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

Course 1: Foundations of Data Science

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