**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: Ensheng Dong

The student’s name you are reviewing: David Erich Seamon

The title of the project you are reviewing: Exploring landslide severity across Washington using machine learning techniques

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% | 5% | 5% | 5% | 5% | 5% | 5% | 34.5% |
| There is no ‘abstract’ section, but the ‘Introduction and Overview of Dataset’ does provide context, motivation, and some data manipulation methods. However, no major finding is described in this part. | Use a variety of methods to visualize the data. | Logistical regression, naive bayes, KNN, random forest, bootstrap aggregation of decision tree, bagged decision tree, and bagged random forest were tested. | A summary table about CV accuracy and time for each model and some plots are presented. However, I have no idea why some time is shown as negative. | The script is reproducible, and I spent about half an hour to rerun the whole script. | Clear and legible. | Many new packages are introduced, so are many good ideas to solve the practical problem. |  |