

Personal Data Visualization Project

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Selected Dataset :

- Human Resources Dataset

1. Overview:

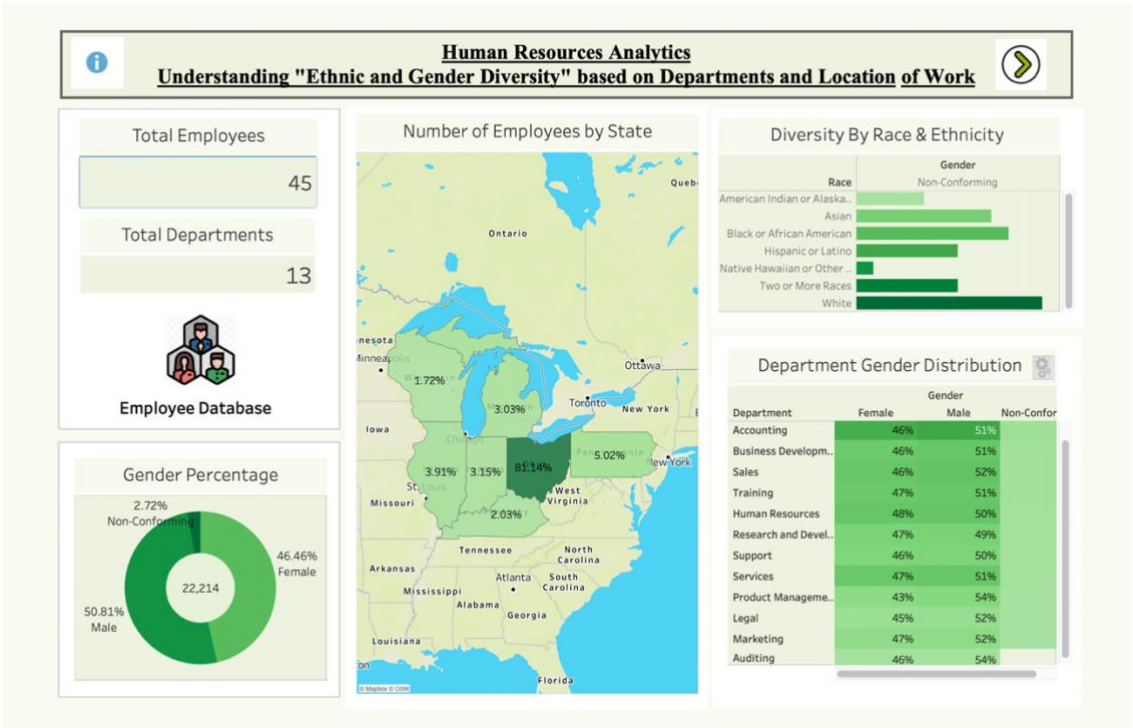
- The purpose of the following dashboard is to explore the diversity of different ethnic groups corelated with their departments and turnover over the years.

Dashboard Description – First dashboard

Summary

- 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

- 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

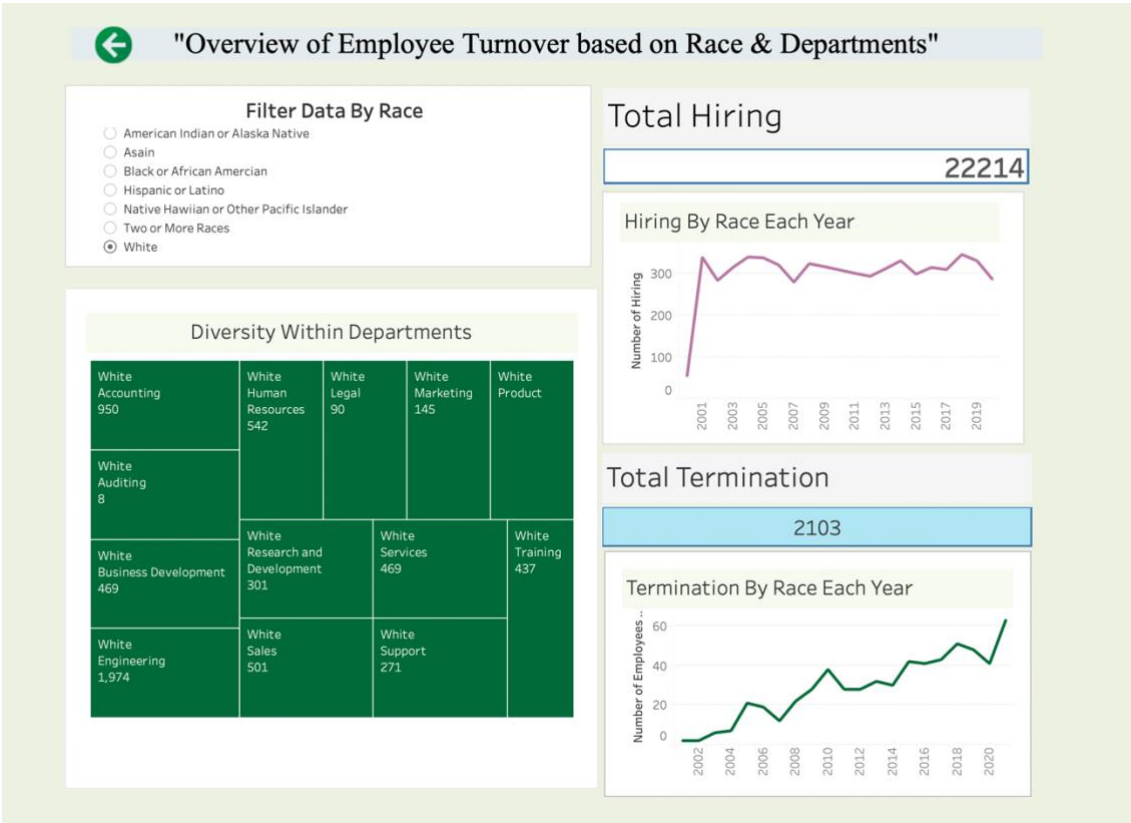
- Geographical mobility of employees mapped down with visual tooltip to scrutinize dissemination of employees within cities.
- Gender breakdown filtered by drill down to see further analysis regarding the race of each sex within the department.
- Information icon to guide about years which were taken in consideration and the filter down option which will pop up while hovering on the dashboard.
- 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)

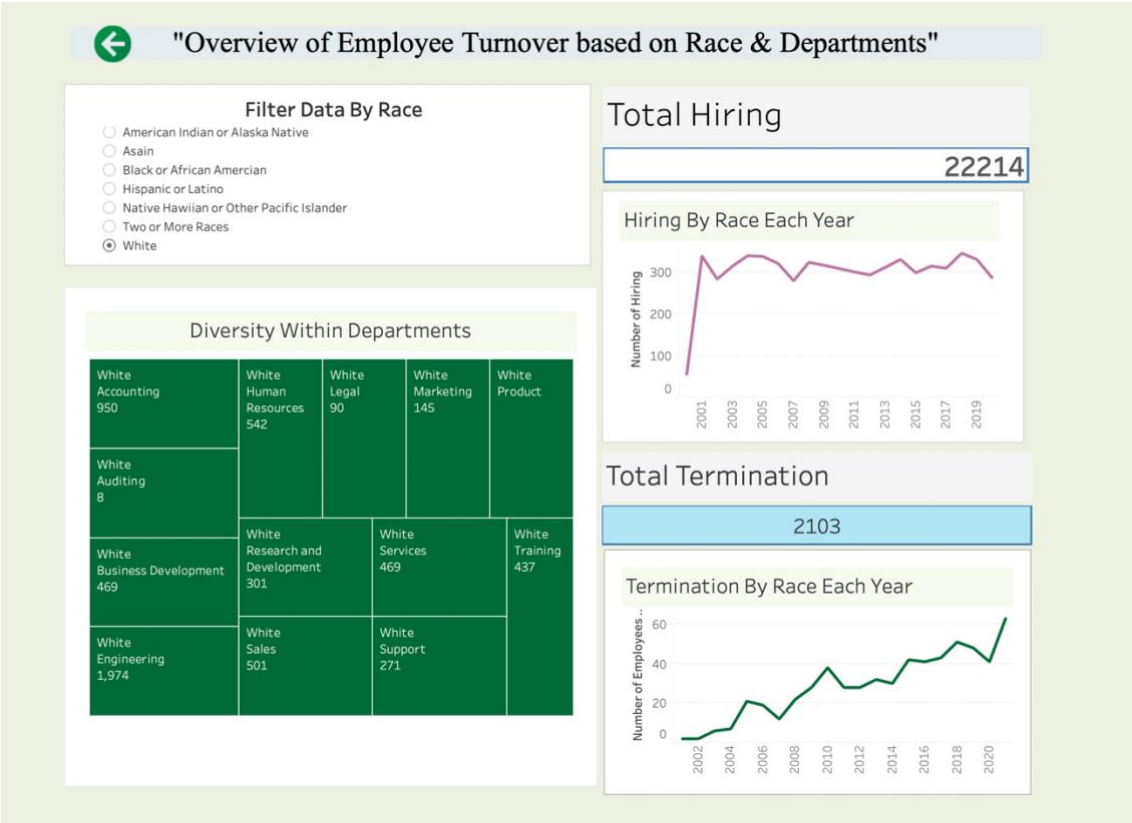


Component description

- 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

- Employee Turnover with advance interaction with parameter to understand the turnover within each race.
- Line graph was used to understand the trend of turnover between multi-ethnic group set.
- 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)



Employee Database							
Id	Employee_Na..	Jobtitle	Department	Race	Location	Year of Hire..	Employee...
00-0037846	Kimmy Walczy..	Programmer Analyst I	Engineering	Hispanic or Latino	Headquarters	2002	Active
00-0041533	Ignatius Spring..	Business Analyst	Business Development	White	Headquarters	2019	Active
00-0045747	Corbie Bittlest..	Solutions Engineer Mana..	Sales	Black or African American	Headquarters	2010	Active
00-0055274	Baxy Matton	Service Tech	Services	White	Headquarters	2005	Active
00-0076100	Terrell Suff	Business Analyst	Product Management	Two or More Races	Remote	2010	Active
00-0116166	Kacie Offiler	Developer III	Engineering	Asian	Headquarters	2018	Active
00-0363185	Sandro Admans	Quality Engineer	Product Management	Two or More Races	Headquarters	2012	Active
00-0380704	Eugene Lehraha..	Developer I	Engineering	Black or African American	Headquarters	2007	Active
00-0381660	Wain Eugene Lehrahan	Systems Develo..	Engineering	Asian	Headquarters	2001	Terminated
00-0419202	Dyaniroung	Developer I	Engineering	Two or More Races	Headquarters	2005	Active
00-0472287	Grantley Oret	Service Tech II	Services	Two or More Races	Headquarters	2004	Active
00-0472832	Elmore Worner	Business Systems Develo..	Engineering	White	Headquarters	2000	Active
00-0566380	Dud Brain	Business Analyst	Business Development	Two or More Races	Headquarters	2008	Active
00-0571075	Ague Conford	Research Assistant II	Business Development	White	Headquarters	2015	Active
00-0624189	Katerina Rosbo..	Analyst Programmer	Engineering	Hispanic or Latino	Headquarters	2019	Active
00-0715212	Alida Longley	Staff Accountant III	Accounting	American Indian or Alaska..	Headquarters	2002	Active
00-0755645	Laraine Petre	Software Engineer I	Engineering	White	Headquarters	2010	Active
00-0778934	Gareth MacCook	Senior Attorney	Legal	Black or African American	Remote	2010	Active
00-0794247	Scottie Chestn..	Data Visualization Special..	Engineering	Black or African American	Headquarters	2002	Active
00-0948136	Christophorus ..	Senior Editor	Marketing	Two or More Races	Headquarters	2007	Active
00-0971612	Arleyne Froomo	Software Consultant	Engineering	Two or More Races	Headquarters	2015	Active
00-1051096	Todd Cashen	Financial Analyst	Accounting	White	Remote	2014	Active
00-1052230	Elmo McNee	Service Manager	Services	Black or African American	Headquarters	2002	Terminated
00-1100714	Regen Nafzger	Senior Recruiter	Human Resources	White	Headquarters	2016	Active
00-1147503	Penelope Wen..	Research Assistant II	Business Development	White	Headquarters	2019	Active
00-1189819	Rudolf Reichar..	Business Analyst	Business Development	Black or African American	Remote	2007	Active
00-1222963	Tobiah Fruchon	Service Tech II	Services	Asian	Headquarters	2011	Active
00-1268049	Fay Monnelly	Software Engineer I	Engineering	Native Hawaiian or Other ..	Headquarters	2010	Active
00-1277358	Lola Burrells	Senior Recruiter	Human Resources	Black or African American	Remote	2008	Active
00-1284831	Hamel Edgeler	HR Manager	Human Resources	Two or More Races	Headquarters	2001	Terminated
00-1331085	Shalne Berntss..	Research Assistant II	Business Development	Hispanic or Latino	Headquarters	2008	Active
00-1418617	Nefen Russan	Trainer III	Training	Two or More Races	Headquarters	2007	Active

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.