

# 📊 HR Attrition Dashboard – Power BI Project Summary

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## Project Overview

This HR Attrition Dashboard was created using Power BI to explore and analyse employee attrition patterns, performance indicators, and satisfaction metrics. It enables HR professionals to make informed decisions based on visual insights that reveal trends across departments, demographics, and job roles.

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## Key Metrics

- Total Employees: 1000
  - Total Attrition: 237
  - Attrition Rate: 16%
  - Key Attributes Analyzed:
    - Department
    - Job Role
    - Age Group
    - Gender
    - Travel Frequency
    - Environment Satisfaction
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## Key Insights

- High attrition observed in the **R&D department**
  - Younger age groups (age 20–30) show higher attrition
  - **Environment satisfaction** directly influences attrition
  - Job roles like **Sales Executive** are more prone to attrition
  - **Single employees** tend to leave more often than married ones
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## Visuals Used in the Dashboard

- **KPI Cards:**
  - Total Employees
  - Total Attrition
  - Attrition Rate (%)
- **Bar Charts:**
  - Department-wise attrition
  - Job Role attrition
  - Business Travel frequency

- **Line Chart:**
    - Age-wise attrition trend
  - **Pie Charts:**
    - Gender distribution
    - Marital status
  - **Column Chart:**
    - Environment satisfaction distribution
  - **Slicers:**
    - Department
    - Education Field
    - Gender
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## Design Style

The dashboard uses a modern **monochromatic dark theme** with smooth **teal gradient backgrounds**, and glowing **neon accent colors** like cyan and green to bring contrast. Visuals are arranged neatly with proper padding and hierarchy to ensure readability and impact. The typography is kept minimal and clean for a professional feel.

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## Issues Faced

- Fixing incorrect DAX logic for calculating total employees and attrition
  - Cleaning inconsistent or missing employee data
  - Difficulty blending chart background with the dashboard base color
  - Slicer interactions affecting chart integrity
  - Multiple attempts at DAX formatting for visual measures
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## Tools Used

- Power BI (Latest Version – 2025)
  - Cleaned CSV dataset (WA\_Fn-UseC-HR-Employee-Attrition\_cleaned.csv)
  - DAX Measures & Calculated Columns
  - Custom Chart Coloring, Layout Design, Grid Placement
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## GitHub Repository

🔗 <https://github.com/arunkumarvr10/hr-attrition-dashboard>

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## LinkedIn Post (To be added)

## Final Dashboard Preview

