Exploratory Data Analysis of the dataset containing details of employees in ABC company.

I conducted exploratory data analysis (EDA) on a dataset containing information about employees at ABC Company. EDA involves analyzing and exploring datasets to understand their main characteristics, often using data visualization techniques. It helps data scientists uncover patterns, identify anomalies, test hypotheses, and validate assumptions, facilitating effective data manipulation and interpretation.

The data was analyzed following a structured approach:

1. **Pre-processing of Data**:
   * Imported necessary libraries such as pandas, numpy, matplotlib, and seaborn.
   * Loaded the dataset into a pandas DataFrame using read\_csv().
   * Utilized functions like info(), and describe() to understand the dataset's structure, content, and statistical summary.
   * Handled missing values using isnull() to identify them.
   * Checked for and handled duplicate values using the drop() function.
   * Identified and addressed outliers using visualization techniques such as boxplots and scatterplots, and removing them if necessary.
2. **Analysis of Data**:
   * Conducted a comprehensive analysis of the dataset to derive insights and identify patterns.
   * Utilized statistical methods and exploratory techniques to understand the relationships between variables and uncover trends within the data.
3. **Creation of Visuals**:
   * Created visualizations such as bar charts, histograms, scatterplots, and boxplots to represent the data visually.
   * Utilized these visuals to present key findings and insights derived from the analysis.
   * Leveraged visualization tools like Matplotlib and Seaborn to generate informative and visually appealing plots.

Through this process, meaningful insights were derived from the dataset, aiding in better understanding and decision-making.