IBM HR https://www.kaggle.com/datasets/pavansubhasht/ibm-hr-analytics-attrition-dataset:

1. **Employee Turnover Prediction**:
   * **Classification**: Predicting whether an employee is likely to leave the company based on historical data, demographics, performance reviews, etc. This can help HR departments take proactive measures to retain valuable employees.
2. **Salary Analysis**:
   * **Regression**: Modeling the relationship between various factors like education level, experience, role, and location to predict salary ranges for different positions within the company. This can aid in ensuring fair compensation.

* develop and implement QA processes to validate transformed data against raw data;
  + Checking nulls
  + General Review
  + Validating age
  + Data Types
  + Employee ID (check for duplicates)
  + Test Employee EmployeeCount to prove it should be dropped
  + EnvironmentSatisfaction, JobInvolvement, JobSatisfaction, PerformanceRating, RelationshipSatisfaction, Work LifeBalance (Within 1-4 scale)
* consider ethical implications when accessing and working with data;
* clean and transform data;
* perform Exploratory Data Analysis (EDA) including creating visualizations in Python to understand the data;
* apply appropriate statistical models to identify relevant trends and patterns in data;
* interpret results of statistical models to highlight anomalies, make meaningful conclusions, and support strategic business decisions
* turn complex data into easily consumable visual insights in Tableau;
* create interactive and impactful stakeholder-facing dashboards in Tableau that are best suited to communicate insights.