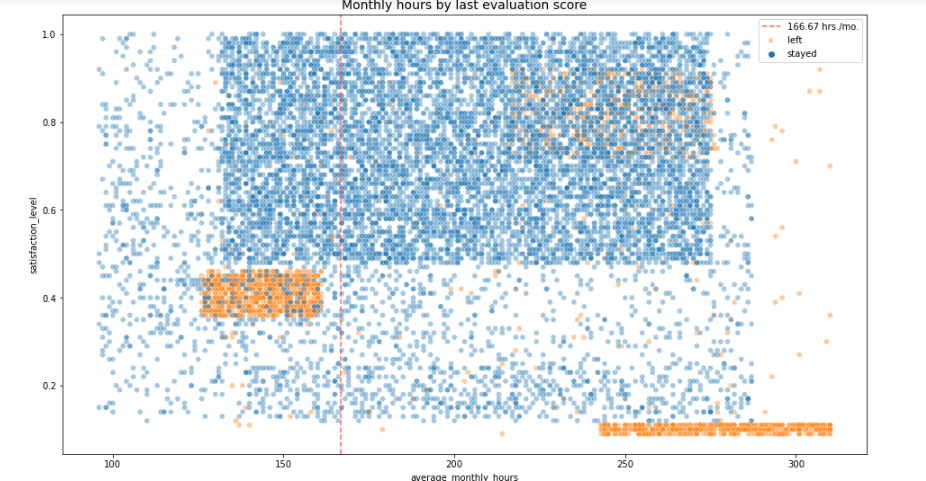


The visualizations from the Python lab in Jupyter Notebook provide a comprehensive overview of the dataset, highlighting key insights into employee turnover at Salifort Motors.

1. **Correlation Heatmap**: Displays relationships between numerical features, identifying satisfaction level and average monthly hours as significant predictors of turnover.
2. **Department Analysis**: Bar plots showcasing turnover rates across departments reveal that specific teams, such as "Technical" and "Support," experience higher turnover.
3. **Satisfaction Levels**: Histograms illustrate the distribution of satisfaction scores, revealing that employees with lower satisfaction are more likely to leave.
4. **Workload Distribution**: Scatter plots of average monthly hours and number of projects indicate that employees with excessive workloads exhibit higher turnover rates.
5. **Salary Insights**: Stacked bar charts show turnover trends by salary tiers, suggesting that employees with "low" salaries are disproportionately affected.
6. **Tenure Analysis**: Line graphs charting time spent at the company highlight tenure thresholds where dissatisfaction peaks.

A graph of a bar chart

AI-generated content may be incorrect.



A graph of different colored bars

AI-generated content may be incorrect.

A comparison of a graph

AI-generated content may be incorrect.

A screen shot of a graph

AI-generated content may be incorrect.

A white rectangular object with blue lines

AI-generated content may be incorrect.

A graph of a number of people

AI-generated content may be incorrect.

A screenshot of a graph

AI-generated content may be incorrect.

A graph with numbers and a grid

AI-generated content may be incorrect.

A graph with red and purple bars

AI-generated content may be incorrect.A yellow and purple squares with numbers

AI-generated content may be incorrect.A chart of a blue yellow and purple color

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.

A graph with text and a bar

AI-generated content may be incorrect.

A graph with blue and white bars

AI-generated content may be incorrect.