

# TikTok ML Project Proposal

## Objective

The data team's objective is to develop a machine learning model to extract claims or propositions, within TikTok videos and comments, and classify each data point as a claim or opinion.

## Planning and Analyzing stages

Milestone	Tasks	Outcome/Deliverables	Estimated Time
Milestone 1	<ul style="list-style-type: none"><li>Establish structure for project workflow (PACE) Plan</li><li>Finalize proposal</li></ul>	<ul style="list-style-type: none"><li>Global-level project document</li><li>Stakeholders updated</li></ul>	2-3 weeks
Milestone 2	<ul style="list-style-type: none"><li>Data discovery, exploration and cleaning</li><li>Compile summary information about the data</li><li>Visualization builds</li></ul>	<ul style="list-style-type: none"><li>Data files ready for EDA</li><li>Interactive dashboard</li><li>Stakeholders updated</li></ul>	3-4 weeks

## Constructing and Executing stages

Milestone 3	<ul style="list-style-type: none"><li>Compute descriptive statistics</li><li>Conduct hypothesis testing</li><li>Build a regression model</li><li>Build a machine learning model</li></ul>	<ul style="list-style-type: none"><li>Regression model</li><li>Final Machine Learning Model</li><li>Stakeholders updated</li></ul>	4 weeks
Milestone 4	<ul style="list-style-type: none"><li>Evaluate the model</li><li>Communicate final insights with stakeholders</li></ul>	<ul style="list-style-type: none"><li>Report to all stakeholders</li></ul>	3 weeks