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**Project Name: Review Analysis for A product Listed on Amazon**

**Business Objective:**

* Natural Language processing on reviews of products in Amazon: Analyze the reviews posted by the customers and build an algorithm to find the emotions (Positive, Negative etc.,)
* Classification of the reviews to be done on a weekly basis using the algorithm. Entire application should work Automatically.

**Data:**

Reviews to be extracted from amazon for specific product given for your team.

**Exploratory Data Analysis:**

Apply various text mining methods and generate Insights from the text data.

**Acceptance criteria:**

1. Model deployed in R/ Flask
2. Sentiment (Positive, Negative, Neutral etc..) of review to be determined using the model, given the new review from the website

Duration: 2 Months, 10 days

**Milestones:**

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| **Milestone** | **Duration** | **Task start - End Date** |
| Kick off and Business Objective discussion and Teams formation | 1 day | 1st Aug |
| Data Extraction | 10 days | 2nd August- 10th August |
| EDA | 3 weeks | 11th August-30th August |
| Model Building | 1 Week | 31th August- 6th Sep |
| Model Evaluation | 10 days | 7th Sep – 16th Sep |
| Feedback |  |
| Deployment | 2 Weeks | 17st Sep – 1st Oct |
| Reparation for Phase 2 | 1 week | 2nd Oct – 8th Oct |

Protocols:

1. One PoC to be identified by each Team
2. All Participants are requested to adhere to agreed timelines and timelines will not be extended
3. All the Participants are requested to attend the review meetings without fail
4. All the documentation – Final presentation and R/python code to be submitted before the final presentation day