Suggestion:

review.udacity.com

Meets Specifications

Hi there,
Congratulations on completing the project.
The project shows the time and effort invested in learning. The issues assessed and cleaned are worked upon well.

In the last review, the main issue was so much loss of data. You covered that and cleaned other columns better. Awesome.

Nice work and keep up the dedication.

All the best.

Code Functionality and Readability

All the code is present in the `wrangle_act.ipynb` notebook and run without errors. Good work on checking that every cell works correctly.

Please Never include your API keys in a public code. Anyone can use your API key then. For your project you can remove them before submission and replace it with `hidden` or `blank`.

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.

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.

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.

Ratings have been correctly extracted.

Names have been cleaned properly.

Now we have sufficient data present at the end of the cleaning.

Cleaning Data

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

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.

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 dataset is analyzed using the pandas and insights and visualizations are given.
Good job.

Report

Good work on creating the report for the wrangling efforts. It's clear and concise and reflects the wrangling process taken for the data set.

The Analysis report is present and the insights, visualizations are communicated. Multiple visualizations are present.

Good job on including pictures in the analysis report.

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.

Download Project