

Write a Data Science Blog Post

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Dear Akshay,

Congrats on passing this project from the very first attempt! This is something I don't see really often, so you should be really proud of yourself:) I enjoyed reviewing your thorough, well-thought submission. All the best luck with your further journey, stay Udacious and have a great day! 😊

Code Functionality and Readability

All the project code is contained in a Jupyter notebook, which demonstrates successful execution and output of the code.

Yes! All the project code is in one notebook, and it provides the types of information I found in the blog post and documented throughout the Github repository.

Code has easy-to-follow logical structure. The code uses comments effectively and/or Notebook Markdown cells correctly. The steps of the data science process (gather, assess, clean, analyze, model, visualize) are clearly identified with comments or Markdown cells, as well. The naming for variables and functions should

clearly defined with comments or markdown cells, as well as the naming for variables and functions should be according to PEP8 style guide.

Nice coding practices! The variable names are reasonably chosen, there are enough comments and the notebook, in general, is insightful, impactful and relatively beautiful 😊

Code is well documented and uses functions and classes as necessary. All functions include document strings. DRY principles are implemented.

The documentation is neatly written and organized. You used comments, docstrings, etc. whenever necessary, just according to the project rubrics.

Data

Project follows the CRISP-DM process outlined for questions through communication. This can be done in the README or the notebook. If a question does not require machine learning, descriptive or inferential statistics should be used to create a compelling answer to a particular question.

Great, you nailed the CRISP-DM approach! 👍

Categorical variables are handled appropriately for machine learning models (if models are created). Missing values are also handled appropriately for both descriptive and ML techniques. Document why a particular approach was used, and why it was appropriate for a particular situation.

You did great handling all the variables for planning, designing, collecting data, analyzing, drawing meaningful interpretation and reporting of the research findings.

Analysis, Modeling, Visualization

There are between 3-5 questions asked, related to the business or real-world context of the data. Each question is answered with an appropriate visualization, table, or statistic.

Enough questions were asked, and each of them is connected to the data and solution you found.

Tip:

Here's a very nice advanced guide to practicing reasoning. Hope you'll enjoy it!

<http://users.ox.ac.uk/~sfop0060/pdf/practical%20reasoning.pdf>

Github Repository

Student must have a Github repository of their project. The repository must have a README.md file that communicates the libraries used, the motivation for the project, the files in the repository with a small description of each, a summary of the results of the analysis, and necessary acknowledgements. Students should not use another student's code to complete the project, but they may use other references on the web including StackOverflow and Kaggle to complete the project.

Good - although the project was provided for a review as a .zip archive, I was able to reach your repository finding a link in one of the files. It is organized just like requested.

Blog Post

Student must have a blog post on a platform of their own choice (can be on their website, a Medium post or Github blog post). Student must communicate their results clearly. The post should not dive into technical details or difficulties of the analysis - this should be saved for Github. The post should be understandable for non-technical people from many fields.

Very interesting blog post! I personally believe that research is intuitive for everyone, but we can always make them better, and you did so highlighting the most important insights in your blogpost in an attractive way to make them readable from first glance!

Student must have a title and image to draw readers to their post.

Not only you have a catchy title and image, but also ended your post with a call to action - great job!

There are no long, ongoing blocks of text without line breaks or images for separation anywhere in the post.

The text structure is perfect - informative and light enough for someone with no analytical expertise or desire to dive into details.

Each question is answered with a clear visual, table, or statistic that provides how the data supports or disagrees with some hypothesis that could be formed by each question of interest.

It's great that you used different types of visualizations!

Tip:

For more charts and graphs ideas, check <https://datavizcatalogue.com/index.html> - the data visualization catalog with all the most and not-so-popular types of them explained.

 [DOWNLOAD PROJECT](#)

[RETURN TO PATH](#)
