



# Develop ML model for automate checking claim if approved or denied

## Overview:

Require a brief project plan outlining the workflow for our team to establish a streamlined approach for this task.

---

| Milestone | Tasks   | Deliverables/Reports            | Relevant Stakeholder (Optional Activity)        |
|-----------|---|---------------------------------|---|
| 1         | Establish structure for project workflow (PACE)<br><br>Plan | • Global-level project document | Rosie Mae Bradshaw                              |
| 1a        | Write a project proposal<br><br>Plan                        |                                 | Mary Joanna Rodgers- Project Management Officer |
| 2         | Compile summary information about the data<br><br>Analyze   | • Data files ready for EDA      | Orion Rainier-Data Scientist                    |
| 2a        | Begin exploring the data<br><br>Analyze                     |                                 | Orion Rainier-Data Scientist                    |
| 3         | Data exploration and cleaning                               | • EDA report                    | Orion Rainier-Data Scientist                    |



Course 1: Foundations of Data Science

|           |  |   |   |
|-----------|--|---|---|
|           | Plan <b>and</b> Analyze  |   |   |
| <b>3a</b> | Visualization building<br><br>Analyze <b>and</b> Construct     | • Tableau dashboard/visualizations                            | Mary Joanna Rodgers- Project Management Officer |
| <b>4</b>  | Compute descriptive statistics<br><br>Analyze                  | • Analysis of testing results between two important variables | Orion Rainier-Data Scientist                    |
| <b>4a</b> | Conduct hypothesis testing<br><br>Analyze <b>and</b> Construct |   | Willow Jaffey- Data Science Lead                |
| <b>5</b>  | Build a regression model<br><br>Analyze <b>and</b> Construct   |   | Willow Jaffey- Data Science Lead                |
| <b>5a</b> | Build a machine learning model<br><br>Execute                  | • Determine the success of the model                          | Willow Jaffey- Data Science Lead                |
| <b>6</b>  | Evaluate the model<br><br>Execute                              | • Final model   | Willow Jaffey- Data Science Lead                |



Course 1: Foundations of Data Science

|    |   |                            |                                  |
|----|---|----------------------------|----------------------------------|
| 6a | Communicate final insights with stakeholders<br><br>Execute | Report to all stakeholders | Willow Jaffey- Data Science Lead |
|----|---|----------------------------|----------------------------------|