Write a Data Science Blog Post

Meets Specifications

Congratulations 👏✨✨

Dear Learner,

You have passed the project "**Write a Data Science Blog Post**" with flying colors.🎯
This is an amazing piece of work you have done here.

I went through your Notebook, it clearly demonstrates the entire analysis process using CRISP-DM
The way you have implemented your logic and organized your Notebook was awesome. Great job.

I thoroughly loved going through your blog post as well. It is nice to see you have properly quoted all the questions in the introduction and finally jotted down all the takeaways.

Keep Learning and keep doing the good work.
Good luck !!!

Code Functionality and Readability

✓

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

Awesome, the entire project is done in Jupiter notebook and demonstrates the successful execution of the code. ✅

Further reading

- Jupyter Notebook hints

✓

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 be according to PEP8 style guide.

Nice, your code has easy-to-follow logical structure. The code uses comments effectively. 👍👍

- Code has easy-to-follow logical structure. ✅
- The code uses comments effectively and Notebook Markdown cells correctly. ✅
- The steps of the data science process are clearly identified with comments or Markdown cells, as well. ✅
- The naming for variables and functions are according to PEP8 style guide. ✅

Resources

- Data Science Process
- PEP 8 - Style Guide for Python Code
- Jupyter Notebook Shortcuts
- Data Science Methodology

✓

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

Well done,

The code is well documented. 👍👍
There are proper uses of functions and "docstrings" has been included.

Further reading

- python_docstrings
- Dont_repeat_yourself

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.

Perfect, you have implemented the steps of CRISP-DM process.

Brilliant effort here! 💪💪

- ✔ Business Understanding
- ✔ Data Understanding
- ✔ Prepare Data
- ✔ Data Modeling
- ✔ Evaluate the Results

Further reading

- Steps of CRISP-DM process
- Performing Data Analysis using 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.

Great job! 👏👏

Missing values are handled appropriately and a proper explanation was given for the approach taken. 👍👍

Further exploration

To know more how to handle missing values kindly refer:-

- Working with missing data
- Methods to deal with categorical variables

Analysis, Modeling, Visualization

✓

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

Done perfectly.

Relevant questions are asked and each question is answered with a clear visual, table, or statistic as needed. 👌

Further exploration

- How do data scientists ask a right question

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.

Great work.
The Github repo is properly structured. Also, the README.md file is beautifully documented.

Further reading

- How to write a good readme for your github project
- Markdown cheatcodes
- Basic writing and formatting syntax

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). 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.

Awesome, the blog post was written well containing:

- ✅ All the conclusions obtained from the analysis.
- ✅ Each information is properly backed up with graphs and statistics.
- ✅ It is also for non-technical people.

Useful link

Things to take care while writing a blog post
Art of Storytellig- Data Science

✓

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

The blog has

- ✅ A meaningful title
- ✅ A relevant logo

Further reading

- Meaningful blog post titles

✓

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

- ✅ The blog post is properly structured as should be.
- ✅ There are no long, ongoing blocks of text without line breaks
- ✅ It is engaging and properly readable.

✓

Each question is clearly stated and each answer includes a clear visual, table, or statistic.

Nice job!

- ✅ Each question is properly stated and answered.
- ✅ Each answer includes visuals and statistics.

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