**TikTok Classification Project Proposal**

## **Overview:**

The goal of this project is to develop a machine learning model capable of accurately classifying user interaction data as either a claim or an opinion. This model will assist moderators by automating the initial categorization of data, thereby increasing the efficiency of the overall moderation process.

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| **Milestone** | **Tasks** | **Deliverables/Reports** | **Relevant Stakeholder (Optional Activity)** |
| **1** | Establish structure for project workflow (PACE)  Plan | * Global-level project document | * Rosie Mae Bradshaw – Data Science Manager |
| **1a** | Write a project proposal  Plan | * Project Proposal | * Mary Joanna Rodgers – Project Manager Officer |
| **2** | Compile summary information about the data  Analyze | * Data files ready for EDA | * Orion Rainier – Data Scientist |
| **2a** | Begin exploring the data  Analyze | * Initial statistics | * Orion Rainier – Data Scientist |
| **3** | Data exploration and cleaning  Plan **and** Analyze | * EDA report | * Orion Rainier – Data Scientist |
| **3a** | Visualization building  Analyze **and** Construct | * Tableau dashboard/visualizations | * Mary Joanna Rodgers – Project Manager Officer |
| **4** | Compute descriptive statistics  Analyze | * Analysis of testing results between two important variables | * Willow Jaffey – Data Science Lead |
| **4a** | Conduct hypothesis testing  Analyze **and** Construct | * Results of the hypothesis test. | * Orion Rainier – Data Scientist |
| **5** | Build a regression model  Analyze **and** Construct | * Regression model results. | * Willow Jaffey – Data Science Lead |
| **5a** | Evaluate the model  Execute | * Determine the success of the model | * Mary Joanna Rodgers – Project Manager Officer |
| **6** | Build a machine learning model  Construct | * Final model | * Willow Jaffey – Data Science Lead |
| **6a** | Communicate final insights with stakeholders  Execute | * Report to all stakeholders | * Willow Jaffey – Data Science Lead |