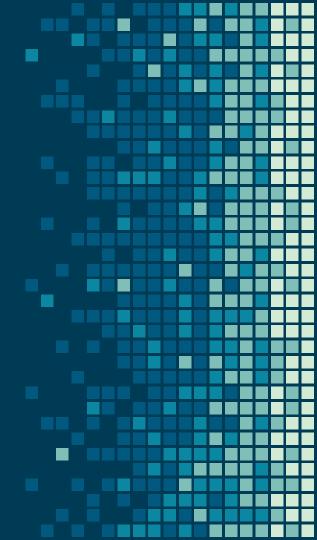
## Introduction to Tableau

### http://bit.ly/2019tableau

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### Overview

- Download & Install Tableau
- Introduction
- Prepare data to transform to a visual
- Work with Tableau
  - Intro to Tableau Interface
  - Connecting to data
- Create the visual
  - Overview of a worksheet
  - Create worksheets
- Create an interactive dashboard
- Save/Publish
- Additional Resources



### Step 1: Download & Install Tableau

Everyone can download Tableau Public for free from <a href="https://public.tableau.com/en-us/s/download">https://public.tableau.com/en-us/s/download</a>

Once it's installed, go to <a href="https://public.tableau.com/s/">https://public.tableau.com/s/</a> to sign up for an account/profile.

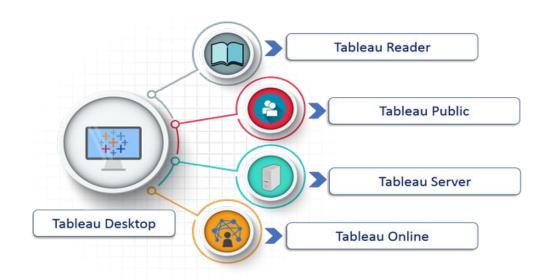
Tableau Academic Program: <a href="https://www.tableau.com/academic">https://www.tableau.com/academic</a>

The student/Instructor license expires after one year; you can request a new license each year as a full-time student.



### What is Tableau?

An interactive data visualization software that allows you to tell a story about your data.





## Tableau Family

### Tableau offers five main products which are:

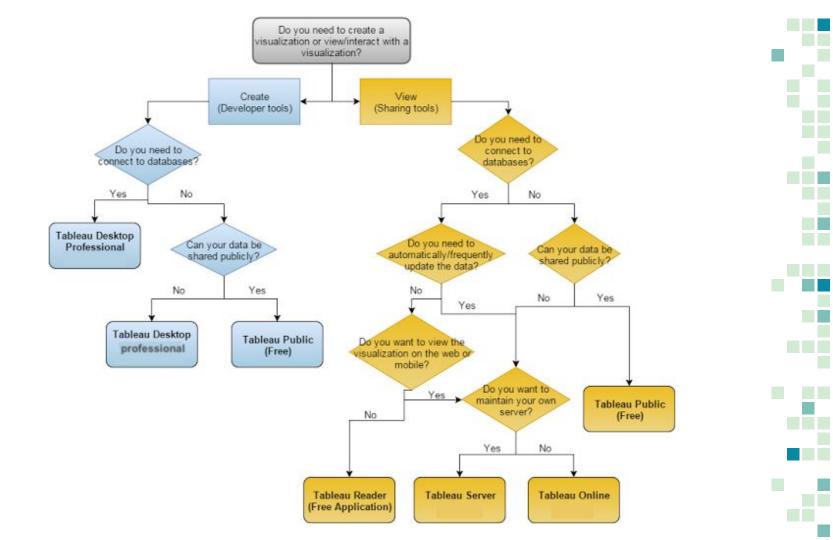
https://www.tableau.com/products

### **Developer Tools**

- Tableau Desktop
- Tableau Public

#### **Sharing Tools**

- Tableau Server: Collaboration in organizations
- Tableau Reader: Let you read files saved in Tableau Desktop
- \* Tableau Online: Similar to Tableau Server (On Cloud)



### Tableau file types:

Tableau Workbook (.twb)

It relies on a live data source connection and doesn't contain the actual data within the workbook file.

Tableau Packaged Workbook (.twbx)

It contains both the Tableau workbooks and the data!



### Workbooks are made up of:

#### Worksheet(s):

Worksheets are where you create your visualization.

#### Dashboard(s):

It is a canvas that displays one or more worksheets.

Example: Visual Vocabulary by Andy Kriebel

#### Story(s):

Enables you to snapshot visualizations and step a user through a story.

Example: Race to Alaska by Anthony Gould

### Step 2: Getting Started with Tableau

The dataset we will use in this workshop can be downloaded from <a href="http://bit.ly/2019tableau">http://bit.ly/2019tableau</a>

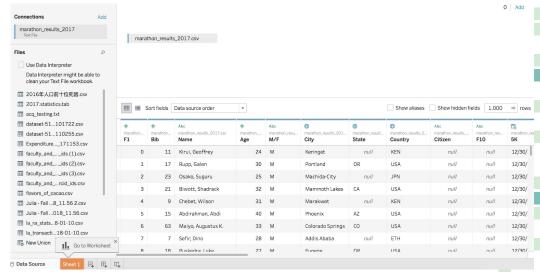
Go to Introduction to Tableau Workshop folder, download marathon\_results\_2017 Tableau workshop.xlsx



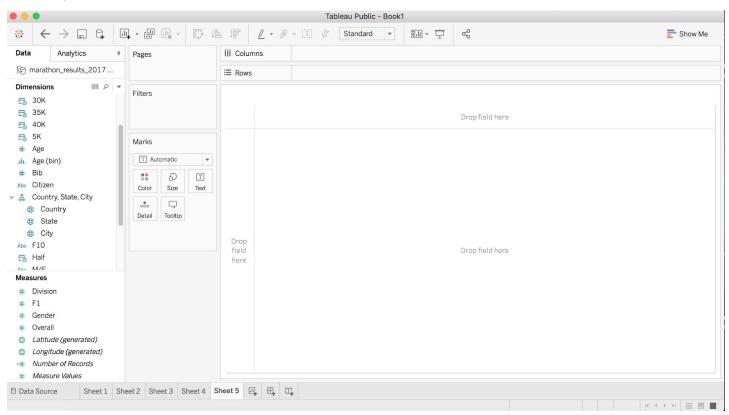
## Step 3: Connecting With Data



To connect to an excel file, click "Excel" on the left hand side. Navigate to the file on your computer and double click to open it.

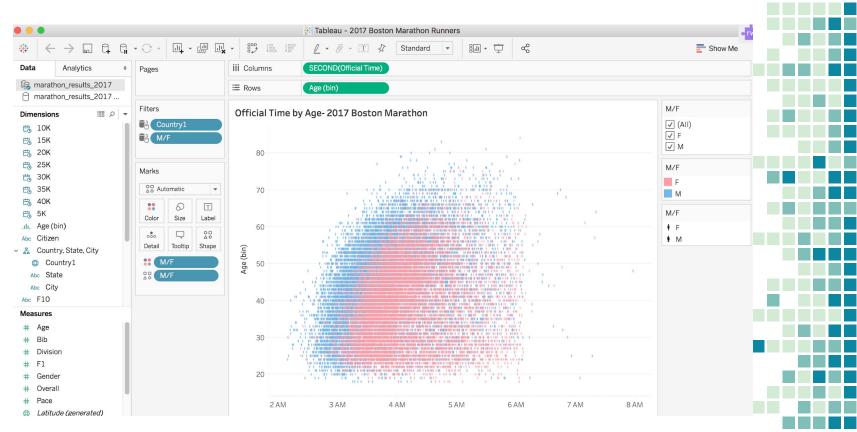


## Step 4: Tableau Workbook Interface

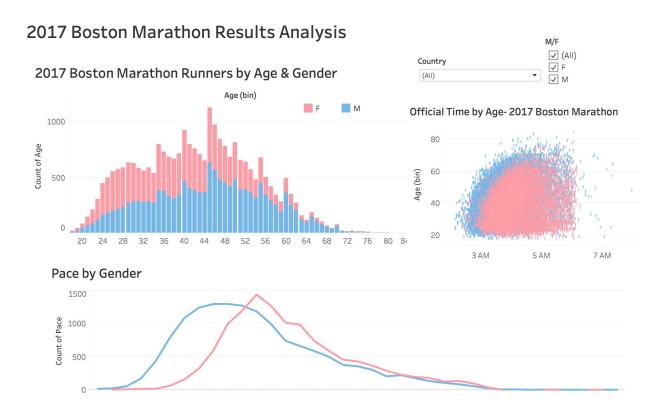




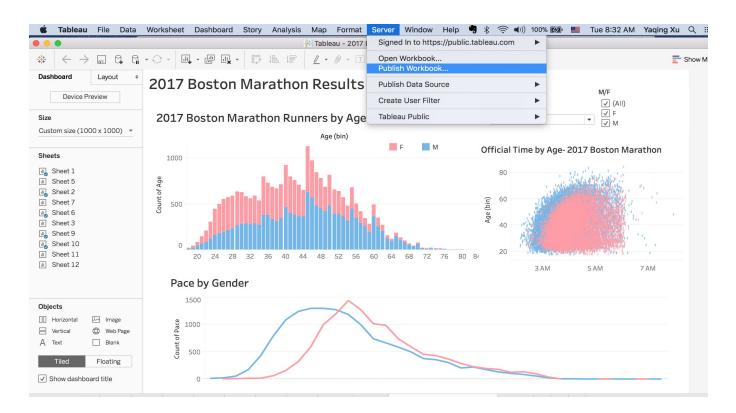
## Step 5: Creating Views and Analysis



### Step 6: Create an interactive dashboard



## Step 7:Save and Publish



#### Additional Resources

Tableau Community

Join the Tableau Community Forums to find solutions for what you need to accomplish. Ask questions to receive help and feedback.

Tableau Visual Gallery

Get inspired by the many interactive visualizations in the Visual Gallery. Download the workbooks to play with on Tableau Desktop

- How-to Videos
- Lynda.com



# THANKS!

Any questions?

