**Division Sigma Rubrics**

**Rubric Category #1: Accuracy**

* Accuracy = Number of correct test cases / Total number of test cases (in percentage)
* Teams are given tiers according to their percentile:
  + Team’s percentile = Team’s rank in its accuracy / Total number of participating teams
* Higher tiers signify better performance and achievement. This tier rating is only a benchmark, allowing each team to understand how they perform compared to others.
* However, achieving tiers **do not indicate** that you win prizes, only the **TOP 2 MOST** accurate team will receive prizes. Refer to the Awards Section below for more information.
* **For this category, Ignition Hacks will release BOTH the tier rating and the accuracy percentage of each team after judging.**

| **Tier** | **Third Tier** | **Second Tier** | **First Tier** |
| --- | --- | --- | --- |
| **Criteria** | Top 50% (inclusive) out of all participating teams. | Top 30% (inclusive) out of all participating teams. | Top 10% (inclusive) out of all participating teams. |

Your accuracy is judged from the number of correctly predicted sentiments in the judging data. **Based on your raw score, we rank you in percentiles and give you a tier**

| **Criteria** | **Percentage** |
| --- | --- |
| Accuracy of the predicted sentiments | **%** |

**Rubric Category #2: Creativity**

* Creativity denotes the usage of non-traditional approaches and innovative ideas that **enhance** the performance of the model.
* Techniques that simply **impair** the performance of the model will not be considered for creativity. To a certain extent, the use of such techniques would be penalized.
* Only the **TOP 1 Team** that utilizes the most unique and creative techniques compared to the rest of the teams wins the prize in this category. Refer to the Awards Section below for more information.
* **For this category, Ignition Hacks will ONLY release the tier rating of each team after judging.**

| **Tier** | **Third Tier** | **Second Tier** | **First Tier** |
| --- | --- | --- | --- |
| **Criteria** | Top 50% (inclusive) out of all participating teams. | Top 30% (inclusive) out of all participating teams. | Top 10% (inclusive) out of all participating teams. |

Your solution will be judged based on the following rubric. **Based on your raw score, we rank you in percentiles and give you a tier**.

| **Criteria** | **Score** |
| --- | --- |
| Relative effectiveness of your complete solution   * Code is executable; accuracy is relatively high | **/10** |
| Creativity in data preprocessing   * Demonstrate understanding of useful text features | **/15** |
| Creativity in model creation   * Model uses ideas that are unique and effective that enhance the performance of the model | **/15** |
| Creativity in model evaluation (i dont know this)   * Let’s get dev he is more knowledgeable on this part | **/10** |
| **Total Raw Score** | **/50** |
| **Total Score in Percentage** | **%** |

**Rubric Category #3: Commenting and Project Description**

* Comments are the lines of code that are ignored by the compiler. Comments in Python are written with a “#” at the front, i.e. “#comment\_sentence”.
* Well written comments include details that demonstrate the programmer’s understanding of the code but are concise to be read easily. They should also allow members to share the purpose of each block of code, thus reducing miscoordination.
* The **TOP 1 Team** with the most well-commented code and a detailed description under their Devpost submission wins in this category. Refer to the Awards Section below for more information.
* **For this category, Ignition Hacks will ONLY release the tier rating of each team after judging.**

| **Tier** | **Third Tier** | **Second Tier** | **First Tier** |
| --- | --- | --- | --- |
| **Criteria** | Top 50% (inclusive) out of all participating teams. | Top 30% (inclusive) out of all participating teams. | Top 10% (inclusive) out of all participating teams. |

Your solution will be judged based on the following rubric. **Based on your raw score, we rank you in percentiles and give you a tier**.

| **Criteria** | **Score** |
| --- | --- |
| Conciseness and relevances   * Use of appropriate variable names | **/10** |
| Communication of the purpose   * Explains the purpose of a section of the code | **/10** |
| Devpost descriptions & GitHub ReadMe   * Fully yet concisely explains the purpose of a section of the code | **/10** |
| Presentation of the structure of code   * Spacing, indentation, code styles | **/10** |
| **Total Raw Score** | **/40** |
| **Total Score in percentage** | **%** |

**Rubric Category #4: Overall**

* The overall score is determined by a combination of the scores in the accuracy, creativity, and commenting:
  + **Overall score** = 70% of accuracy (percentage score) + 15% of creativity (percentage score) + 15% of commenting (percentage score)
* The **TOP 3 TEAM** with the highest overall score wins prizes.
* **For this category, Ignition Hacks will ONLY release the tier rating of each team after judging.**

| **Tier** | **Third Tier** | **Second Tier** | **First Tier** |
| --- | --- | --- | --- |
| **Criteria** | Top 50% (inclusive) out of all participating teams. | Top 30% (inclusive) out of all participating teams. | Top 10% (inclusive) out of all participating teams. |

**Division Sigma - Awards**

\* A team **cannot** win more than one prize. The team will be awarded the **prize of best value** if it qualifies for more than one prize. In this case, the prize(s) not given to this specific team will be given to the next team(s) based on the ranking(s).

\*All prizes are given out in the form of Amazon Gift Cards, evenly split among team members.

**Grand Award - Overall Best:**

* First Place: $160
* Second Place: $120
* Third Place: $100

**Award - Accuracy:**

* First Place: $100
* Second Place: $60

**Award - Creativity:**

* First Place: $80

**Award - Commenting and Project Description:**

* First Place: $80