

Introduction to Data Visualization

Tableau

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What is Tableau?



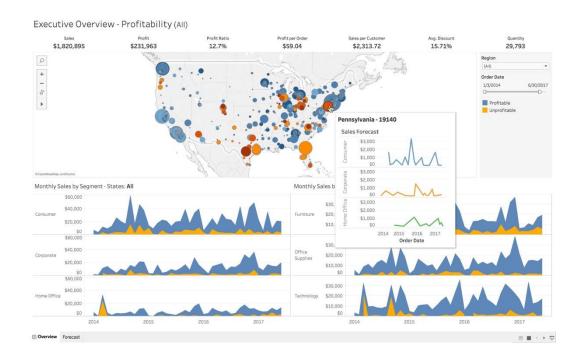
+ a b e a us a visual analytics platform transforming the way we use data to solve problems—empowering people and organizations to make the most of their data."

Visually expresses data by translating drag-and-drop actions into data queries through an intuitive interface.



Why Tableau?

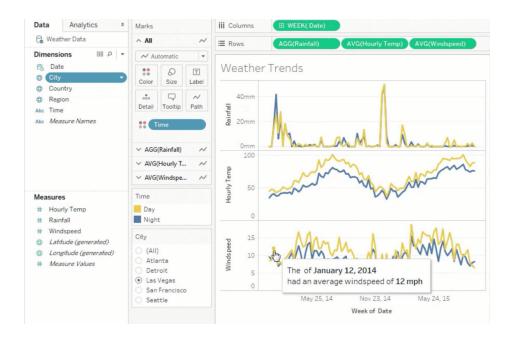
- No coding: Drag and drop is good enough.
- Intuitive: puts more emphasis on asking questions more than learning the software.





Why Tableau?

- Powerful analytics for everyone
 - -Regardless of the skillset, it offers a wider spectrum of analytics environment from data scientists to business users.
 - -Shallow learning curve





How to get Tableau?

- Everyone can get the community version.
 - -<u>Tableau Public</u>
- Academic/Student version for one year free.
- Institutional license.



Welcome page

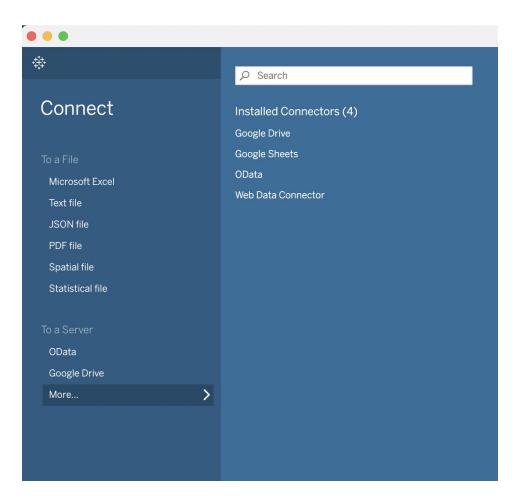
- Three panes are for
 - -data import,
 - -inspection/visualization, and
 - -discovering other visualizations done by Tableau





Data import has several options

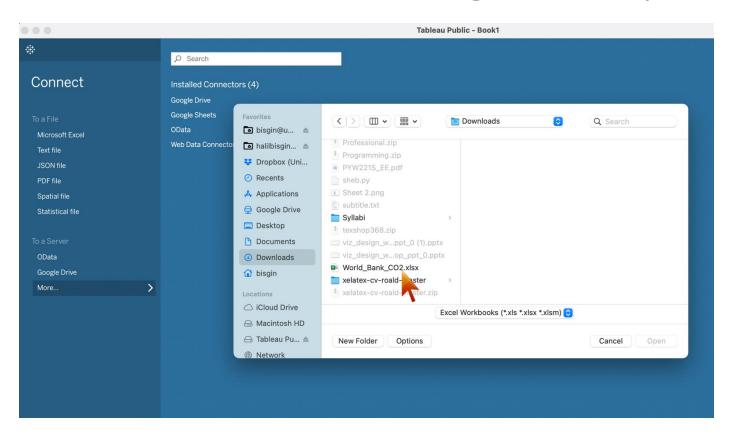
Google Drive and some others need authorization.





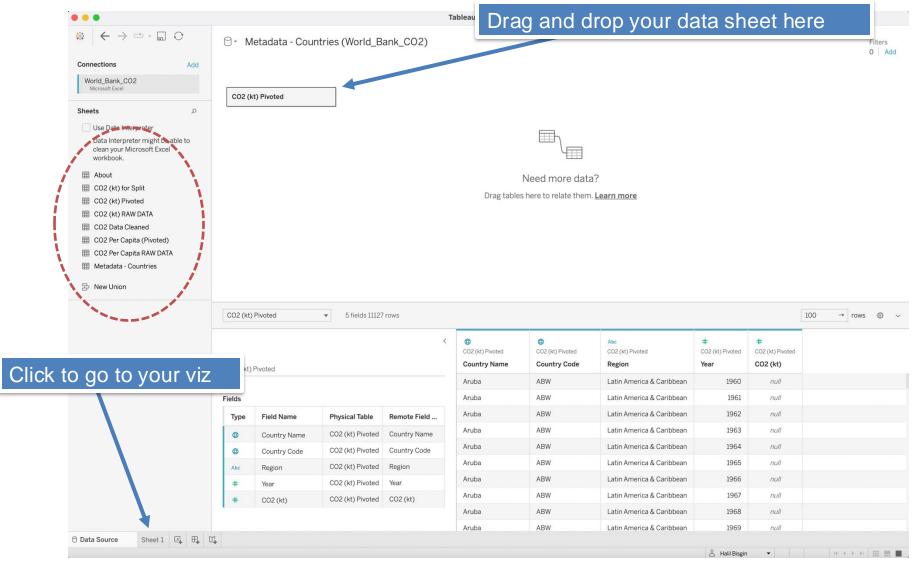
Example-Excel spreadsheet

Just click on the file in the dialog box and open





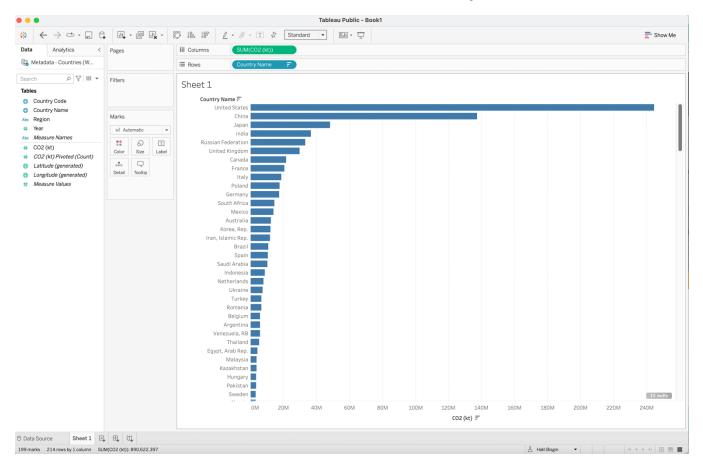
It will show all worksheets in your file





A quick bar plot

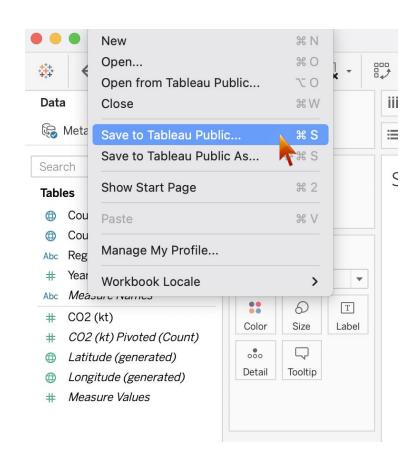
We can create a horizontal bar plot and sort values





Ready to save & share with the world?

It may ask your Tableau credentials, before saving.







Your work on the net

