



# TikTok Claims Classification Project Proposal

## Overview:

Aim to develop a predictive machine learning model to extract claims and propositions within videos and comments and classify each data point as a claim or opinion.

| Milestone | Tasks  | Deliverables/Reports  | Relevant Stakeholder (Optional Activity) |
|-----------|--|---|--|
| 1         | <div>Establish structure for project workflow (PACE)</div> <div>Plan ▾</div> | <ul style="list-style-type: none"><li>Global-level project document</li></ul> |  |
| 1a        | <div>Write a project proposal</div> <div>Plan ▾</div>                        |   |  |
| 2         | <div>Compile summary information about the data</div> <div>Construct ▾</div> | <ul style="list-style-type: none"><li>Data files ready for EDA</li></ul>      |  |
| 2a        | <div>Begin exploring the data</div> <div>Analyze ▾</div>                     |   |  |
| 3         | <div>Data exploration and cleaning</div>                                     | <ul style="list-style-type: none"><li>EDA report</li></ul>                    |  |



## Course 1: Foundations of Data Science

|    |   |   |  |
|----|---|---|--|
|    | <b>Plan</b> and <b>Analyze</b>                                    |   |  |
| 3a | Visualization building<br><b>Analyze</b> and <b>Construct</b>     | <ul style="list-style-type: none"><li>Tableau dashboard/visualizations</li></ul>                            |  |
| 4  | Compute descriptive statistics<br><b>Analyze</b>                  | <ul style="list-style-type: none"><li>Analysis of testing results between two important variables</li></ul> |  |
| 4a | Conduct hypothesis testing<br><b>Analyze</b> and <b>Construct</b> |   |  |
| 5  | Build a regression model<br><b>Analyze</b> and <b>Construct</b>   |   |  |
| 5a | Evaluate the model<br><b>Execute</b>                              | <ul style="list-style-type: none"><li>Determine the success of the model</li></ul>                          |  |
| 6  | Build a machine learning model<br><b>Construct</b>                | <ul style="list-style-type: none"><li>Final model</li></ul>   |  |
| 6a | Communicate final insights with stakeholders                      | <ul style="list-style-type: none"><li>Report to all stakeholders</li></ul>                                  |  |



Course 1: **Foundations of Data Science**

|  |                      |  |  |
|--|----------------------|--|--|
|  | <div>Execute ▾</div> |  |  |
|--|----------------------|--|--|