EDA - Exploratory Data Analytics

Date	10 November 2022
Team ID	PNT2022TMID29044
Project Name	Project – Corporate Employee Attrition Analysis

Common Relationship between the given 3 datasets :
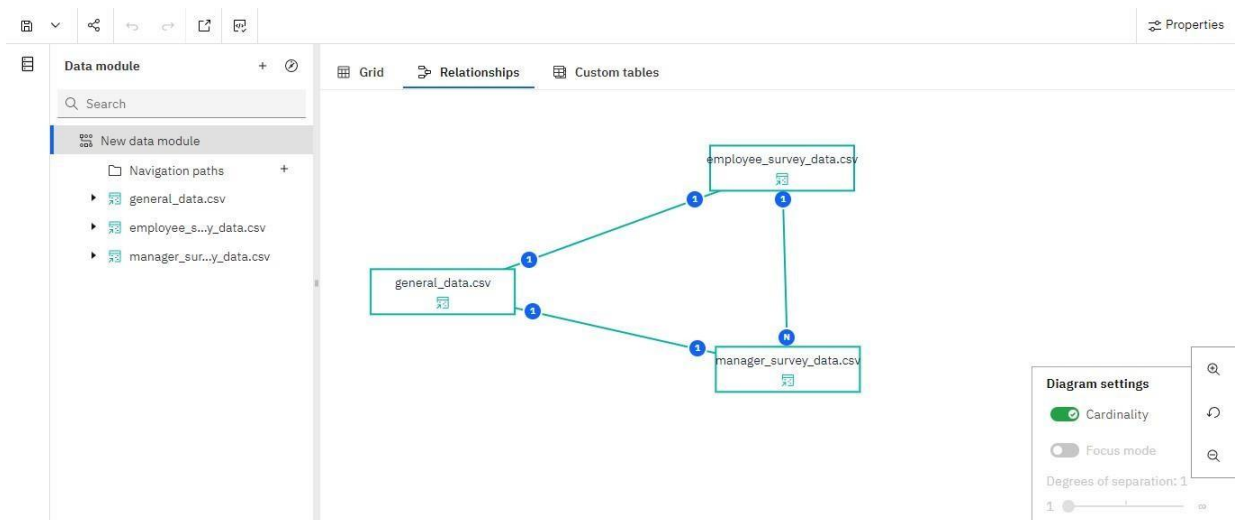
Explore – Data relationship
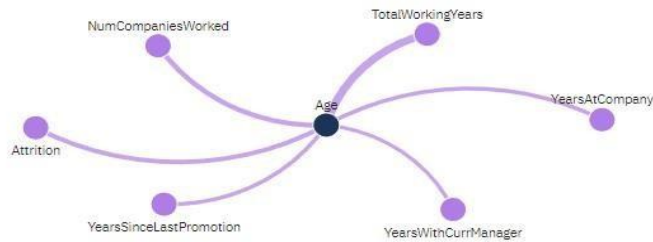
Age

Explore data relationships

Employee Attrition Data Preparation   Reset to original

🔍 Age   ✕   Edit diagram ⌄

- NumCompaniesWorked
- TotalWorkingYears
- Age
- YearsAtCompany
- Attrition
- YearsSinceLastPromotion
- YearsWithCurrManager

Relationship diagram ⓘ

10% ●━━━━●   100%

Select a visualization

Explore visualizations related to 'Age'

Age

36.924
Age

Add +
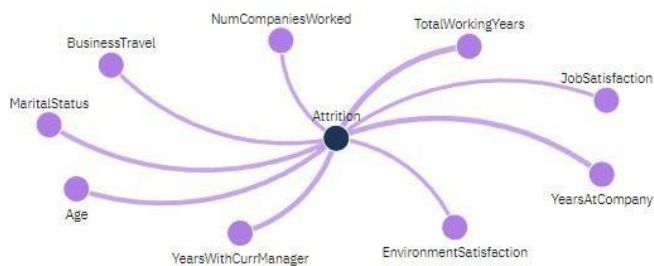
Age

Add +

Attrition

Explore data relationships

Employee Attrition Data Preparation   Reset to original

🔍 Attrition   ✕   Edit diagram ⌄

- NumCompaniesWorked
- BusinessTravel
- TotalWorkingYears
- JobSatisfaction
- MaritalStatus
- Attrition
- Age
- YearsAtCompany
- YearsWithCurrManager
- EnvironmentSatisfaction

Relationship diagram ⓘ

10% ●━━━●   100%

Select a visualization

Explore visualizations related to 'Attrition'

Attrition

Attrition
No
Yes

Add +

MonthlyIncome and YearsAtCompany by Attrition

Add +

Marital Status

Explore data relationships

Employee Attrition Data Preparation   Reset to original

🔍   MaritalStatus   ✕   Edit diagram ⌄

MaritalStatus

TotalWorkingYears

Attrition
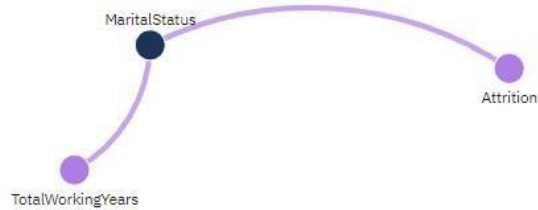
Relationship diagram ⓘ

10% ━●━━━━━━━━ 100%

Select a visualization

Explore visualizations related to 'MaritalStatus'
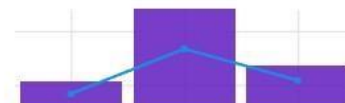
MaritalStatus

MaritalStatus
Divorced
Married

Add +

MonthlyIncome and
YearsSinceLastPromotion by MaritalSt...

Data Explorations

Attrition by Gender colored by Gender

Gender
● Female   ● Male
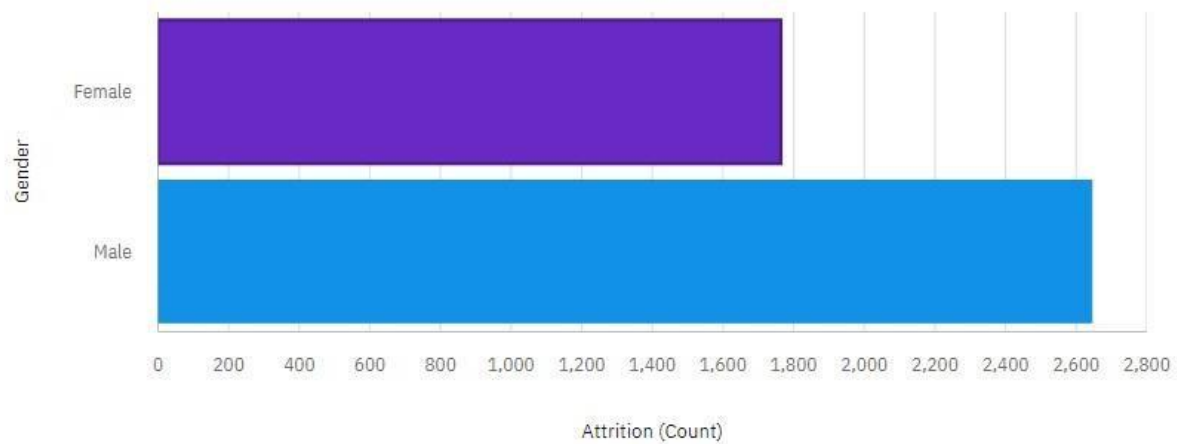
Attrition (Count)

MaritalStatus colored by MaritalStatus sized by Attrition

Attrition (Count di...

2 ————— 2

MaritalStatus
● Divorced ● Married ● Single
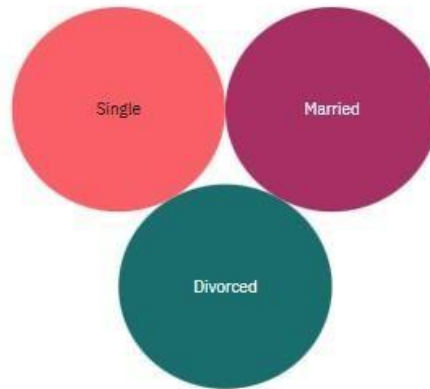
BusinessTravel colored by BusinessTravel sized by Attrition

Attrition (Count di...

2 ————— 2

BusinessTravel
● Non-Travel ● Travel_Frequently ● Travel_Rarely

Gender and DistanceFromHome with Attrition and Attrition for Attrition

Attrition (Count)

200 — 2,400

Attrition
● No ● Yes

DistanceFromHome (Count) vs Gender

	Female	Male

(Y-axis: DistanceFromHome (Count), values 0 to 2,500)
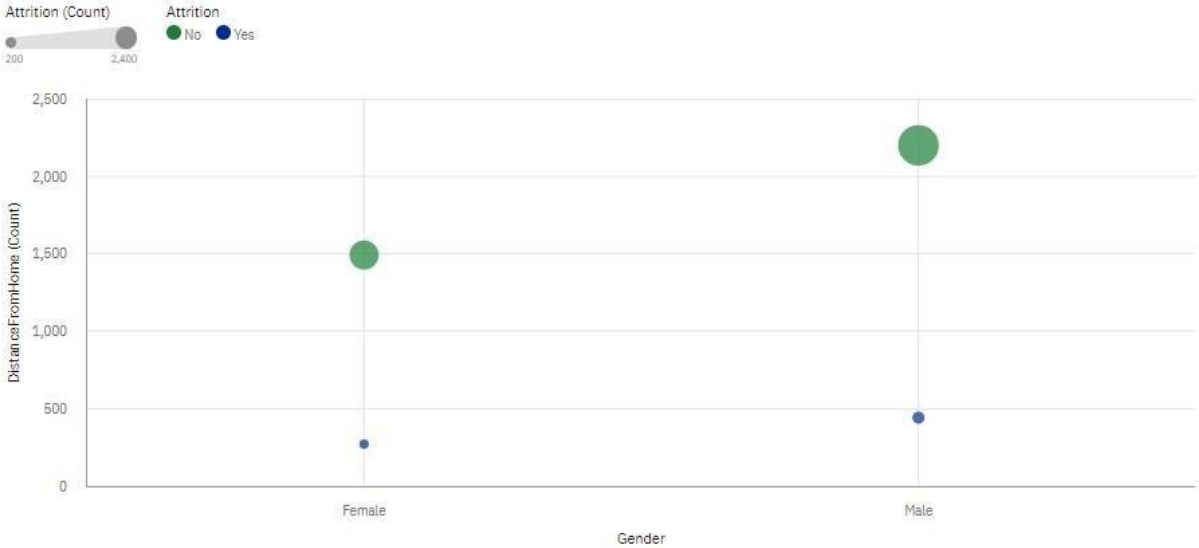
Chart A

Attrition by Department colored by Department

Department
● Human Resour...
● Research & De...
● Sales

(Horizontal bar chart — Department: Human Resources, Research & Development, Sales; X-axis: Attrition (Count), 0 to 3,000, marker at 1,536)

Chart B

Attrition by JobRole colored by JobRole

JobRole
● Healthcare Re...
● Human Resour...
● Laboratory Tec...
● Manager
● Manufacturing...
● Research Dire...
● Research Scie...
● Sales Executive
● Sales Represe...

(Bar chart — JobRole categories: Healt..., Human R..., Laborato..., Manager, Manufact..., Research..., Research..., Sal..., Sales Ex...; Y-axis: Attrition (Count))

Summary	Chart A : Attrition	Chart B : Attrition	Combined
Chart percent of data set	100%	100%	-
Chart percent displayed	50%	50%	-
Average	1,470	490	-
Chart total	4,410	4,410	-
Difference of chart totals			-