

[Return to Classroom](#)[DISCUSS ON STUDENT HUB](#)

Wrangle and Analyze Data

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Excellent, your work is impressive.

Keep doing this to go on with your great trajectory.



Good luck with your next projects!

If you want to add me on [Linden \(Rafael Buck\)](#) feel free.

Code Functionality and Readability

All project code is contained in a Jupyter Notebook named `wrangle_act.ipynb` and runs without errors.

Well done. The files have been uploaded correctly and your notebook has no runtime errors.

Suggested: [Here](#) an interesting reference (cheat sheet) about data wrangling using python.

The Jupyter Notebook has an intuitive, easy-to-follow logical structure. The code uses comments effectively and is interspersed with Jupyter Notebook Markdown cells. The steps of the data wrangling process (i.e. gather, assess, and clean) are clearly identified with comments or Markdown cells, as well.

The structure of your notebook is clean and well formatted. Different sections are clearly shown for each of the steps of the data wrangling process. Also, you commented correctly to explain what your code does and how it works 😊

Suggested: Take a look at [this article](#) to know more about how to write an even better and cleaner code

Gathering Data

Data is successfully gathered:

- From at least the three (3) different sources on the Project Details page.
- In at least the three (3) different file formats on the Project Details page.

Each piece of data is imported into a separate pandas DataFrame at first.

Great!!! 😊

Assessing Data

Two types of assessment are used:

- Visual assessment: each piece of gathered data is displayed in the Jupyter Notebook for visual assessment purposes. Once displayed, data can additionally be assessed in an external application (e.g. Excel, text editor).
- Programmatic assessment: pandas' functions and/or methods are used to assess the data.

You have correctly used functions to perform the assessment of data. Histograms are also pretty cool in this exploratory phase of analysis.

At least eight (8) data quality issues and two (2) tidiness issues are detected, and include the issues to clean to satisfy the Project Motivation. Each issue is documented in one to a few sentences each.

Well done!!!

Cleaning Data

The define, code, and test steps of the cleaning process are clearly documented.

You have successfully performed the data cleansing step of the data wrangling process. The define-code-test framework was applied correctly.

Copies of the original pieces of data are made prior to cleaning.

All issues identified in the assess phase are successfully cleaned (if possible) using Python and pandas, and include the cleaning tasks required to satisfy the Project Motivation.

A tidy master dataset (or datasets, if appropriate) with all pieces of gathered data is created.

Excellent, you made use of `.copy ()` correctly, keeping the data from the original database 😊
And also you created the final clean master dataset. Great job!

Storing and Acting on Wrangled Data

Students will save their gathered, assessed, and cleaned master dataset(s) to a CSV file or a SQLite database.

The master data set was stored correctly in a CSV file. 😊

The master dataset is analyzed using pandas or SQL in the Jupyter Notebook and at least three (3) separate insights are produced.

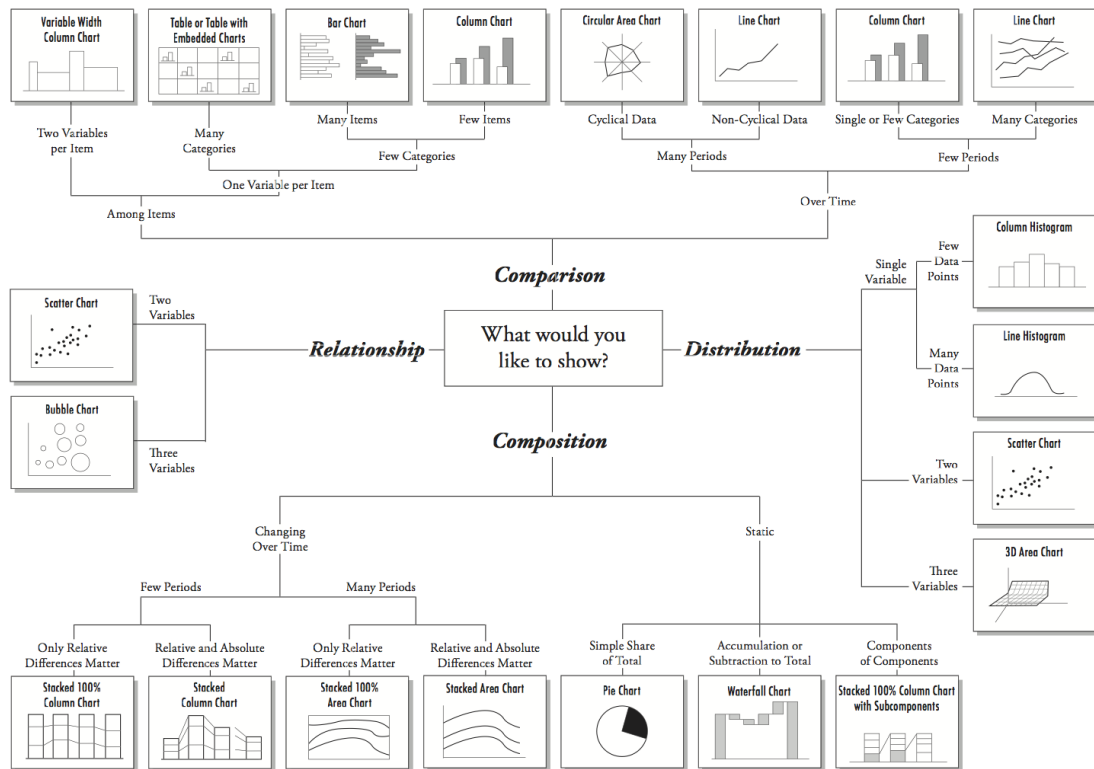
At least one (1) labeled visualization is produced in the Jupyter Notebook using Python's plotting libraries or in Tableau.

Students must make it clear in their wrangling work that they assessed and cleaned (if necessary) the data upon which the analyses and visualizations are based.

It is excellent! I loved the insights 😊 Your analyses are impressive!

Suggested: If you have doubts about which chart use in each situation, this [link](#) can be very useful. The image below also is awesome to explain it:

Chart Suggestions—A Thought-Starter



www.ExtremePresentation.com
© 2009 A. Abela — a.vabela@gmail.com

Report

The student's wrangling efforts are briefly described. This document (wrangle_report.pdf or wrangle_report.html) is concise and approximately 300-600 words in length.

You have produced a clear summary of your work. Very professional 🤖

The three (3) or more insights the student found are communicated. At least one (1) visualization is included.

This document (act_report.pdf or act_report.html) is at least 250 words in length.

You have included the insights (including views) as requested. It's a great "executive report" style document. To

the point, concise, and clear. Awesome!!!

Project Files

The following files (with identical filenames) are included:

- wrangle_act.ipynb
- wrangle_report.pdf or wrangle_report.html
- act_report.pdf or act_report.html

All dataset files are included, including the stored master dataset(s), with filenames and extensions as specified on the Project Submission page.

You have provided all the required files 😊

 [DOWNLOAD PROJECT](#)

[RETURN TO PATH](#)