**You will peer evaluate two of your classmates (whose last names directly follow yours).**

Based on the following 7 evaluation metrics, write a reviewer’s report of comments with no more than 200 words in total for each student. Please give a score for each evaluation metric, and add up your total score for each report.

|  |  |  |
| --- | --- | --- |
| Abstract: | 5% | Provide context, motivation, and summary of findings. What questions are being answered? Why are these questions interesting/important? |
| Data: | 5% | Variables descriptions? What cleanups were done to the data? Good Graphics and Visualizations? |
| Models: | 5% | What did you do? What models and techniques did you use? Was any innovation attempted? |
| Results: | 5% | Did you properly evaluate your models performance? What are your conclusions? |
| Code: | 5% | Well documented Python codes with reproducible outputs? Good programming? |
| Quality: | 5% | Clarity of writing/presenting? Good readability of Notebook? |
| Complexity: | 5% | Complexity of your entire data collection, preprocessing, modeling, and analyses process in terms of data size and models sophistications. |

Your name: Chung Yan Wan

The title of the project you are reviewing: Determine a Restaurant’s Success

Your scores and comments for each evaluation metric and the total:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Abstract** | **Data** | **Models** | **Results** | **Code** | **Quality** | **Complexity** | **TOTAL** |
| 5% | 5% | 5% | 5% | 5% | 5% | 5% | 35% |
| 4% | 5% | 4.5% | 4.5% | 5% | 4.5% | 4.5% | 32% |
| Your abstract can more be detailed. For example, describe the motivation of doing this project, list the models that you are going to evaluate, and provide a summary of your finding. | Variable description was great. You also have spent lots of time on data cleaning and extracting the piece of data you want to investigate. However, in order to turn the response variable into a binary variable, you set every observation below 3.6 as 0, and everything else as 1. May you explain why you chose this cutoff point? | Overall pretty good model evaluation. One concern I have is that Bernoulli NB might not be an appropriate model to be used for your project, because it only considers binary features, but some of your features are not binary. | The last two plots provide a great summary of your finding, but your conclusion could be more thorough. | Good programing. | Some of your printed text/output does not match with your code. You want to be consistent. For example, when you re-run Knn with the optimal hyperparameter k=3 and k=6, your output said that the accuracy you obtained was from Knn with k=99. | You might consider increasing the size of your dataset. Taking only 5% (5000 observations) might be too much of a deduction. I noticed that except for SVM, none of your models and hyper-parameter tuning were taking terribly long to compile. So, it wouldn’t hurt to try a larger dataset. | Nice job Mahommad! I enjoy reading your project. |