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# Wrangle and Analyze Data

## REVISÃO

## HISTORY

### Meets Specifications

Excelente trabalho, ficou top!

Continue assim para manter sua trajetória excepcional.



Boa sorte em seus próximos projetos!

Se quiser me adicionar no [Linkedin \(Rafael Buck\)](#) fique à vontade.

### Code Functionality and Readability

All project code is contained in a Jupyter Notebook named wrangle\_act.ipynb and runs without errors.

Código foi compilado com sucesso sem erros. Parabéns pelo excelente trabalho.

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.

Código está claro e bastante comentado.

### 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.

Excelente trabalho! Conseguiu extrair os Datasets das fontes solicitadas, da forma adequada 😊

## 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.

Dados foram visualizados nas formas requisitadas 😊

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.

Corretamente identificou os problemas de qualidade e organização.

## Cleaning Data

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

As atividades de definição, codificação e teste estão corretamente executadas e descritas. Parabéns!

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.

Excelente, fez o uso do `.copy()` corretamente, mantendo os dados da base original 😊

## 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.

Corretamente criou e exportou a base mestra para um arquivo csv 😊

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.

Ficou excelente! Adorei os insights 😊

## 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.

Refletiu adequadamente, apresentando argumentos e detalhes no relatório gerado.

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.

Incluiu 3 insights (Inclusive com visualizações) conforme solicitado. Top!

## 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.

Submeteu corretamente os dados para consideração da revisão. Show!

 [BAIXAR PROJETO](#)

RETORNAR

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[FAQ do Estudante](#)