

# TikTok project proposal

## Claim or Opinion classification

This project aims to develop a Machine Learning model to classify TikTok videos as either opinions or claims. Flagged videos that are claims, which are more likely to violate terms, will be prioritized for human moderation to improve efficiency.

milestone	task	time	outcome	deliverable
1	Write project proposal and establish project structure	2 days	Time estimate and key milestones to track project	Global-level project document
2	Data exploration and cleaning	2 weeks	Understanding of data that is cleaned and preprocessed	Jupyter Notebook
3	Compile summary information about data	2 days	Overview of key findings from data exploration	Report
4	Data Visualization and descriptive statistics	1 week	Visuals of key insights	Tableau Dashboard
5	Statistical Hypothesis Testing	2 weeks	Evidence for alternative explanations from sample data	Jupyter Notebook, Dashboard update
6	Building a regression model and evaluation	1 week	Insights into variable relationships and initial predictions	Statistical model, Dashboard update, Code
7	Building tree-based machine learning ensemble models and evaluation	2 weeks	High-performing classification model with validated metrics	ML Model, Dashboard update, Code
8	Communicate key insights with stakeholders	2 days	Clear understanding of analytical impact and outcomes	Executive Summary, Dashboard update