# **Salifort Motors Project Proposal**

## **Overview:**

The company wants to reduce employee turnover by implementing changes in the areas of employee performance that are the main causes of turnover. This will not only improve employees' working conditions, but also reduce the company's costs in finding and training new employees to replace those who have left.

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| **Milestone** | **Tasks** | **Deliverables/**  **Reports** | **Relevant Stakeholder** | **Estimated Time**  **(approx)** |
| **1** | Establish structure for project workflow (PACE)  Plan stage | **Global-level project document** |  | 1-2 days |
| **1a** | Write a project proposal  Plan stage | **Project proposal** |  |
| **2** | Compile summary information about the data  Analyze stage | Data files ready for EDA |  | 2-3 weeks |
| **3** | Data exploration and cleaning  Plan and analyze stages | **EDA report**  Tableau:  dashboard/  visualizations |  | 1 week |
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| **3a** | Visualization building (for EDA results)  Construct and analyze stages | **Tableau:**  **dashboard/**  **visualizations** |  |
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| **4** | Compute descriptive statistics  Analyze stage | **Analysis of testing results between important variables**  Share results of testing |  | 1 week |
| **4a** | *Conduct hypothesis testing (if need)*  Construct and analyze stages | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
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| **4b** | Determine model(s) and its assumptions  Analyze stage | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| **5** | Build the chosen models  Construct and analyze stages | Review testing results |  | 1-2 weeks |
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| **5a** | Evaluate the model results  (how well your model fits the data)  Interpret model performance and results  Execute and analyze stages | Determine the success of the model  **Final models**  **Final report** |  |
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| **6** | Communicate final insights with stakeholders  Execute stage | **Report** to all stakeholders |  | 1 day |

Some general tips for project:

* Understand your data in the problem context
* Consider how your data will best address the business need
* Contextualize and understand the data and the problem
* Perform EDA (understand the variables and analyze relationships between them)
* Create visualizations
* Determine which models are most appropriate
* Construct the model
* Confirm model assumptions
* Evaluate model results to determine how well your model fits the data
* Interpret model performance and results
* Share actionable steps with stakeholders