**TikTok project proposal**

## **Overview**

TikTok seeks a way to use machine learning to extract claims or propositions within TikTok videos and comments and classify each data point as a claim or opinion.

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

Note: The estimated times for the milestones in the example equate to the length of the courses where you will learn the necessary skills. Realistic timelines when working with actual clients and data scientists as a data scientist would most likely have tight deadlines, for example:

Milestone 1: 1-2 days

Milestone 2: 2-3 weeks

Milestone 3: 1 week

Milestone 4: 1 week

Milestone 5: 1-2 weeks