

# INTRODUCTION TO TABLEAU

WHAT IS TABLEAU?  
INSTALLATION CONFIGURATION  
ON DEMAND  
CONNECTING TO SAMPLE DATA  
CONNECTING TO POSTGRES  
INTRO TO WORKFLOW  
CONNECT, FILTERING, DATA PANE

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# Previously in Data Analytics

SELECT  
FROM  
JOIN  
ON  
WHERE  
GROUP BY  
HAVING  
UNION  
SELECT ...  
ORDER BY  
LIMIT

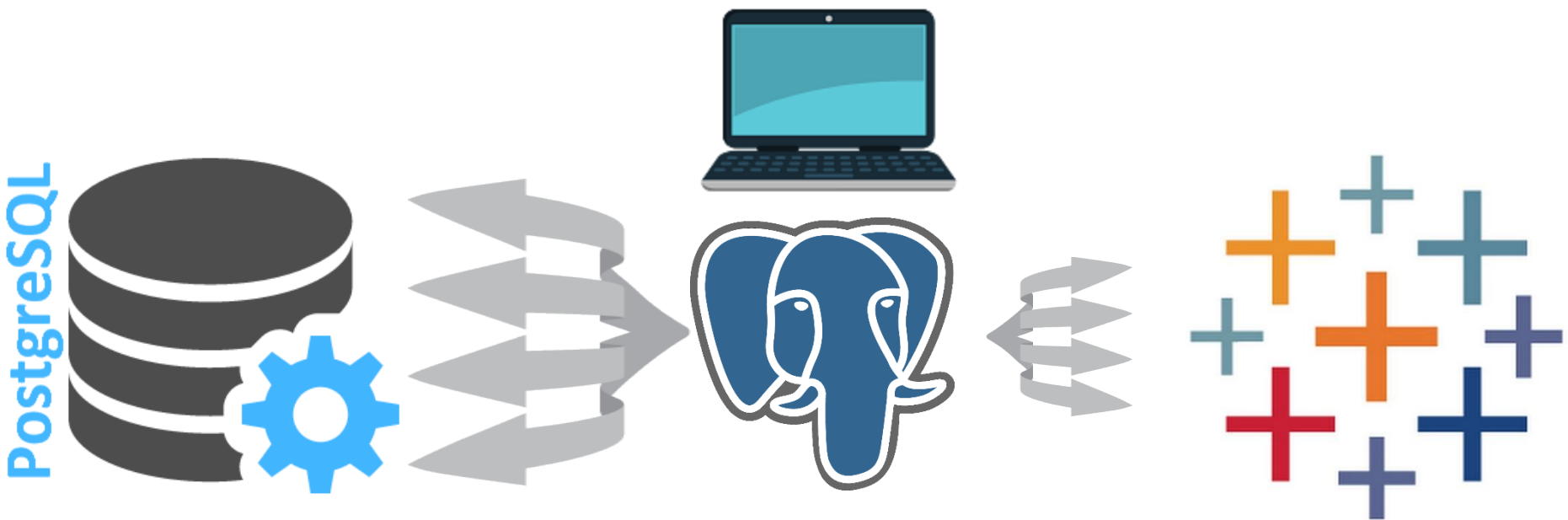
= != > <  
IS NULL, IS NOT NULL  
IN  
BETWEEN  
LIKE, NOT LIKE

FUNCTIONS  
STRING  
NUMERIC  
CAST  
OVER BY

CASE  
CTE  
INLINE VIEWS  
OVER BY



# Tableau Project Flow



# Tableau Project Flow

ETL process – Data prep tools



Data Viz or Consumption tools





# The Market



FusionCharts

Sense

Gephi

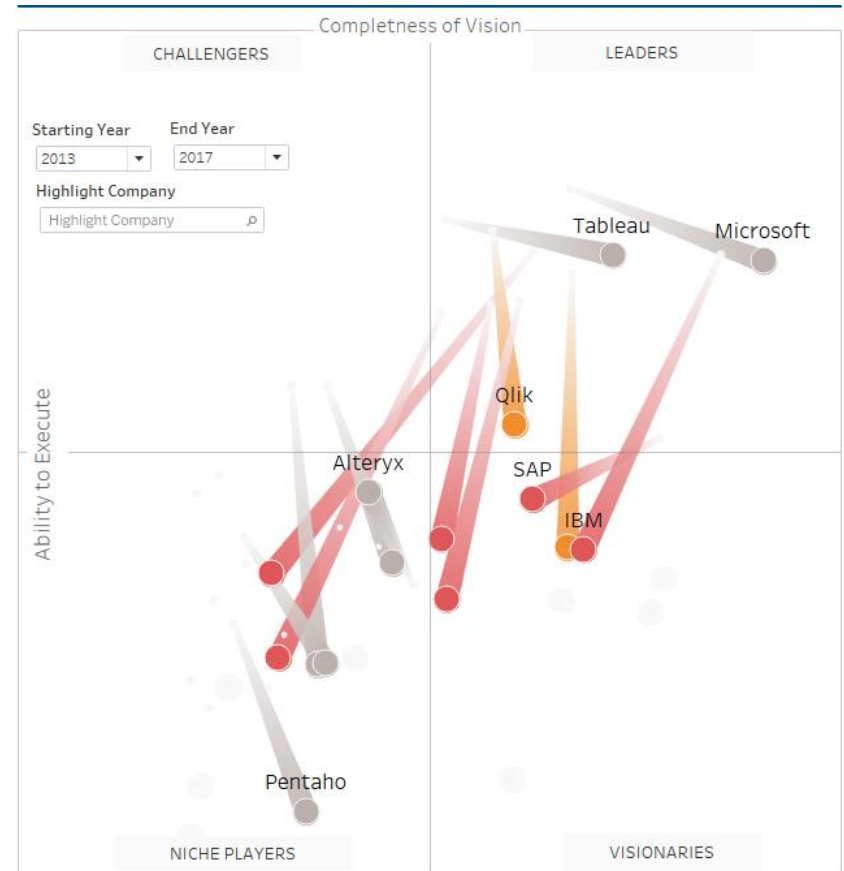
# The Market



# The Market

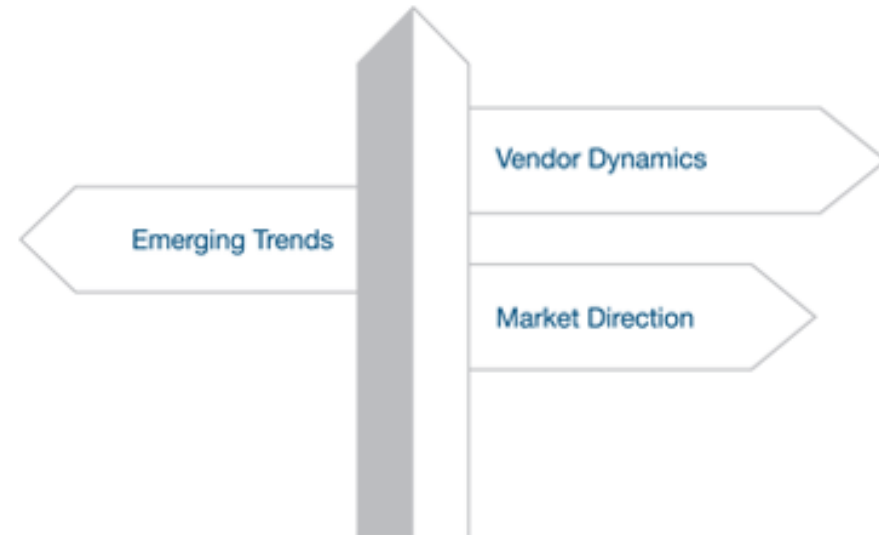
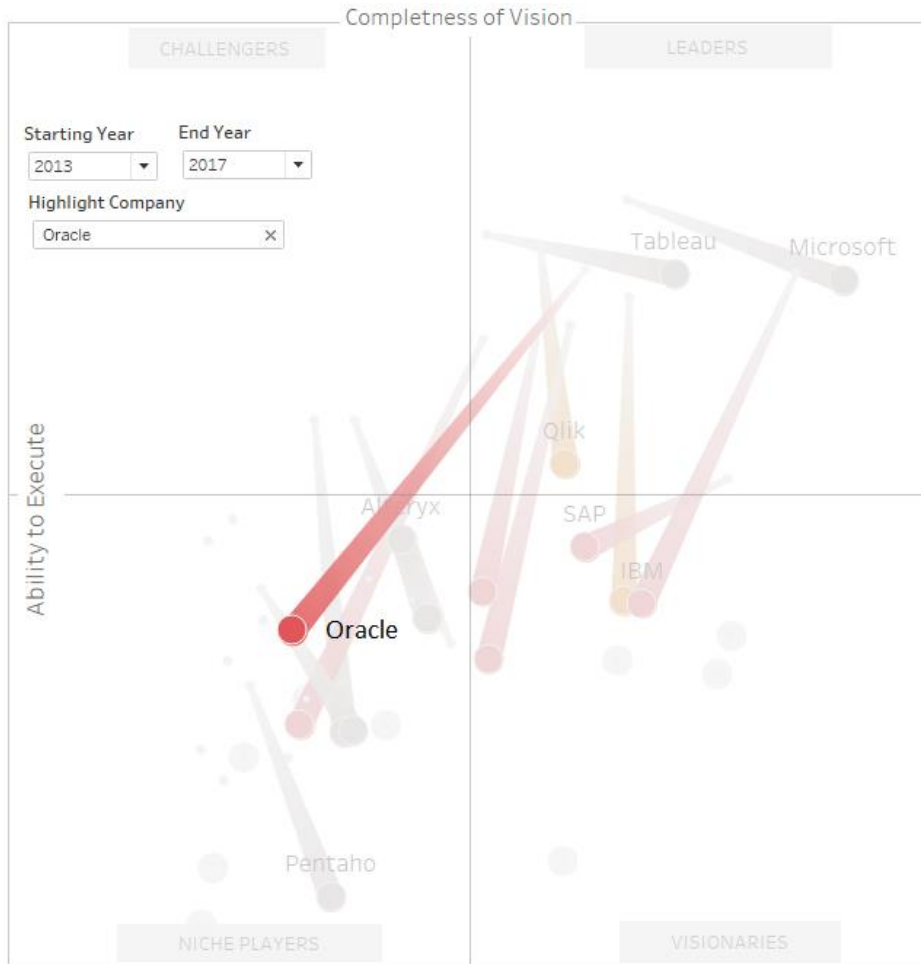


Source: Gartner (February 2017)



# The Market

## *The Oracle decent into Hades*



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



# Application Overview

## Tableau Distribution Options

### Data Sources



Connect  
↔



### Tableau Desktop

- Create/Author
- Adhoc Analysis

Distribute  
↔

### Export

- Image/Data
- Print to PDF
- Crosstab to Excel



### Tableau Reader

- Free
- Offline
- Interactive
- Packaged File



### Tableau Server

- Online
- Live connection
- Interactive
- Secure
- Zero footprint

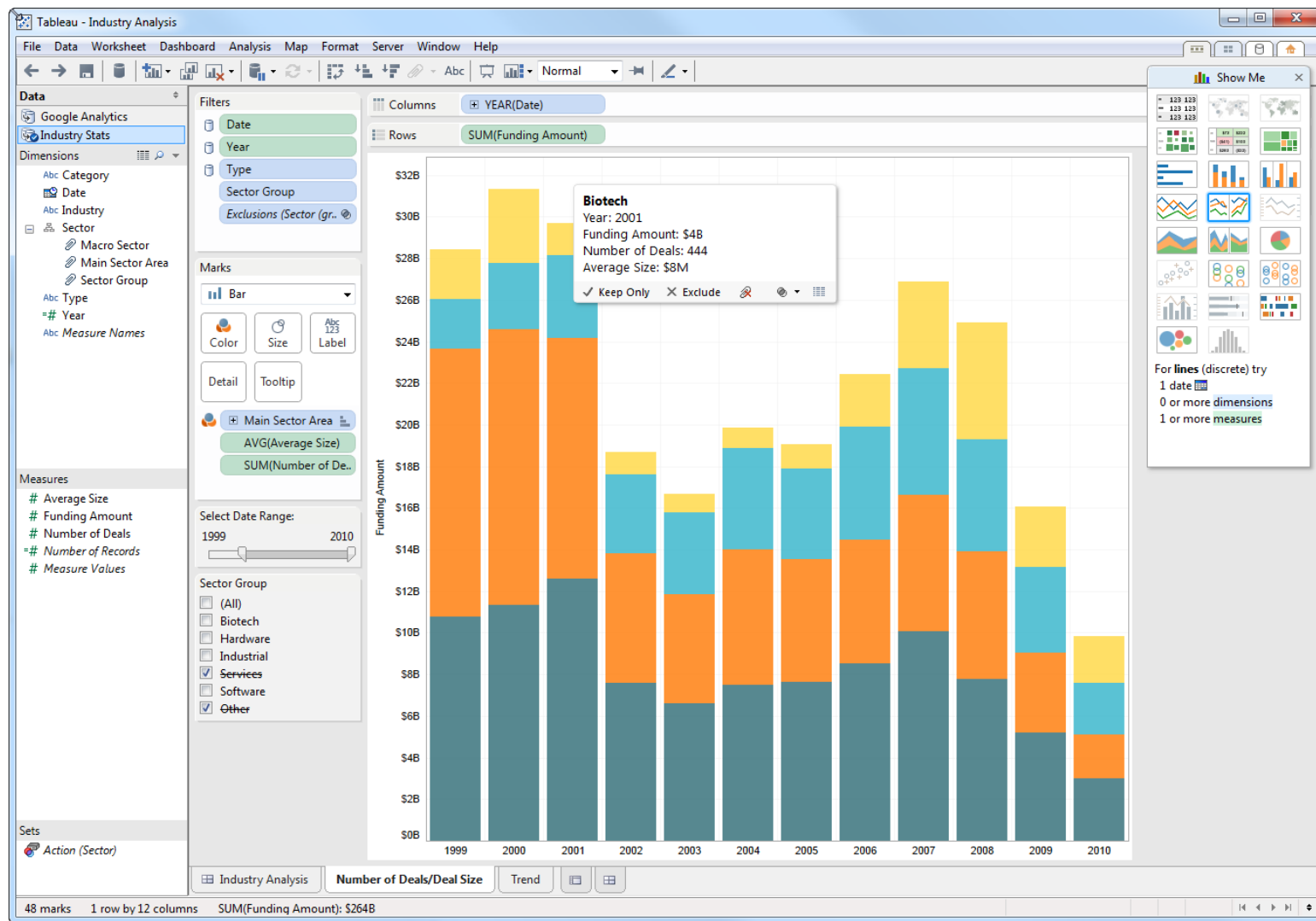


### Tableau Public

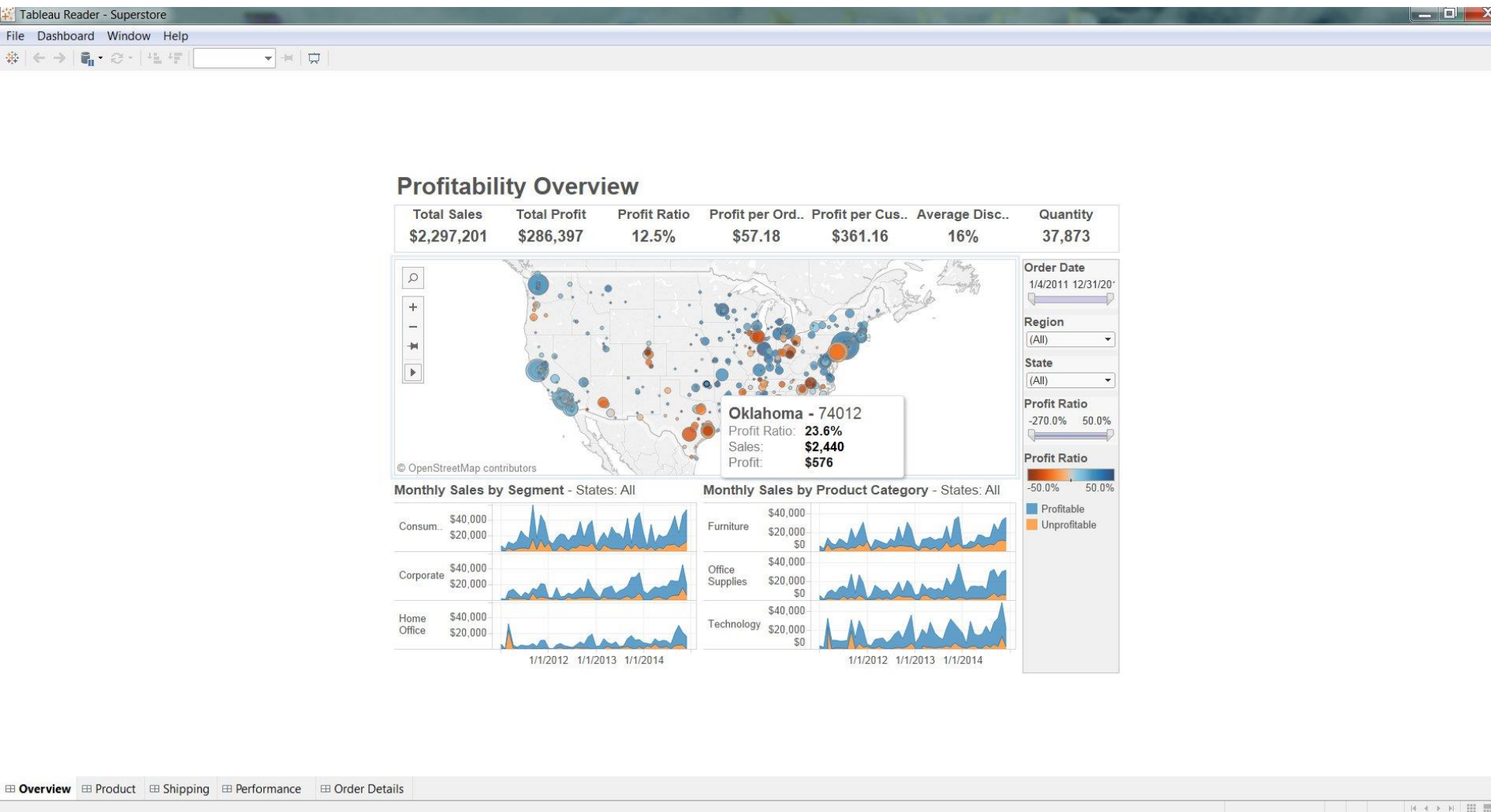
- Free
- Online
- Interactive
- Public



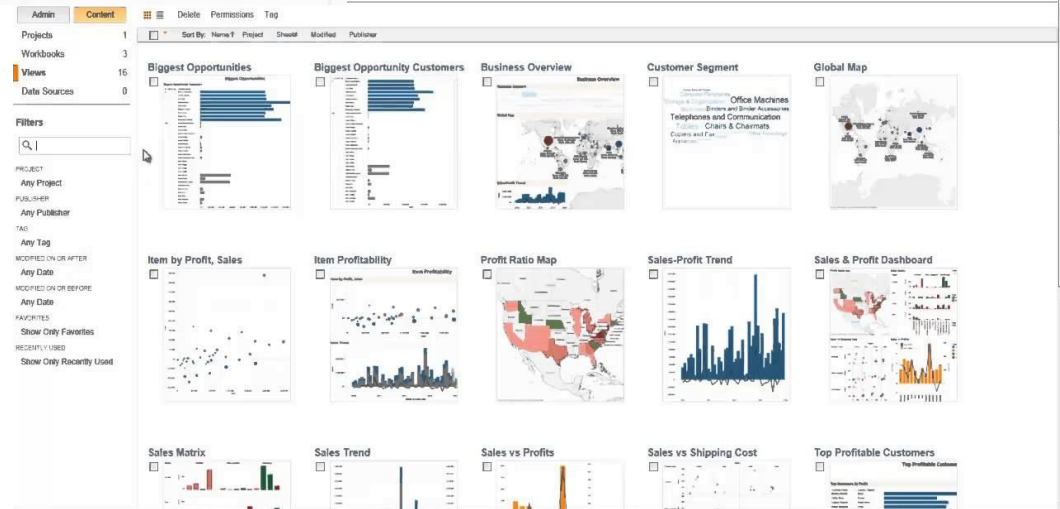
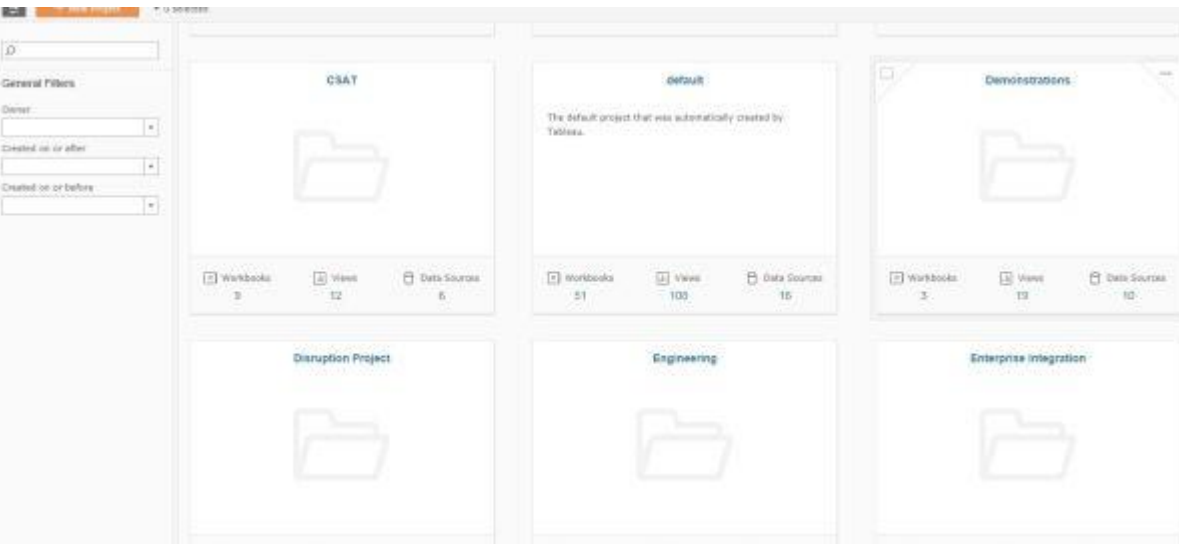
# Application Overview



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## *Tableau release*

- 1.0      Version release < 365
- 1.1      Feature release < 90 days
- 1.1.1    Maintenance or bug fix release <30 days

# Application Overview

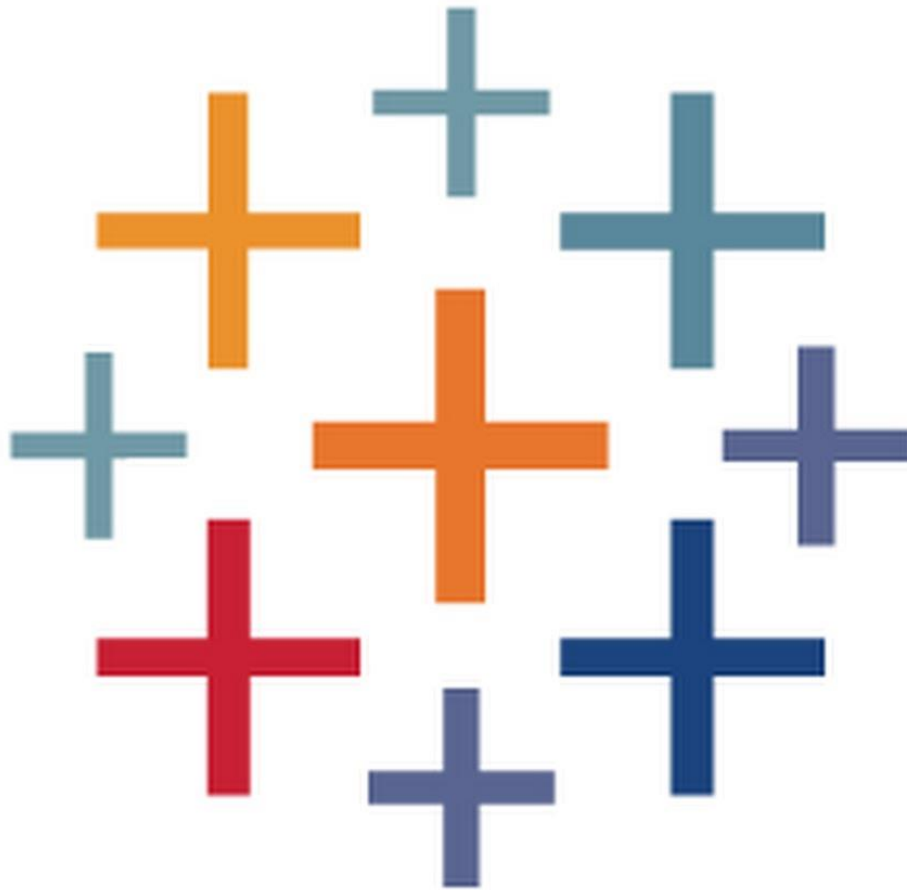
## *Tableau general notes*

When connecting to files store all files relevant in one folder



When connecting to a server you may need to download a driver.

# Application Overview



Orientation of application  
Connect to sample data  
Connect to Postgres  
Intro to Workflow  
Filtering, Data Pane

# 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.





# Q & A

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

—Al Shalloway

# EXIT TICKET

CLASS : TABLEAU INTRO

**QUESTION:** What purpose does a tool like PgAdmin serve if you can connect and do your SQL in Tableau?

