What drives an employee leave the company?

A study of Employee retention in Salifort Motors Project Proposal

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Goals

Expected delivery

April 8, 2025

Deliverables

- A clean notebook with all the codes
- Executive summary with summary and recommendations
- A detailed report in GitHub

Phase 1 - Planning

Business task

- Identify the stakeholders
- Define the business goal
- Define the deliverables

Data

- Collecting the data and other resources
- Choosing tools and methodologies

Phase 2 - Analyse

Tasks

- Performing EDA using Python and Tableau
- Perform descriptive statistics
- Ethical considerations

Deliverables

 Recording all the results in Jupyter Notebook

Phase 3 - Construct

Tasks

- Identify the data
 visualizations, machine
 learning models and other
 processes required
- Define dependent and independent variables

Deliverables

- Build the regression model
- Record the results
- Identify the possible solutions to problems faced
- Create machine learning models

Phase 4 - Execute

Tasks

- Interpret the model results
- Create a summary of the analysis
- Define the limitations of the analysis and what can be done to improve the study

Deliverables

- A clear and concise summary of the analysis
- Propose recommendations along with limitations of the project, further research ideas, ethical considerations

Attention areas

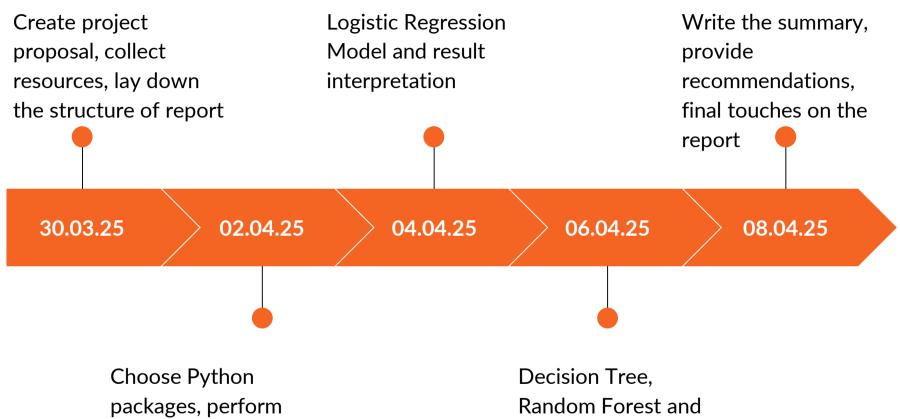
Regression analysis

- Defining dependent and independent variables
- Interpreting the model results

Machine Learning Models

- Interpreting the model results
- Choosing the right variables

Schedule



Notebook and Tableau

EDA in Jupyter

Random Forest and XG Boost models and interpret the results