# 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** | Tableau dashboard/visualizations | Mary Joanna Rodgers — PM Officer |

| | Analyze and Construct | | |
|---|---|---|---|
| **4** | **Compute descriptive statistics**<br><br>Analyze | Analysis of testing results between two important variables | Willow Jaffey — DS Lead |
| **4a** | **Conduct hypothesis testing**<br><br>Analyze and Construct | | Orion Rainier — DS |
| **5** | **Build a regression model**<br><br>Analyze and Construct | Regression model | Willow Jaffey — DS Lead |
| **5a** | **Evaluate the model**<br><br>Execute | | Rosie Mae Bradshaw — DS Manager |
| **6** | **Build a machine learning model**<br><br>Construct | Final model | Willow Jaffey — DS Lead |
| **6a** | **Communicate final insights with stakeholders**<br><br>Execute | Report to all stakeholders | Willow Jaffey — DS Lead |

Milestone 1: 1-2 days
Milestone 2: 2-3 weeks
Milestone 3: 1 week
Milestone 4: 1 week

Milestone 5: 1-2 weeks