

# **GENERAL ASSEMBLY**





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Advanced Analytics Data Analyst, Costco Data Analytics Course Instructor, General Assembly

Since 2001 I have worked from Data warehousing to Data science always finding ways to enable the business to have a competitive edge. Today I work at building advanced analytic teams within the business.

# REVIEW DATA VIZ BASICS BRIEF LOOK AT STATS AND VIZ SKETCH AND WIREFRAME WORKSHOPS TABLEAU WALKTHROUGH



1	8	3	2	4	3	1	1	8	7	5	0	3
6	4	7	5	7	8	1	6	6	0	4	7	8
8	0	4	1	5	3	2	8	4	3	3	9	1
5	3	6	4	9	6	2	5	2	5	2	1	4
6	5	3	2	1	1	2	6	2	7	1	3	2
4	9	6	5	5	7	4	4	6	2	8	4	3
1	2	1	2	6	8	4	1	9	4	0	3	5
6	5	9	1	5	4	5	6	3	6	2	5	7
7	8	6	8	3	6	5	7	1	0	3	3	1
2	6	3	4	8	7	5	2	2	1	6	6	2
1	3	6	5	7	8	6	1	4	3	8	7	0
3	0	1	6	9	5	6	3	0	2	6	4	4
7	8	2	7	0	8	7	7	8	6	4	0	6
4	2	5	6	7	0	7	4	1	4	6	1	8
9	0	3	7	6	2	8	9	3	3	0	8	3

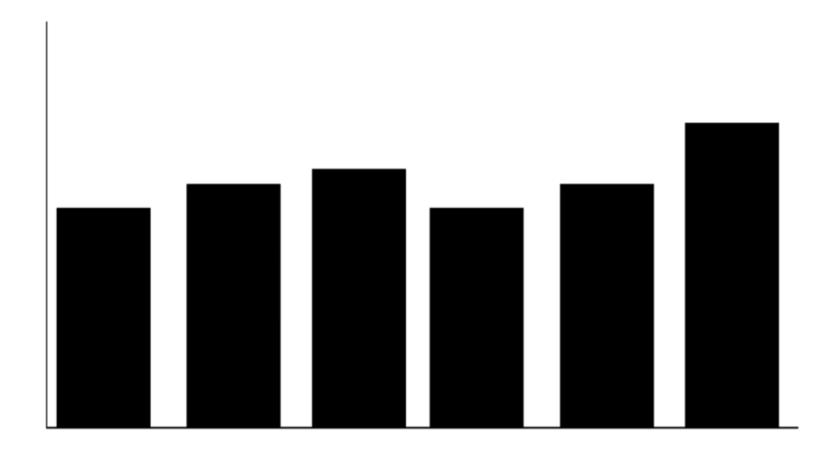
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6	4	7	5	7	8	1	6	6	0	4	7	8
8	0	4	1	5	3	2	8	4	3	3	9	1
5	3	6	4	9	6	2	5	2	5	2	1	4
6	5	3	2	1	1	2	6	2	7	1	3	2
4	9	6	5	5	7	4	4	6	2	8	4	3
1	2	1	2	6	8	4	1	9	4	0	3	5
6	5	9	1	5	4	5	6	3	6	2	5	7
7	8	6	8	3	6	5	7	1	0	3	3	1
2	6	3	4	8	7	5	2	2	1	6	6	2
1	3	6	5	7	8	6	1	4	3	8	7	0
3	0	1	6	9	5	6	3	0	2	6	4	4
7	8	2	7	0	8	7	7	8	6	4	0	6
4	2	5	6	7	0	7	4	1	4	6	1	8
9	0	3	7	6	2	8	9	3	3	0	8	3

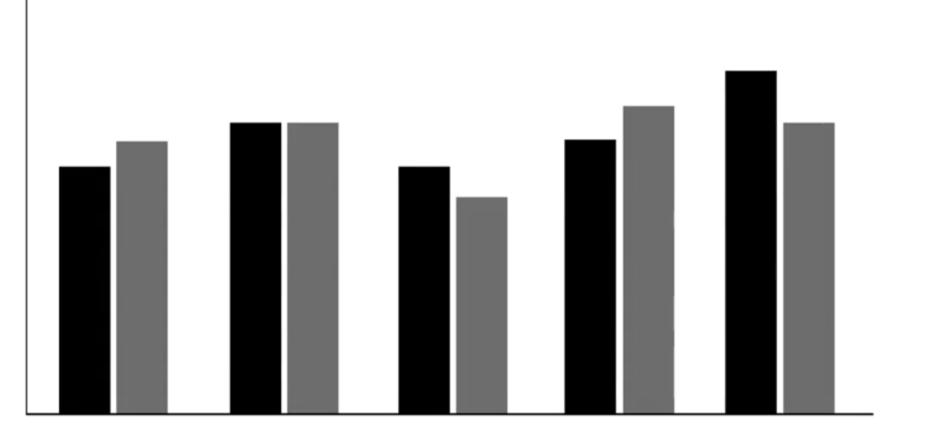
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3 3
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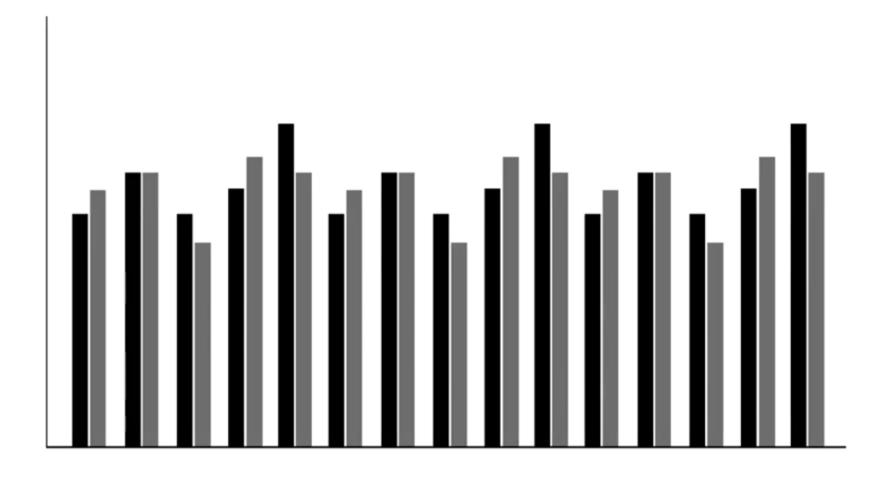
## **Basic Charts**

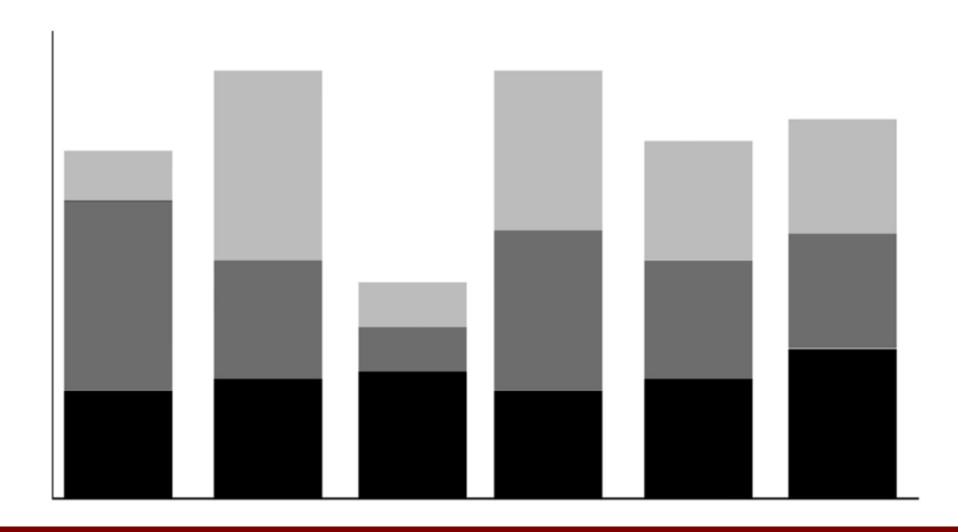
- Bar charts
- Line charts
- Area charts
- Timelines

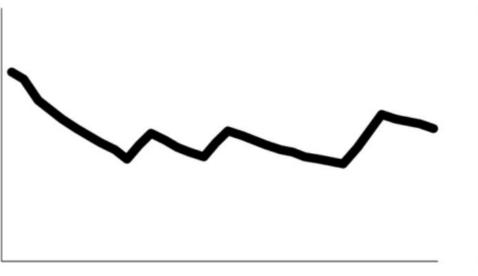
- Scatter plots
- Bubble charts
- Pie charts



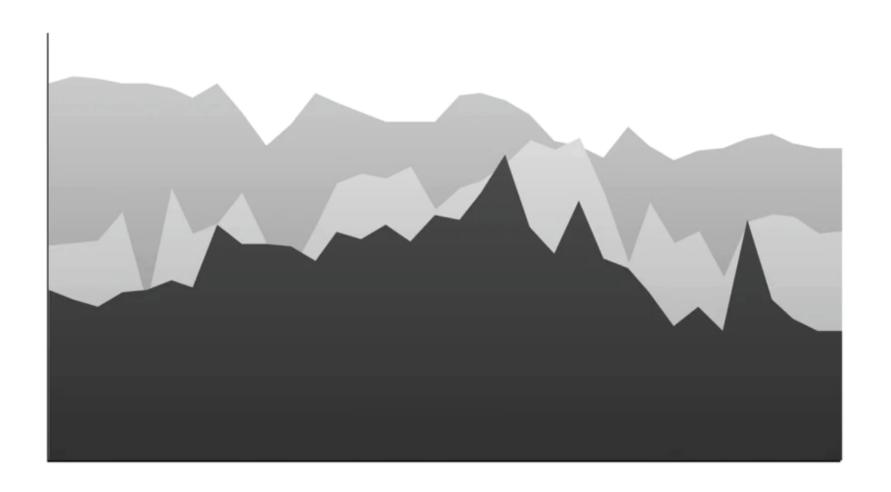


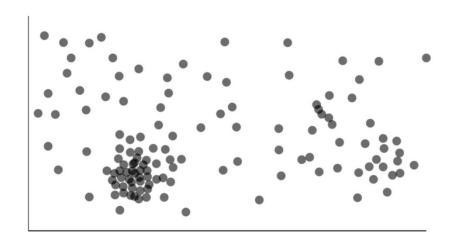


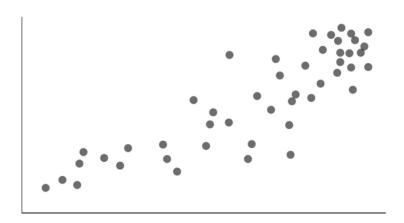


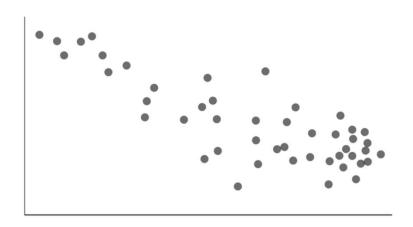


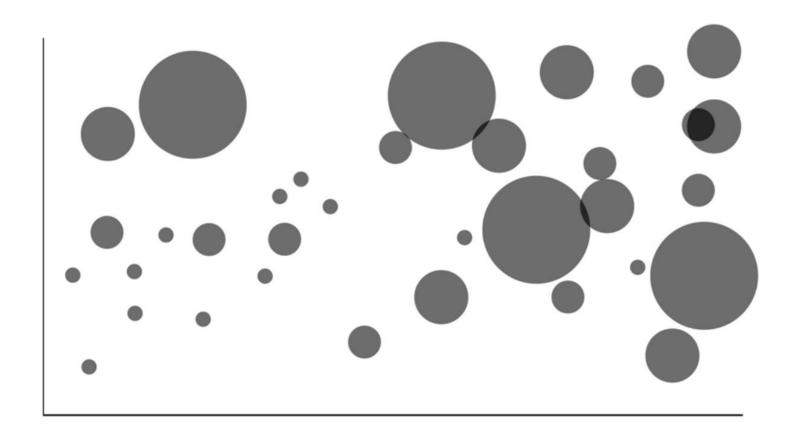


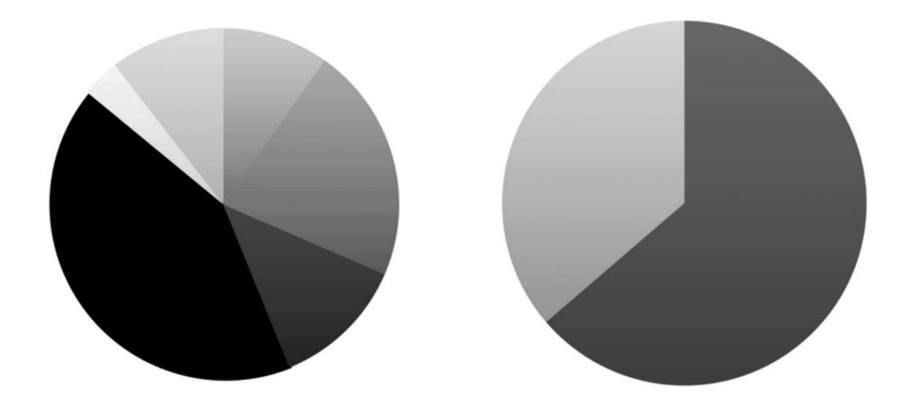


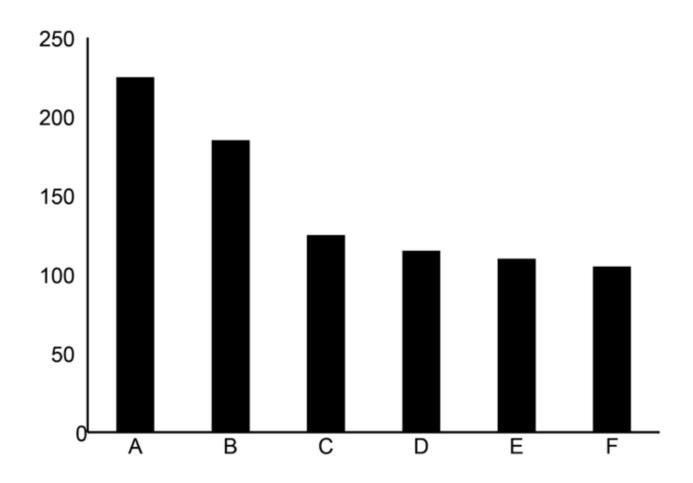




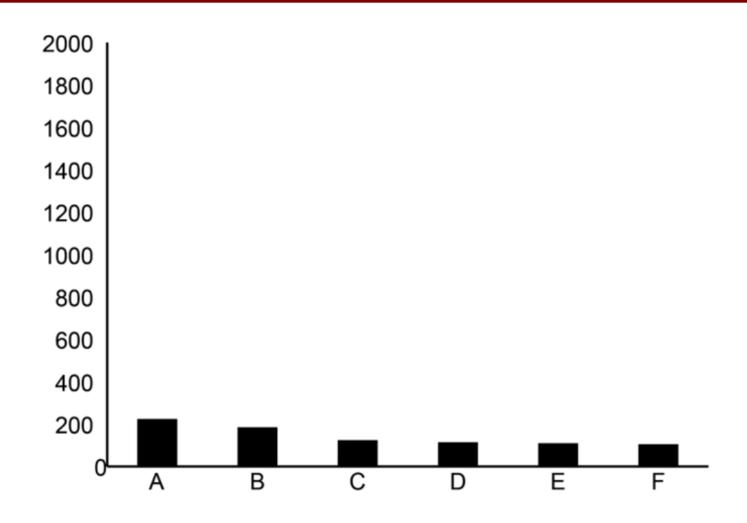




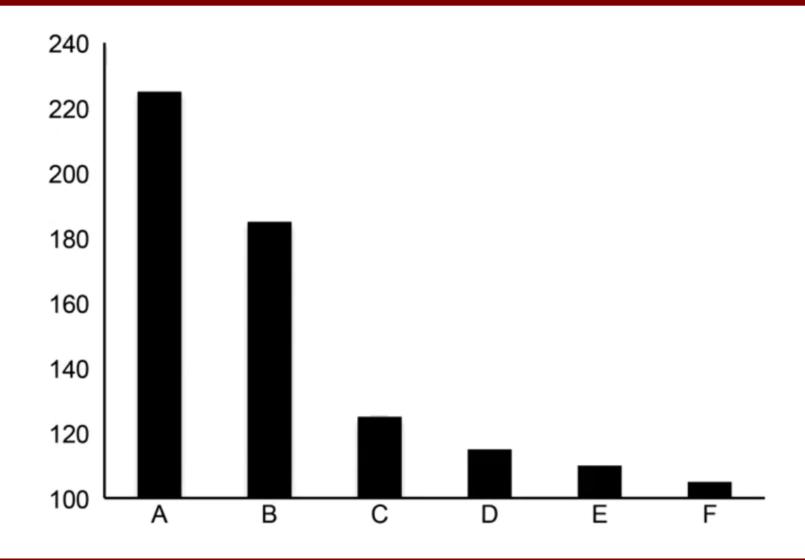


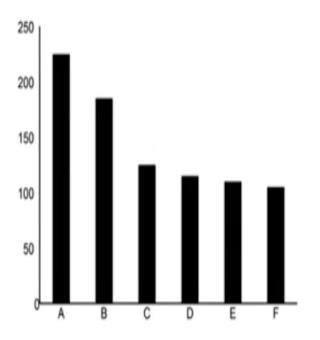


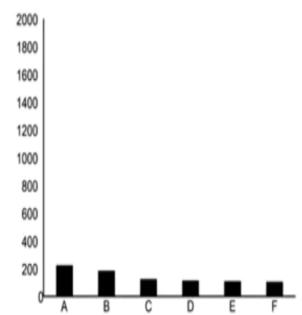
#### Lesson Material

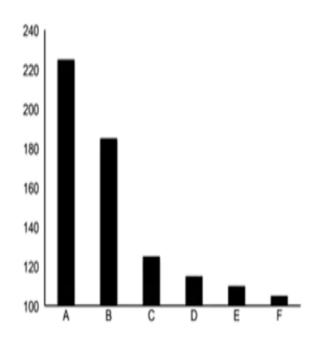


#### \_esson Material









## Overview of Course



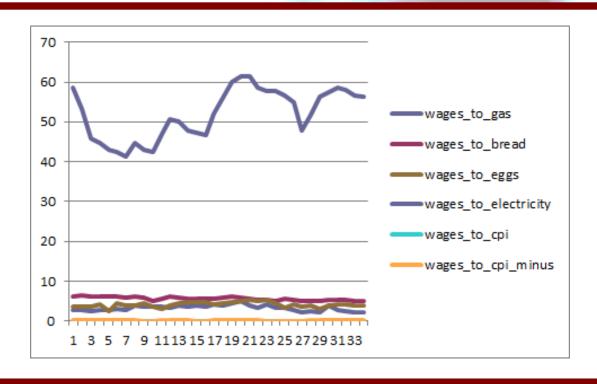
Above Average

**Below Average** 

#### ntro to Statistics



## Adding Value to Data

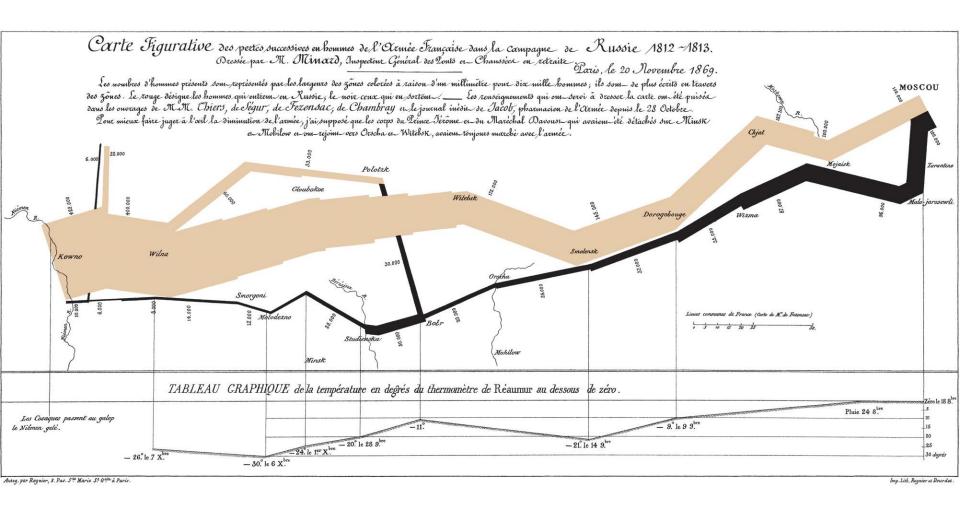


**Preparing Data** 

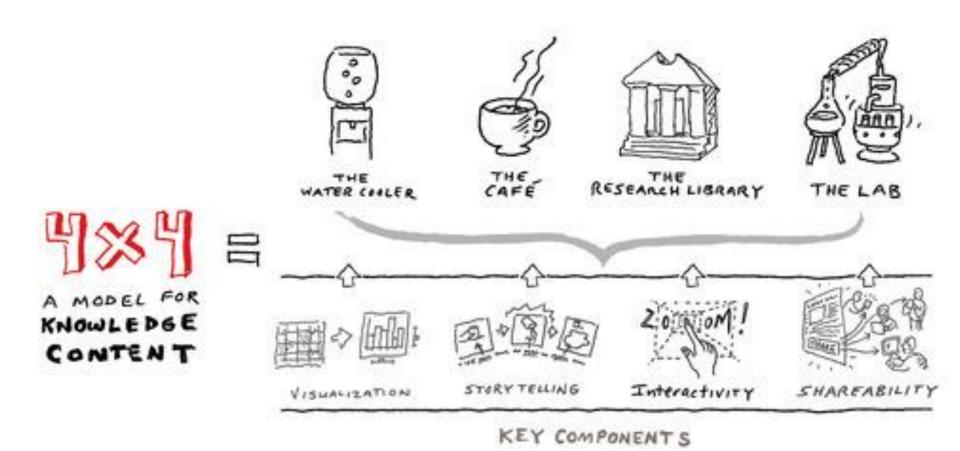
## Charts



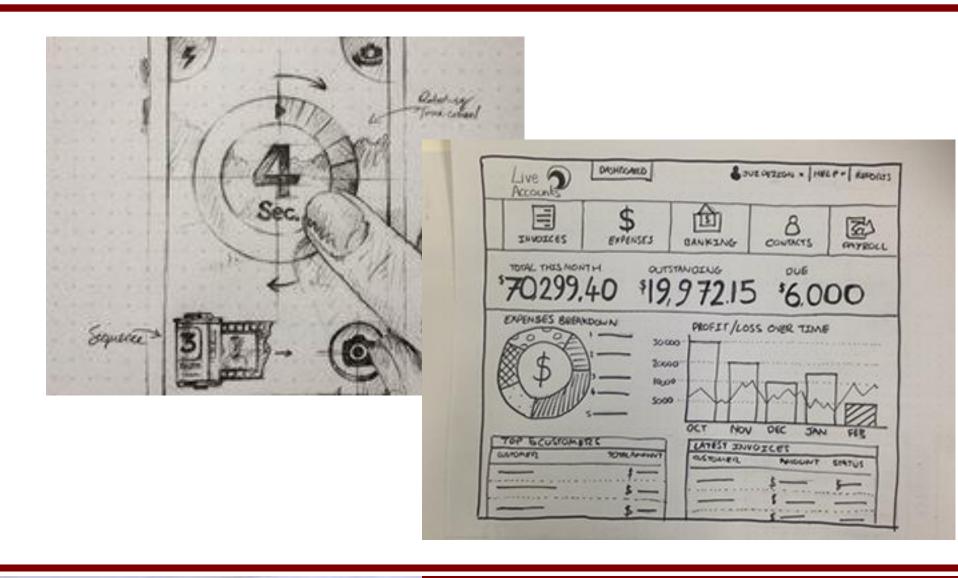
#### Charts



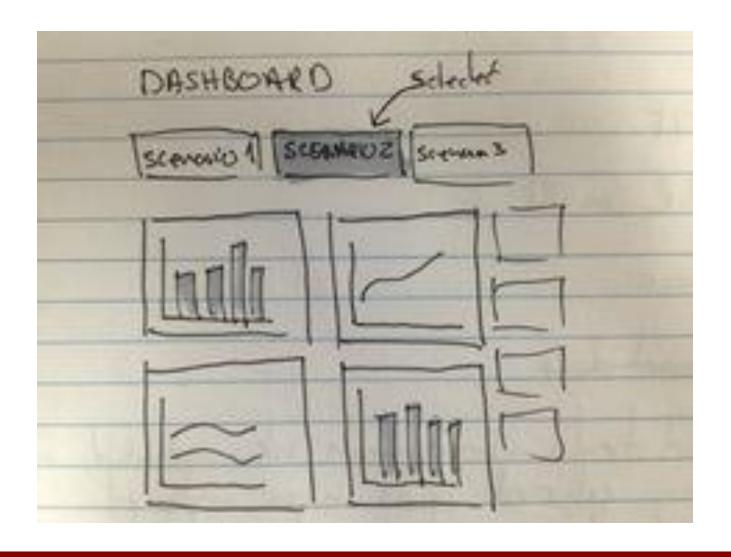
## 4x4 Model



## Sketch and Wireframing



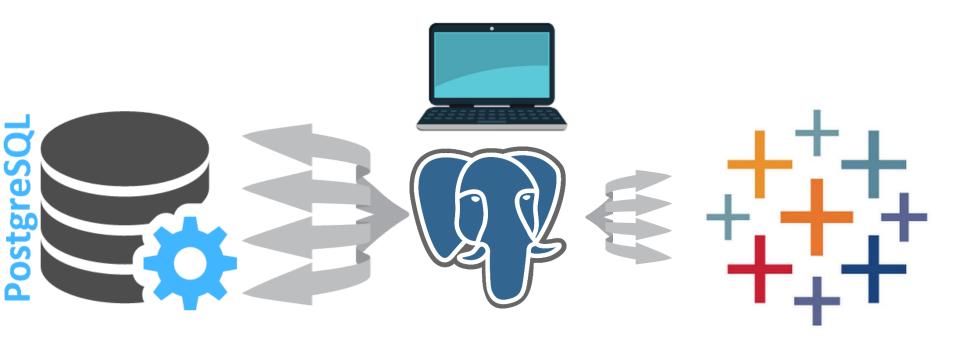
## Sketch and Wireframing



#### \_esson Material



# Tableau Project Flow



## Tableau Project Flow

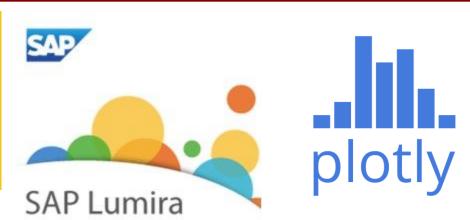
ETL process – Data prep tools



Data Viz or Consumption tools













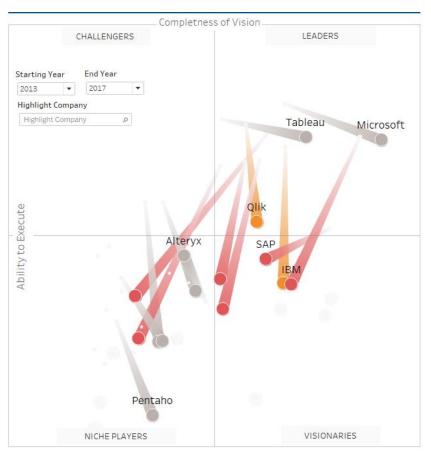


Sense



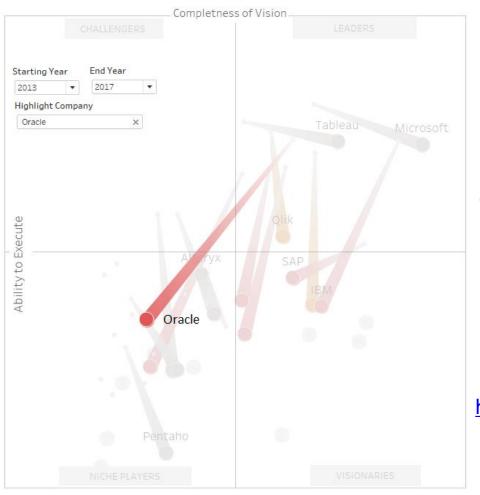






Source: Gartner (February 2017)

#### The Oracle decent into Hades





https://www.gartner.com/technology/home.jsp



## TWB & TWBX

## Conclusion

Tableau is one of many Data visualization tools.

Being familiar with story telling via visualizations is key.

Tableau is a visualization tool and not an ETL tool.

When dealing with massive amounts of data, look for ways to segment.

Data visualization has technical and creative elements.

# Q & A

Visualizations act as a campfire around which we gather to tell stories.

—Al Shalloway