



Waze project proposal

Overview

Waze leadership has asked the data team to build a machine learning model to predict user churn. The model is based on data collected from users of the Waze app.

Milestones	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional)
1	<p>Establish structure for project workflow (PACE)</p> <p>Plan ▾</p>	<ul style="list-style-type: none">Global-level project document	May Santner — Data Analysis Manager
1a	<p>Write a project proposal</p> <p>Plan ▾</p>		Sylvester Esperanza — Senior Project Manager
2	<p>Compile summary information about the data</p> <p>Analyze ▾</p>	<ul style="list-style-type: none">Data files ready for EDA	Chidi Ga — Senior Data Analyst
2a	<p>Begin exploring the data</p> <p>Analyze ▾</p>		
3	<p>Data exploration and cleaning</p> <p>Plan ▾ and Analyze ▾</p>	<ul style="list-style-type: none">EDA report	Chidi Ga — Senior Data Analyst



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3a	<p>Visualization building</p> <p>Analyze ▾ and Construct ▾</p>	<ul style="list-style-type: none">Tableau dashboard/visualizations	Sylvester Esperanza — Senior Project Manager
4	<p>Compute descriptive statistics</p> <p>Analyze ▾</p>	<ul style="list-style-type: none">Analysis of testing results between two important variables	
4a	<p>Conduct hypothesis testing</p> <p>Analyze ▾ and Construct ▾</p>		May Santner — Data Analysis Manager
5	<p>Build a regression model</p> <p>Analyze ▾ and Construct ▾</p>		
5a	<p>Evaluate the model</p> <p>Execute ▾</p>	<ul style="list-style-type: none">Determine the success of the model	Harriet Hadzic — Director of Data Analysis
6	<p>Build a machine learning model</p> <p>Construct ▾</p>	<ul style="list-style-type: none">Final model	
6a	<p>Communicate final insights with stakeholders</p> <p>Execute ▾</p>	<ul style="list-style-type: none">Report to all stakeholders	Harriet Hadzic — Director of Data Analysis



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Note: The estimated times for the milestones in the example equate to the length of the courses where you will learn the necessary skills. The project timeline would most likely have tighter deadlines in a professional context involving actual clients and data scientists. 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