Dashboards Buiding

With the given provided columns, you have a rich set of features that cover various aspects of employee information. Let's outline a detailed plan for building a dashboard using Power BI and Tableau based on these columns:

Power BI Dashboard:

1. Data Import:

- Load the dataset into Power BI using Power Query Editor.

2. Data Exploration:

- Explore data distributions, identify outliers, and handle missing values using Power BI tools.
- Create visuals such as histograms and box plots for numerical features like Age, Monthly Income, and Total Working Years.

3. Key Metrics:

- Develop visuals for key metrics like overall turnover rate, average job satisfaction, and average performance rating.
- Implement slicers for filtering data based on department, business travel frequency, and education level.

4. Descriptive Analytics:

- Generate reports showcasing reasons for attrition based on job satisfaction, work-life balance, and relationship satisfaction.
- Utilize cards and tables to display quantitative information on turnover by department, gender, and marital status.

5. Predictive Analytics with BI:

- Integrate a predictive model within Power BI to estimate the likelihood of turnover.
-

Visualize predictions using a line chart or a stacked bar chart, showing predicted turnover trends over time.

6. Real-time Integration:

- Explore Power BI's capabilities for real-time data integration if applicable.
- Connect to live data sources or schedule periodic updates to keep the dashboard current.

7. User Interaction:

- Implement tooltips, drillthroughs, and bookmarks for enhanced user interaction.
- Allow users to click on specific data points to see more detailed information about individual employees.

8. Dashboard Layout:

9. Publish and Share:

- Publish the Power BI dashboard to the Power BI service.
- Share the dashboard with relevant stakeholders, and ensure they have the necessary permissions.

Tableau Dashboard:

1. Data Connection:

- Connect Tableau to the dataset.

2. Data Exploration:

- Leverage Tableau's drag-and-drop interface to explore and clean the data.
- Create calculated fields for any additional metrics required for analysis.

3. Key Metrics:

- Create calculated fields for key metrics such as turnover rate, average job satisfaction, and performance ratings.
-

- Build visuals, such as KPIs and bar charts, to display these key metrics prominently.

4. Descriptive Analytics:

- Generate reports showcasing reasons for attrition based on job satisfaction, work-life balance, and relationship satisfaction.
- Use treemaps, heatmaps, or packed bubbles to show turnover patterns across different dimensions.

5. Predictive Analytics:

- Integrate the predictive model's results into Tableau for dynamic visualization.
- Utilize trend lines or forecast models to visualize predicted turnover trends.

6. Real-time Integration:

- Explore Tableau's options for real-time data connections if applicable.
- Connect to live data sources or schedule periodic updates to keep the dashboard current.

7. User Interaction:

- Implement filters, actions, and tooltips for enhanced user interaction.
- Create dashboards with multiple sheets that allow users to navigate through different aspects of the analysis.

8. Dashboard Layout:

- Design an intuitive layout with a focus on user experience.
- Utilize Tableau's layout containers and floating objects to organize and arrange visualizations logically.

9. Publish and Share:

- Publish the Tableau dashboard to Tableau Server or Tableau Online.
- Share the dashboard with stakeholders and provide them with appropriate access permissions.

Remember to adapt the dashboard design based on specific insights you want to highlight and the preferences of the end-users. Both Power BI and Tableau offer a wide range of visualization options to effectively communicate your findings.

Previous
Employee Attrition Analysis and Prediction

Next
Resources

Last updated 6 months ago