**Introduction**  
This project aims to provide a comprehensive analysis of company data, salaries, and employee distribution across various fields using Power BI. The analysis seeks to answer important questions such as:

* What are the most in-demand jobs in the field of data science?
* What are the expected salaries for each role?
* How are employees distributed by company size and geographic location?
* What are the future trends in the data science job market?

**Data Used**  
The analysis uses a dataset containing detailed information about employees across various companies, including:

* **Job Title**: The type of job (e.g., Data Engineer, Data Scientist, Data Analyst).
* **Year of Employment**: The year the employee started working.
* **Employment Type**: Full-time or part-time.
* **Experience Level**: The employee’s level of experience.
* **Company Location**: The country or region.
* **Company Size**: The size of the company (small, medium, large).
* **Salary**: The annual salary.

**Analysis Methodology**

1. **Data Importation**: Data was imported into Power BI.
2. **Data Cleaning**: The data was cleaned to ensure accuracy.
3. **Data Transformation**: The data was transformed into a suitable format for analysis.
4. **Visual Creation**: Interactive visuals were created to present the results:
   * Bar charts
   * Pie charts
   * Maps
   * Tables
5. **Data Analysis**: The data was analyzed using Power BI features.

**Results**

* **Most In-Demand Jobs**: Data Engineer and Data Scientist.
* **Salaries**: Vary based on role, location, and company size.
* **Employee Distribution**: Most employees work in medium to large companies, with the United States having the highest concentration of employees.
* **Future Trends**: Increasing demand for machine learning and AI skills.

**Conclusions**  
The analysis results can be used for strategic decision-making in hiring and talent development, as well as identifying opportunities and challenges in the job market.

**Recommendations**

* **Develop Training Programs**: In machine learning and AI.
* **Attract Talent**: By offering financial and non-financial incentives.
* **Explore New Markets**: For hiring data science graduates.