

< Return to Classroom

Write a Data Science Blog Post

REVIEW

HISTORY

Meets Specifications

Excellent work on the analysis of women in the field of data science. You have done an amazing job on this project so far. I can see that you have written the code professionally and Your writeups about comparing salary, education, and age of men and women in the field are excellent. Congratulations on successfully completing the project.



Congratulations again and stay safe

Here are more reading about writing a blogpost

- How to Write an Awesome Blog Post in 5 Steps
- How to Write a Blog Post: A Step-by-Step Guide
- 7 Proven Tips to Create Blog Posts That Convert Like Crazy
- How to Write a Blog Post in 2021: The Ultimate Guide

Code Functionality and Readability



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.

The Code has easy-to-follow logical structure. Nice work using comments in the code effectively More on adding comments to python code below:

- Python Comments
- Commenting Python Code
- Writing Comments in Python (Guide)

- How To Write Comments in Python 3
- Markdowntext



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

Your code is contained inside a jupyter notebook and it demonstrates successful execution.



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

Very good you have used the DRY principle and have also used docstrings inside the function You may check some links below to know more about python code documentation:

- Docstrings
- PEP257
- · Documenting python code

Tips to write functions:

- Python Functions
- Video: Introduction to Python Functions
- What are Functions?

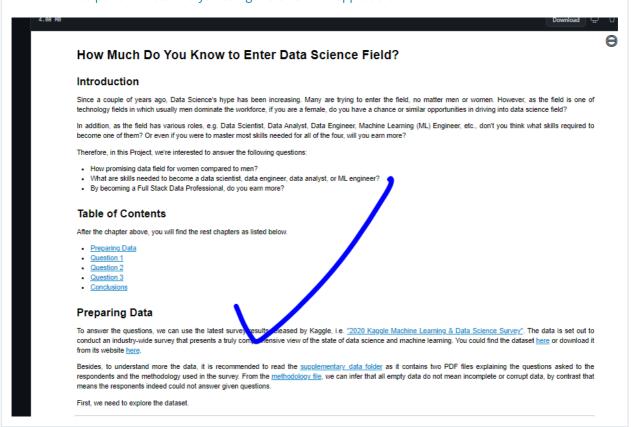
Data



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.

Excellent you have used the CRISP-DM process in the notebook More on CRISP-DM process at below:

- CIRSP-DM to predict car prices
- CRISP-DM methodology
- · What is CRISP-DM
- How to perform Data Analysis using the CRISP-DM approach?



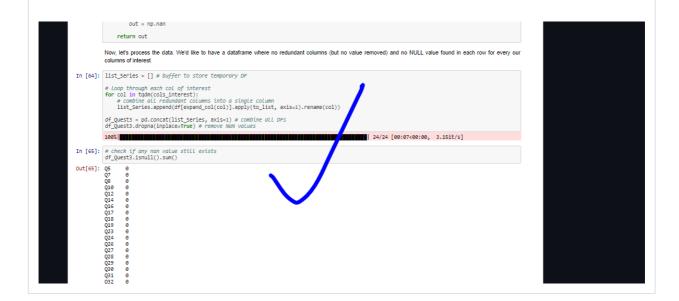


Categorical variables are handled appropriately for machine learning models (if models are created). Missing values are also handled appropriately for both descriptive and ML techniques. Document why a particular approach was used, and why it was appropriate for a particular situation.

Very good, you have handled categorical variables, and you have discussed how you handled the missing values

More on handling missing data at below:

- The prevention and handling of the missing data
- How to Handle Missing Data
- Dealing with Missing Data
- The best way to handle missing data



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.

Nice job with your questions! These are interesting questions, and you did a great job of showing clean visualizations for each. You didn't go overboard on providing too much information in any single visualization, but presented your ideas in a clear succinct way

Github Repository

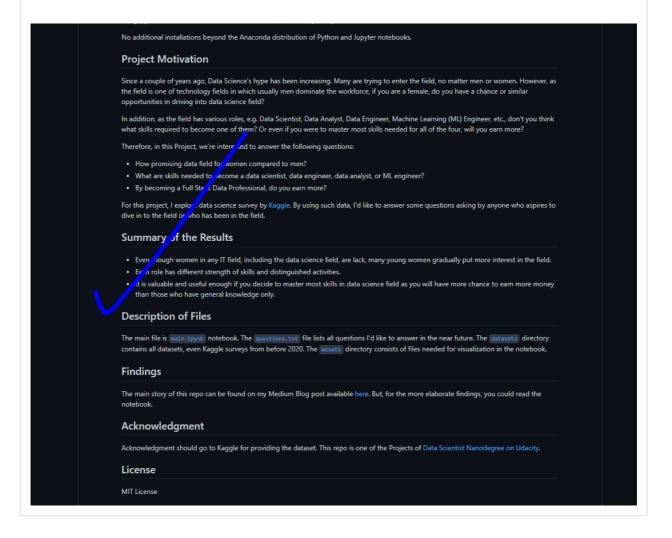


Student must have a Github repository of their project. The repository must have a README.md file that communicates the libraries used, the motivation for the project, the files in the repository with a small description of each, a summary of the results of the analysis, and necessary acknowledgements. 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.

Nice job posting your code to Github. Your README looks great! You have installation, project motivation, file descriptions, results, and acknowledgments. I would, however, add a visual or two.

More on Readme here

- Here are few great examples
- How do you put Images on the README.md file?
- What Media Sources Data Scientists using the Most? Analysis of the 2019 Kaggle ML & DS Survey
- Top 7 BENEFITS OF USING GITHUB



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.

Blogpost is nicely written for non technical audience

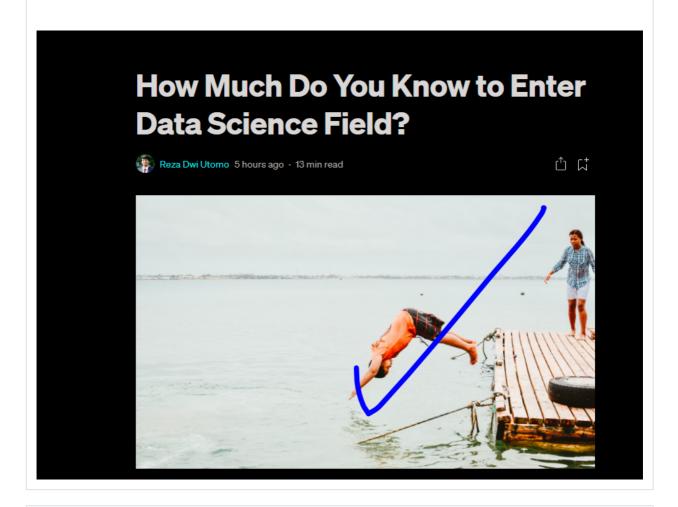


Student must have a title and image to draw readers to their post.

Excellent choice of title and image at the top of the blog. Image is an excellent way to draw readers More on choosing the blogpost image at below:

- How To Create Blog Title Images That Attract Readers
- 11 Best Practices for Including Images in Your Blog Posts
- How to Select the Perfect Image for Your Next Blog Post

• Blog Image 101 - The most effective image tips to help your post stand out





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

You have done well to avoid long paragraphs

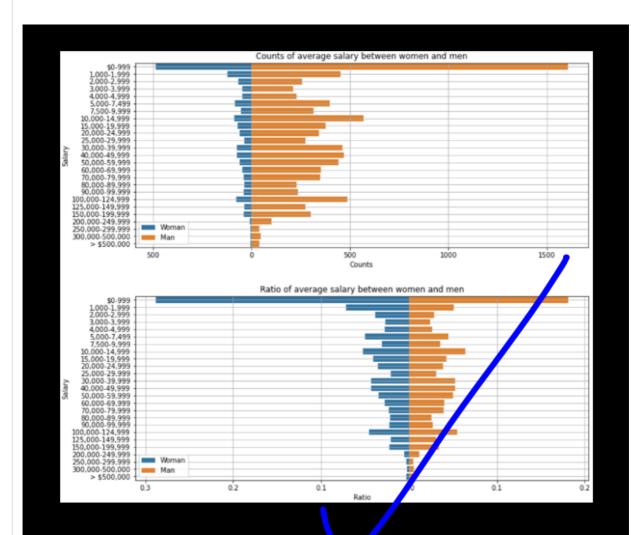


Each question is clearly stated and each answer includes a clear visual, table, or statistic.

Very well done, each question is answered with a clear visual, table or statistics that provide how the data supports the hypothesis.

Modern charting:

- plot.ly: For creating interactive visuals
- $\bullet \ \text{seaborn: statistical data visualization. Allows user to create better visual without much coding effort } \\$



From both charts above, we can see, again men always dominate in terms of numbers. But, if focus on the ratio chart, there is a large proportion for the least salary range in women data. This proportion should be for those women with minimum experience since usually less experienced employees earn less than the more experienced ones. However, to prove this hypothesis, let's explore this proportion where the gender is woman and salary range is between 0 and 999 USD.

PROJECT LINK