



# Classification Prediction Proposal

## Overview:

TikTok seeks to achieve its objective to develop a machine learning model that will extract data from within videos and comments and accurately classify user interaction data as a claim or opinion.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	<div>Establish structure for project workflow (PACE)</div> <div>Write a project proposal</div> <div>Plan ▾</div>	<ul style="list-style-type: none"><li>Global-level project document</li></ul>	<ul style="list-style-type: none"><li>Rosie Mae Bradshaw- Data Science Manager</li><li>Mary Joanna Rodgers- Project Management Officer</li></ul>
1a	<div>Select software/languages</div> <div>Plan ▾</div>		<ul style="list-style-type: none"><li>Rosie Mae Bradshaw- Data Science Manager</li><li>Willow Jaffey- Data Science Lead</li></ul>
2	<div>Begin exploring the data</div> <div>Analyze ▾</div>	<ul style="list-style-type: none"><li>Data files ready for EDA</li></ul>	<ul style="list-style-type: none"><li>Willow Jaffey- Data Science Lead</li><li>Orion Rainier- Data Scientist</li></ul>
2a	<div>Compile summary information about the data</div> <div>Analyze ▾</div>		<ul style="list-style-type: none"><li>Willow Jaffey- Data Science Lead</li><li>Orion Rainier- Data Scientist</li></ul>



## Course 1: Foundations of Data Science

3	<p>Data exploration and cleaning</p> <p>Plan ▾ and Analyze ▾</p>	<ul style="list-style-type: none"><li>• EDA report</li></ul>	<ul style="list-style-type: none"><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>
3a	<p>Visualization building</p> <p>Analyze ▾ and Construct ▾</p>	<ul style="list-style-type: none"><li>• Tableau dashboard/visualizations</li></ul>	<ul style="list-style-type: none"><li>• Rosie Mae Bradshaw- Data Science Manager</li><li>• Mary Joanna Rodgers- Project Management Officer</li><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>
4	<p>Compute descriptive statistics</p> <p>Analyze ▾</p>	<ul style="list-style-type: none"><li>• Analysis of testing results between two important variables</li></ul>	<ul style="list-style-type: none"><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>
4a	<p>Conduct hypothesis testing</p> <p>Analyze ▾ and Construct ▾</p>		<ul style="list-style-type: none"><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>
5	<p>Build a regression model</p> <p>Analyze ▾ and Construct ▾</p>	<ul style="list-style-type: none"><li>• Regression model</li></ul>	<ul style="list-style-type: none"><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>
5a	<p>Evaluate the model ▾</p> <p>Construct ▾ and Execute ▾</p>	<ul style="list-style-type: none"><li>• Determine the success of the model</li></ul>	<ul style="list-style-type: none"><li>• Rosie Mae Bradshaw- Data Science Manager</li><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>
6	<p>Build a machine learning model</p> <p>Construct ▾</p>	<ul style="list-style-type: none"><li>• Final model</li></ul>	<ul style="list-style-type: none"><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>



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6a	<div>Communicate final insights with stakeholders</div> <div>Execute ▾</div>	<ul style="list-style-type: none"><li>• Visualizations</li><li>• Report to all stakeholders</li></ul>	<ul style="list-style-type: none"><li>• Rosie Mae Bradshaw- Data Science Manager</li><li>• Mary Joanna Rodgers- Project Management Officer</li><li>• Willow Jaffey- Data Science Lead</li><li>• Orion Rainier- Data Scientist</li></ul>
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