Personal Data Visualization Project

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Selected Dataset :

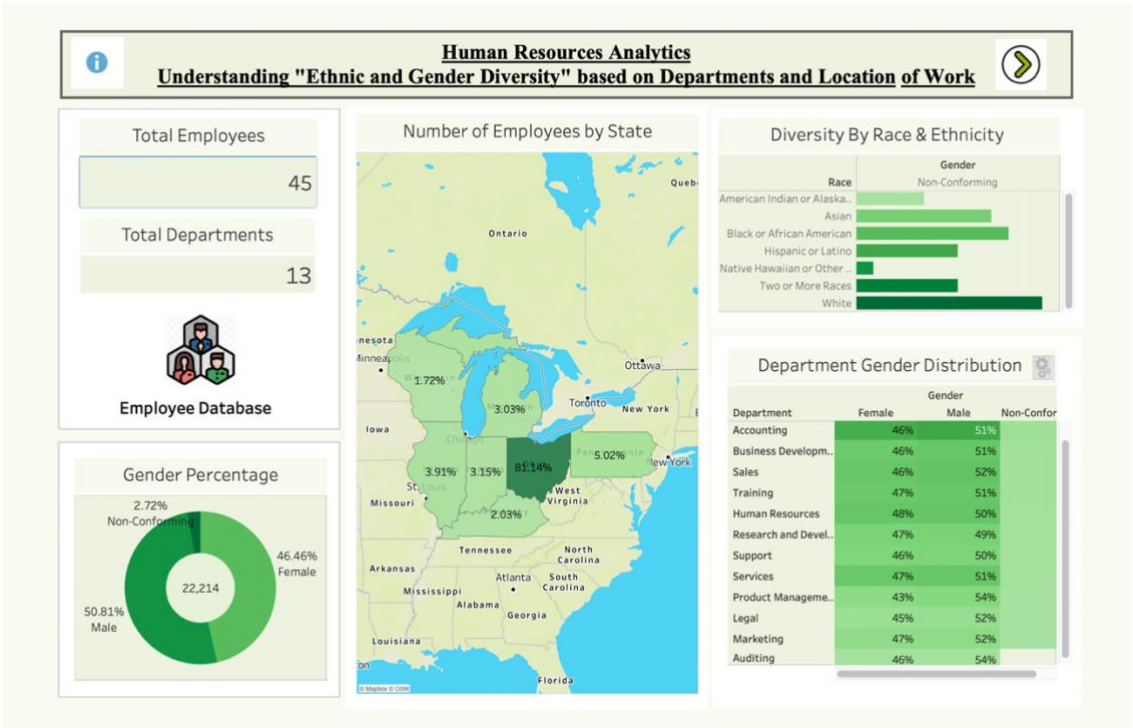> o   Human Resources Dataset

1. Overview:

> o   *The purpose of the following dashboard is to explore the diversity of different ethnic groups corelated with their departments and turnover over the years.*

Dashboard Description – First dashboard

Summary

> o   *The goal of the following dashboard is to provide user with detailed dissemination of ethnic group based on their geographic locality and their gender representation in the company.*

Screenshot(s)

Component description

o *The user sees snippet of the company's human resource with total number of active employees and the number of departments. Moreover, mapping tool is used to enhance the user experience to explore percentage of employee currently within each state and cities. Furthermore, use of bar charts and pie charts to make the visualization of race and gender elementary for the user.*
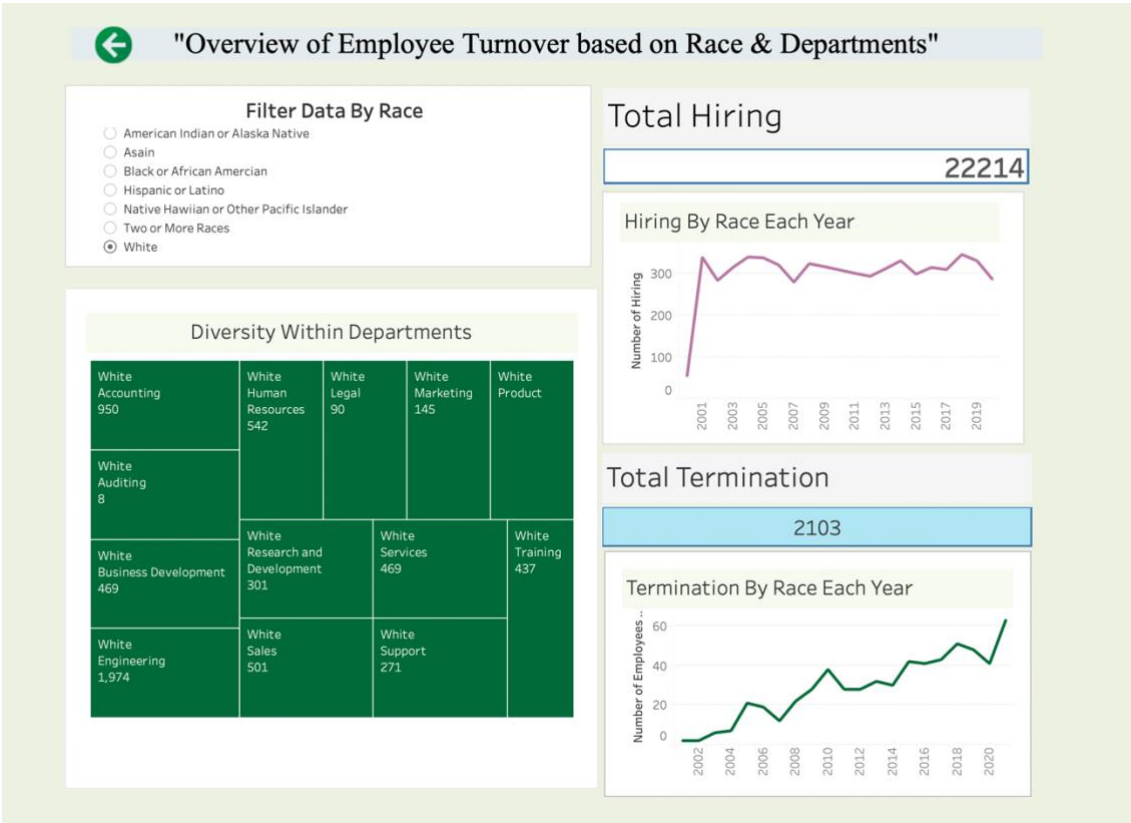
Functionality / Interactivity

o *Geographical mobility of employees mapped down with visual tooltip to scrutinize dissemination of employees within cities.*
o *Gender breakdown filtered by drill down to see further analysis regarding the race of each sex within the department.*
o *Information icon to guide about years which were taken in consideration and the filter down option which will pop up while hovering on the dashboard.*
o *Employee Database icon that navigates you to relevant database of employees used to create this correlation.*

Dashboard Description – Second dashboard

Summary

The aim of this dashboard is to represent employee turnover based on their race each year and to provide headcount of each ethnic group working in the department. The purpose is to provide user with the hiring and termination trends of each group and their transitions in each department.
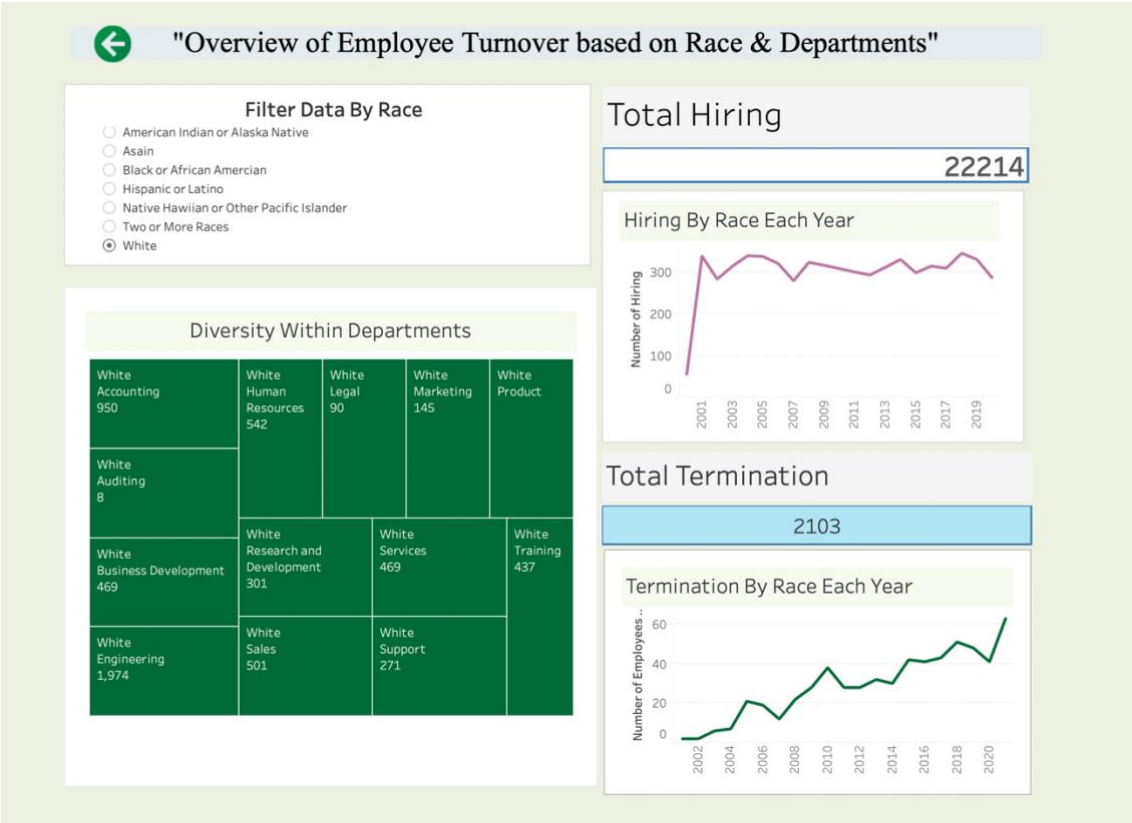
Screenshot(s)

Component description

- o *The user will see the total number of hiring and termination visualize by use of line graphs. Moreover, use of tree diagram to show the headcount of each race in each department. The dashboard also provide user with parameter to drill-down the count and turnover trend of each ethnic group, making it accessible for them to derive to conclusion. For example, it shows that despite white race accounts for highest number of hires but at the same time the number of terminations within this group was highest as well.*

Functionality / Interactivity

- o *Employee Turnover with advance interaction with parameter to understand the turnover within each race.*
- o *Line graph was used to understand the trend of turnover between multi-ethnic group set.*
- o *Use of Tree diagram to illustrate ethnic diversity group with labels to highlight percentage within each department.*

Dashboard Description – Third dashboard

Summary
- *This is dashboard helps the user to access the complete details of individual employees with filtering option at the top of the table*

Screenshot(s)

Component description
- Excel sheet depicting filtered and clean data with their employment status and personal details.

Functionality / Interactivity
- Use of navigation button to take you to the first dashboard and filtering option to see the each employee based on their race.