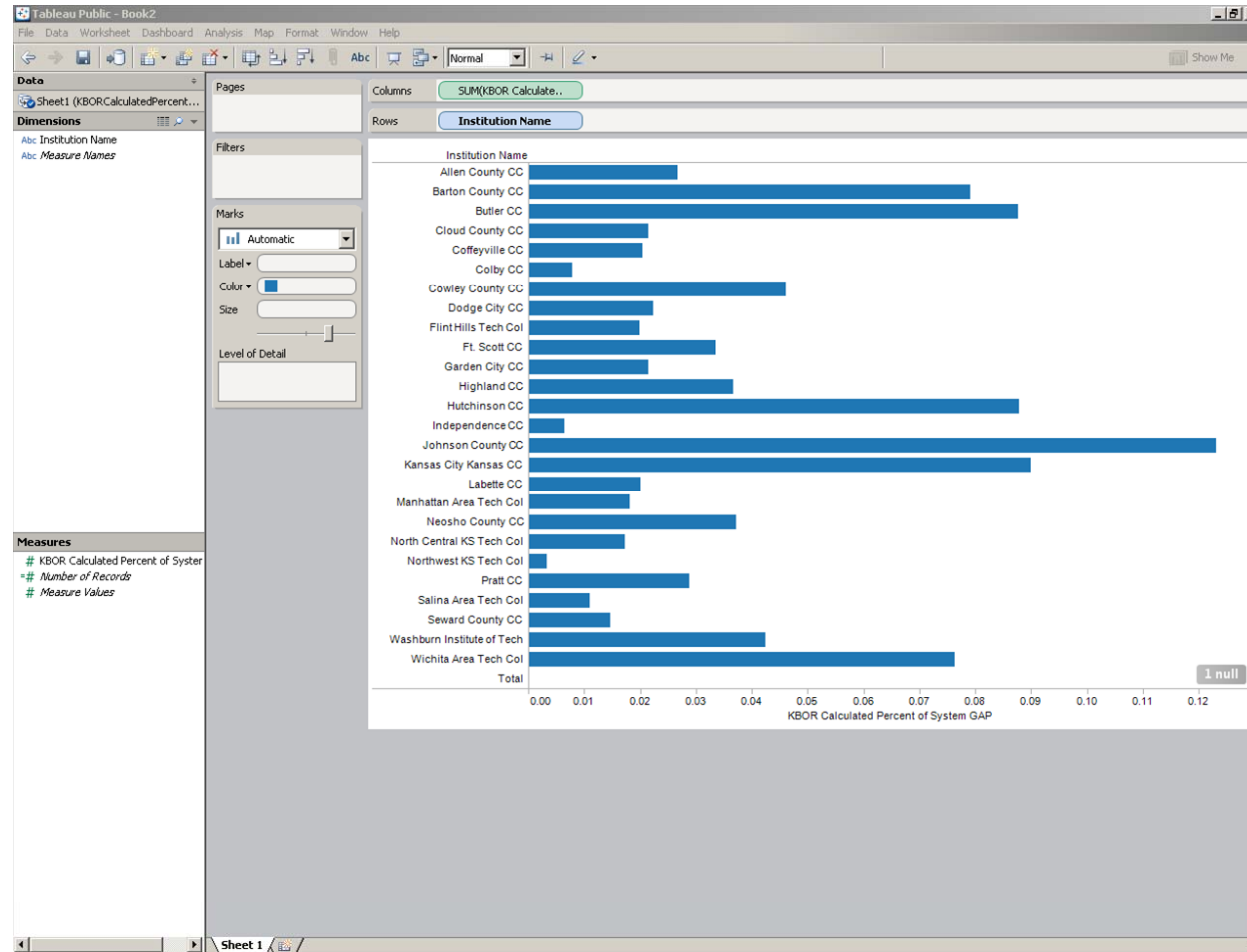


# TRY 2

# Postsecondary Tiered Technical State Aid and KBOR Calculated % of System Gap

Postsecondary Tiered Technical State Aid					
Institution Name	KBOR Calculated State Share In-District	KBOR Calculated State Share Out-District	KBOR Calculated State Share Total	State Distribution 2012	*Funding Needed to Close G
Allen County CC	\$234,392	\$2,555,699	\$2,790,091	\$984,352	\$1,805,
Barton County CC	\$1,075,996	\$6,640,062	\$7,716,058	\$2,374,813	\$5,341,
Butler CC	\$1,365,162	\$7,918,550	\$9,283,712	\$3,365,361	\$5,918,
Cloud County CC	\$277,052	\$2,308,593	\$2,585,645	\$1,136,395	\$1,449,
Coffeyville CC	\$648,362	\$1,678,771	\$2,327,133	\$948,428	\$1,378,
Colby CC	\$1,102,782	\$70,251	\$1,173,033	\$642,824	\$530,
Cowley County CC	\$967,712	\$4,153,380	\$5,121,092	\$2,012,359	\$3,108,
Dodge City CC	\$1,218,382	\$1,060,925	\$2,279,307	\$765,862	\$1,513,
Flint Hills Tech Col	\$3,111,856	\$0	\$3,111,856	\$1,769,622	\$1,342,
Ft. Scott CC	\$523,533	\$2,909,038	\$3,432,571	\$1,163,466	\$2,269,
Garden City CC	\$1,049,533	\$1,050,843	\$2,100,376	\$656,874	\$1,443,
Highland CC	\$214,144	\$3,702,322	\$3,916,466	\$1,437,384	\$2,479,
Hutchinson CC	\$2,444,964	\$6,204,020	\$8,648,984	\$2,726,343	\$5,922,
Independence CC	\$437,678	\$588,090	\$1,025,768	\$585,507	\$440,
Johnson County CC	\$9,206,454	\$4,123,247	\$13,329,701	\$5,022,361	\$8,307,
Kansas City Kansas CC	\$3,708,874	\$5,599,795	\$9,308,669	\$3,241,705	\$6,066,
Labette CC	\$707,481	\$1,499,739	\$2,207,220	\$853,646	\$1,353,
Manhattan Area Tech Col	\$3,064,031	\$0	\$3,064,031	\$1,840,887	\$1,223,
Neosho County CC	\$494,804	\$3,005,776	\$3,500,580	\$990,840	\$2,509,
North Central KS Tech Col	\$3,888,780	\$0	\$3,888,780	\$2,717,990	\$1,170,
Northwest KS Tech Col	\$2,298,632	\$0	\$2,298,632	\$2,075,699	\$222,
Pratt CC	\$333,826	\$2,515,274	\$2,849,100	\$904,944	\$1,944,
Salina Area Tech Col	\$2,398,234	\$0	\$2,398,234	\$1,657,653	\$740,
Seward County CC	\$817,702	\$1,081,533	\$1,899,235	\$908,133	\$991,
Washburn Institute of Tech	\$5,004,279	\$0	\$5,004,279	\$2,136,076	\$2,868,
Wichita Area Tech Col	\$9,012,217	\$0	\$9,012,217	\$3,859,958	\$5,152,
<b>Total</b>					<b>\$67,493,</b>
*Funding Needed to Close GAP = KBOR Calculated State Share Total minus State Distribution					
**Court order (December 16, 2011) adjusted the FY 2012 base funding for FY 2012 only for certain colleges which differs from actual amount received by their college.					

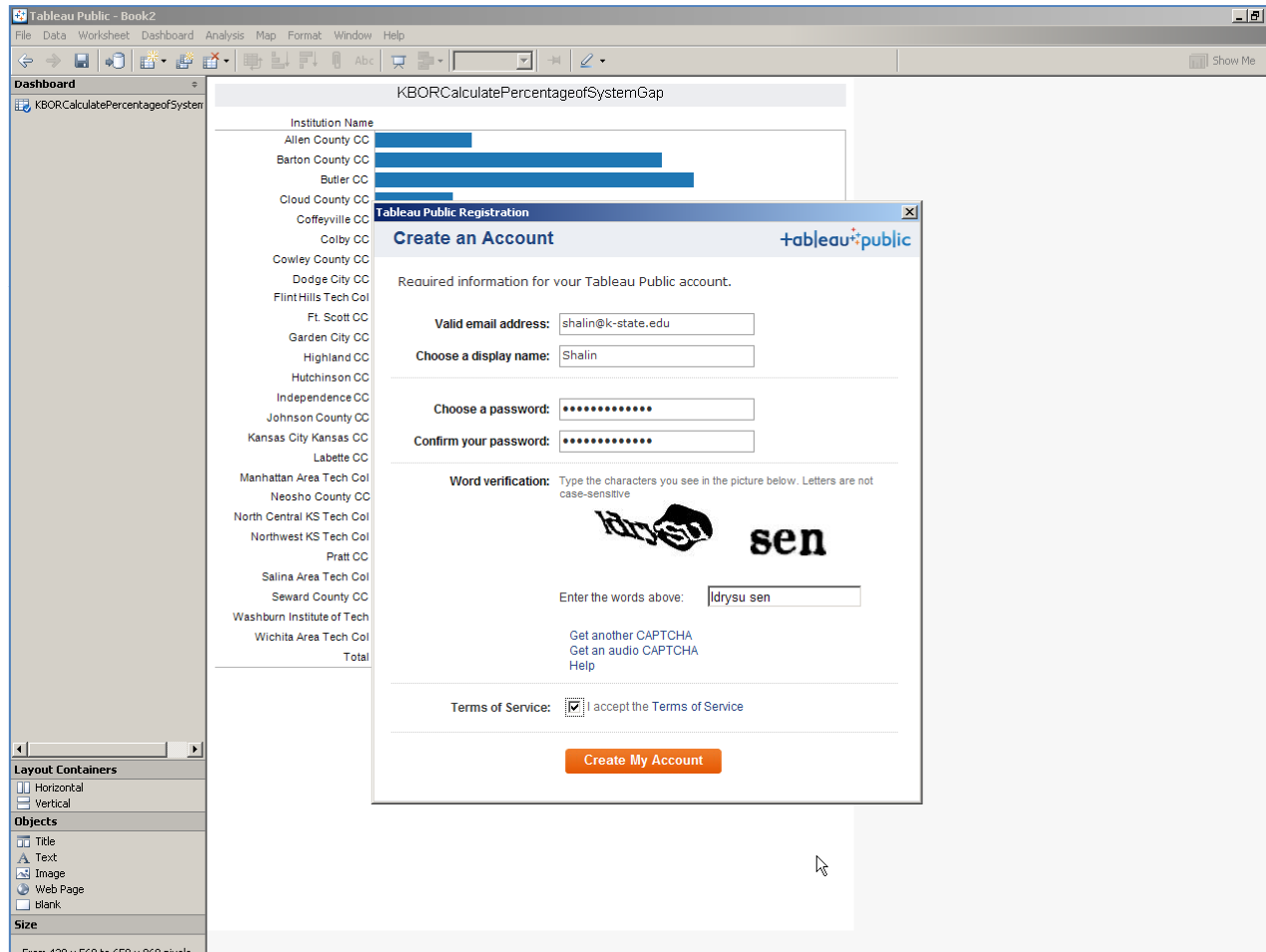
# Simplified Data to College and Gap



# Putting the Worksheet in a Dashboard

- Drag and drop
- May combine multiple data sets and views
- Need clear labeling for clarity

# Creating an Account (to Save to the Web)



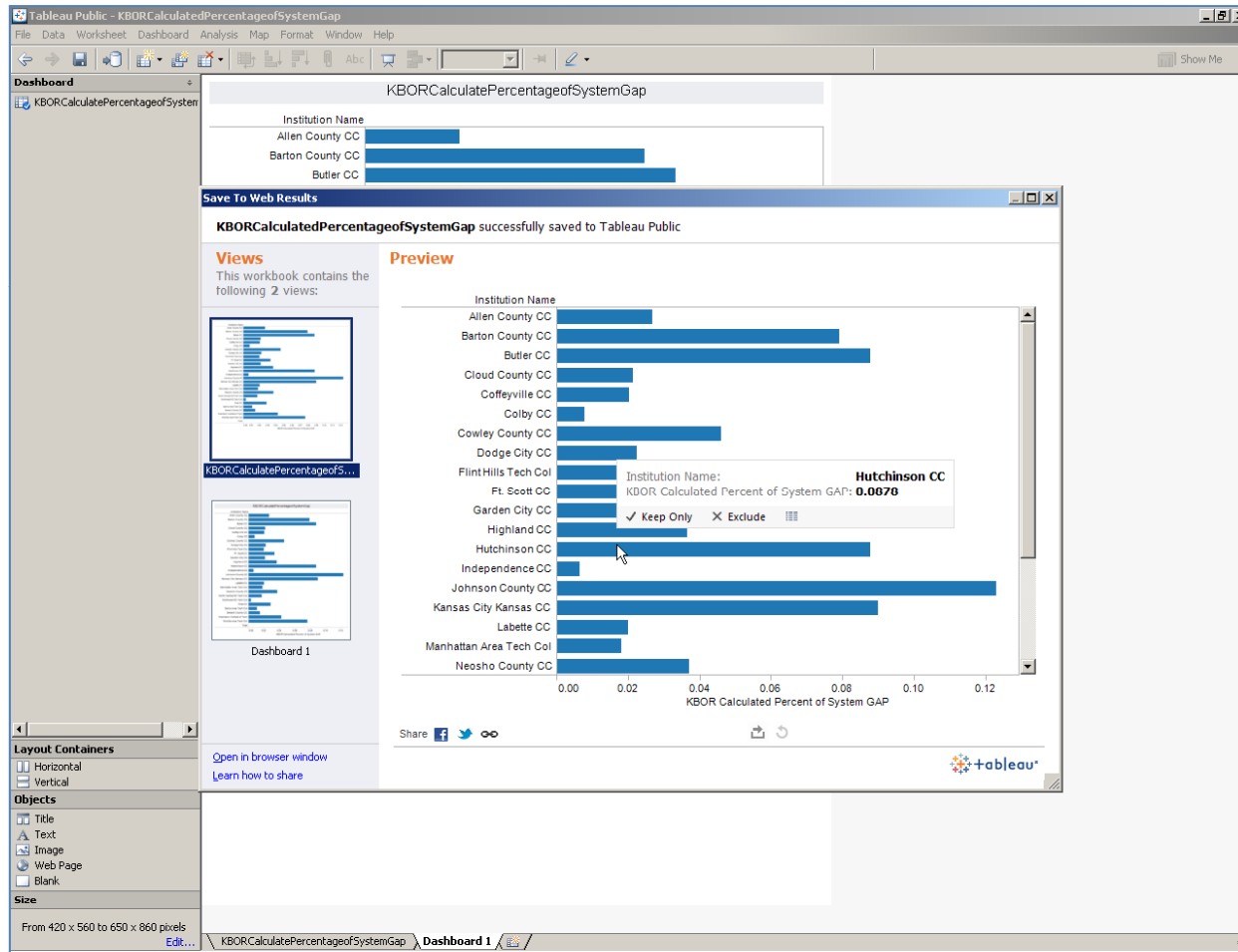


# Preview

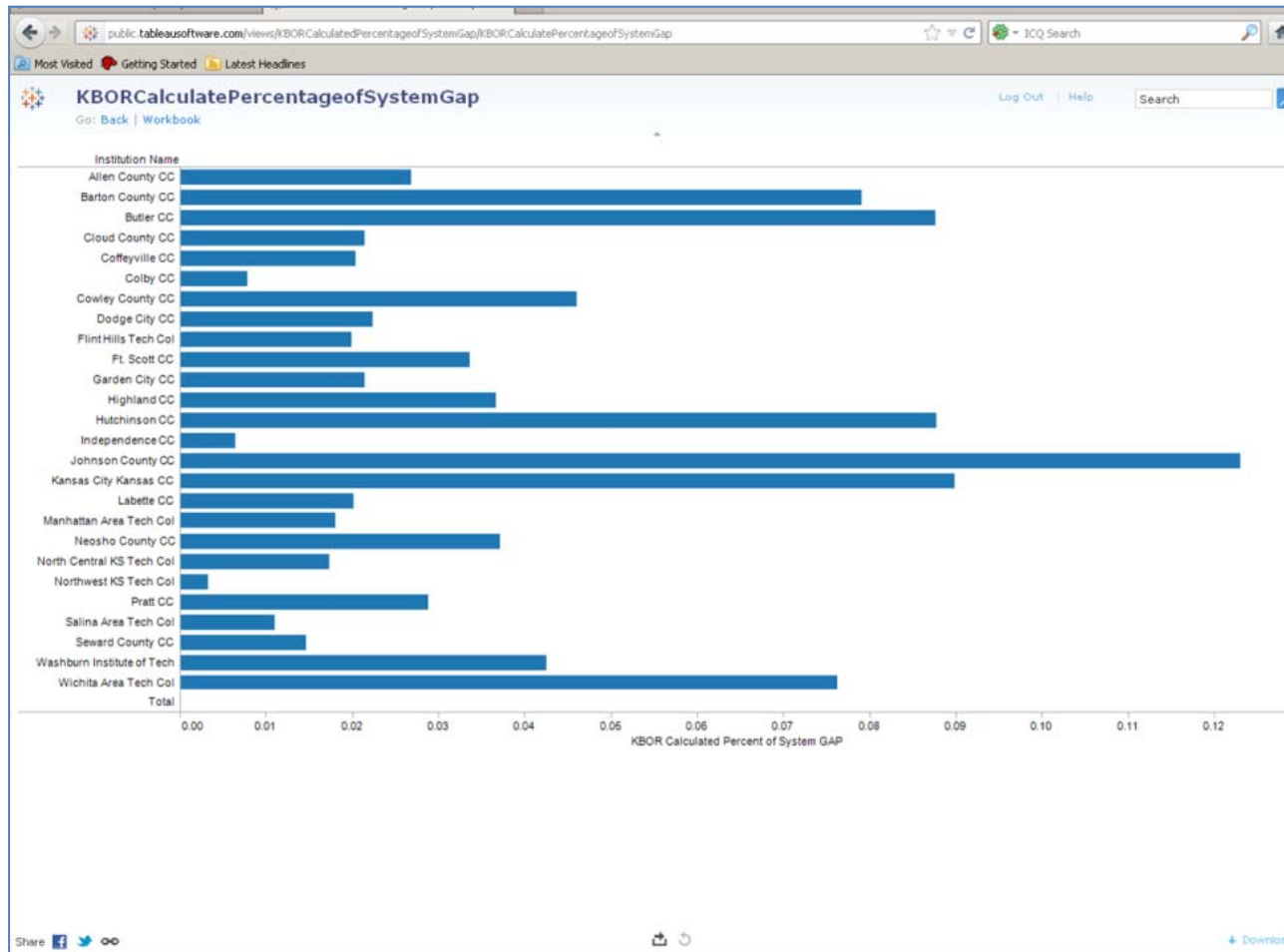
The screenshot displays the Tableau Public interface for a dashboard titled "KBORCalculatePercentageofSystemGap". The main view is a horizontal bar chart showing the "KBOR Calculated Percent of System GAP" for various institutions. The institutions listed include Allen County CC, Barton County CC, Butler CC, Cloud County CC, Coffeyville CC, Colby CC, Cowley County CC, Dodge City CC, Flint Hills Tech Col, Ft. Scott CC, Garden City CC, Highland CC, Hutchinson CC, Independence CC, Johnson County CC, Kansas City Kansas CC, Labette CC, Manhattan Area Tech Col, Neosho County CC, North Central KS Tech Col, Northwest KS Tech Col, Pratt CC, and Salina Area Tech Col. A tooltip is visible over the Highland CC bar, displaying "Institution Name: Highland CC" and "KBOR Calculated Percent of System GAP: 0.0367". The interface also shows a "Save To Web Results" dialog box indicating the dashboard was successfully saved to Tableau Public. The left sidebar contains "Views" (Dashboard 1), "Layout Containers" (Horizontal, Vertical), and "Objects" (Title, Text, Image, Web Page, Blank). The bottom status bar shows the dashboard name and "Dashboard 1".

Institution Name	KBOR Calculated Percent of System GAP
Allen County CC	0.0367
Barton County CC	0.0367
Butler CC	0.0367
Cloud County CC	0.0367
Coffeyville CC	0.0367
Colby CC	0.0367
Cowley County CC	0.0367
Dodge City CC	0.0367
Flint Hills Tech Col	0.0367
Ft. Scott CC	0.0367
Garden City CC	0.0367
Highland CC	0.0367
Hutchinson CC	0.0367
Independence CC	0.0367
Johnson County CC	0.0367
Kansas City Kansas CC	0.0367
Labette CC	0.0367
Manhattan Area Tech Col	0.0367
Neosho County CC	0.0367
North Central KS Tech Col	0.0367
Northwest KS Tech Col	0.0367
Pratt CC	0.0367
Salina Area Tech Col	0.0367

# A Simplified View



# Publicly Available and Opened in Browser Window



Creating a Data Visualization  
Using Tableau Public