

TikTok Project Proposal

Overview

TikTok aims to leverage machine learning to extract claims or propositions within TikTok videos and comments, classifying each data point as a claim or opinion.

Milestones	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional)
1	Draft the project proposal Plan	Global-level project document	Rosie Mae Bradshaw — DS Manager
1a	Design project workflow structure Plan		Mary Joanna Rodgers — PM Officer
2	Summarize key data characteristics Analyze	Data files ready for EDA	Orion Rainier — DS
2a	Initiate data exploration Analyze		Orion Rainier — DS
3	Clean and analyze the data Plan & Analyze	EDA report	Orion Rainier — DS
3a	Create data visualizations Analyze & Construct	Visualizations	Mary Joanna Rodgers — PM Officer
4	Calculate descriptive statistics Analyze	Analysis of testing results between two important variables	Willow Jaffey — DS Lead

4a	Perform hypothesis testing Analyze & Construct	Results of testing	Orion Rainier — DS
5	Develop regression model Analyze & Construct		Willow Jaffey — DS Lead
5a	Assess model performance Execute	Success state of the model	Rosie Mae Bradshaw — DS Manager
6	Develop machine learning model Construct	Final model	Willow Jaffey — DS Lead
6a	Deliver final insights to stakeholders Execute	Presentation to all stakeholders	Willow Jaffey — DS Lead

Timeline

Milestone 1: 1-2 days

Milestone 2: 2-3 weeks

Milestone 3: 1 week

Milestone 4: 1 week

Milestone 5: 1-2 weeks