**HR Employee Distribution Analysis Report**

**Summary:**

The Data we had used is obtained from the Kaggle. The HR Data contains over 22000 observations from the year 2000-2020. We are required to do the employee distribution analysis with help of SQL and Power BI.

**Findings:**

* There are more men employees.
* White race is the most dominant while native Hawaiian and American Indian are the least dominant.
* The Youngest Employee is 20years old and the oldest is 57 years old.
* 5 age groups were created(18-24,25-34,35-44,45-54,55-64,65+). A Large number of employees work at the headquarters versus remotely.
* A Large number of employees work at the headquarters only.
* The average length of employment for the terminated employees is around 7 years.
* The gender distribution across departments is fairly balanced but there are generally more male than female employees.
* The Marketing department has the highest turnover rate followed by Training. The least turn-over rate are in the Research and development, Support and Legal departments.
* A large number of employees come from the state of Ohio.
* The net change in employees has increased over the years.
* The average tenure for each department is about 8 years with Legal and Auditing having the highest and Services, Sales and Marketing having the lowest.

**Limitations:**

* Some records had negative ages and these were excluded during querying (967 records). Ages used were 18 years and above.
* Some termdates were far into the future and were not included in the analysis (1599 records). The only term dates used were those less than or equal to the current date.