Project proposal

How many employees are leaving the Salifort Motor

Overview

there is a high rate of turnover among Salifort employees. (Note: In this context, turnover data includes both employees who choose to quit their job and employees who are let go). Salifort's senior leadership team is concerned about how many employees are leaving the company. Salifort strives to create a corporate culture that supports employee success and professional development. Further, the high turnover rate is costly in the financial sense. Salifort makes a big investment in recruiting, training, and upskilling its employees.

If Salifort could predict whether an employee will leave the company, and discover the reasons behind their departure, they could better understand the problem and develop a solution.

Milestones	Tasks	PACE stages
1	- **PACE proposal** - **Data Observation**	**Planning**
2	- **Data preparation** - **Exploratory data analysis (EDA)**	**Planning & Analyze**
3	- **Visualization dashboard** - **Visualization Sharing** - **Storytelling presentation**	**Analyze & Execute**
4	- **Measurement** - **Hypothesis testing**	**Analyze & Construct**
5	- **Model Assumption in linear regression** - **Linear regression** - **Model Evaluation**	**Analyze & Construct**

6	- **Model Assumption in classification** - **Machine Learning with Logistic regression, Random Forest tree with XGBoost** - **Model Evaluation**	**Analyze & Construct**
7	- **Executive summary document** - **Final presentation**	**Execute**