**Meets Specifications**

**Congratulations **

Dear Student,

Congratulations, You have passed this project.  
Your work was very well presented and logically very accurate as well.  
I thoroughly loved going through your blog post as well.

I really appreciate your hard work and your dedication to this project.  
Overall impressive work !!!

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**

* <https://www.tutorialspoint.com/jupyter/index.htm>

**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. 

**Further reading**

<https://www.kdnuggets.com/2016/03/data-science-process.html>

**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.

**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
*  Evaluate the Results

**Further reading**

* <https://www.datascience-pm.com/crisp-dm-2/>

**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](https://www.geeksforgeeks.org/working-with-missing-data-in-pandas/#:~:text=Filling%20missing%20values%20using%20fillna,in%20datasets%20of%20a%20DataFrame.)
* [methods to deal with categorical variables](https://www.analyticsvidhya.com/blog/2015/11/easy-methods-deal-categorical-variables-predictive-modeling/)

**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 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](https://towardsdatascience.com/how-do-data-scientists-ask-the-right-questions-6a5d7b89cdd9)

**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.

**References**

* [github\_guides](https://guides.github.com/activities/hello-world/)
* [github\_tutorial\_beginners](https://product.hubspot.com/blog/git-and-github-tutorial-for-beginners)
* [screencast](https://www.youtube.com/watch?v=SWYqp7iY_Tc)

**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.**

Well done.  
You have shared the blog for this project. It is concise and well structured along with visualization to carry forward the insights.  
It can easily be understood by the non-technical people as well. 

**Further reading**

<https://www.blogtyrant.com/how-to-write-the-perfect-blog-post/>

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

The blog has a proper title and a perfect logo to attract readers. 

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

Nice!

The blog is written in small blocks of different paragraphs. The blog is engaging and very informative.  
Also, the blog is neat and well structured.

**References**

* [Writing\_a\_neat\_blog\_post](https://www.wordstream.com/blog/ws/2015/02/09/how-to-write-a-blog-post)

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

Done perfectly.

Each question is mentioned in bold and clear for better readability   
All the questions are answered with a clear explanation, visual, or statistic as needed.