

PREPARING THE DATASET

Team ID	PNT2022TMID02953
Project Name	Corporate Employee Attrition Analysis
Maximum Marks	8 Marks

IBM Cognos Analytics with Watson

Create relationship

Table 1: general_data.csv

Table 2: employee_survey_data.csv

Match selected columns

StockOptionLevel	TotalWorkingYears	TrainingTimesLastYear	YearsAtCompany	YearsSinc...Promotion	YearsWith...rrManager	EmployeeID
0	1	6	1	0	0	1
1	6	3	5	1	4	2
3	5	2	5	0	3	3
3	13	5	8	7	5	4

Inner join, 1-to-many
No filtering

Matched columns (1)

IBM Cognos Analytics with Watson

Create relationship

Table 1: general_data.csv

Table 2: manager_survey_data.csv

Match selected columns

StockOptionLevel	TotalWorkingYears	TrainingTimesLastYear	YearsAtCompany	YearsSinc...Promotion	YearsWith...rrManager	EmployeeID
0	1	6	1	0	0	1
1	6	3	5	1	4	2
3	5	2	5	0	3	3
3	13	5	8	7	5	4

Inner join, 1-to-many
No filtering

Matched columns (1)

IBM Cognos Analytics with Watson

Create relationship

Table 1

employee_survey_data.csv

Search

- # Row Id
- # EmployeeID
- EnvironmentSatisfaction
- JobSatisfaction
- WorkLifeBalance

Table 2

manager_survey_data.csv

Search

- # Row Id
- # EmployeeID
- JobInvolvement

Match selected columns

Row Id	Environmen...isfaction	JobSatisfaction	WorkLifeBalance	EmployeeID	Row Id	JobInvolvement	PerformanceRating
1	3	4	2	1	1	3	3
2	3	2	4	2	2	2	4
3	2	2	1	3	3	3	3
4	4	4	3	4	4	2	3

Inner join, 1-to-many
No filtering

Matched columns (1)

IBM Cognos Analytics with Watson

Create relationship

Table 1

manager_survey_data.csv

Search

- # Row Id
- # EmployeeID
- JobInvolvement

Table 2

employee_survey_data.csv

Search

- # Row Id
- # EmployeeID
- EnvironmentSatisfaction
- JobSatisfaction
- WorkLifeBalance

Match selected columns

Row Id	JobInvolvement	PerformanceRating	EmployeeID	Row Id	Environmen...isfaction	JobSatisfaction	WorkLifeE
1	3	3	1	1	3	4	2
2	2	4	2	2	3	2	4
3	3	3	3	3	2	2	1
4	2	3	4	4	4	4	3

Inner join, 1-to-many
No filtering

Matched columns (1)

IBM Cognos Analytics with Watson

Edit relationship

Table 1: employee_survey_data.csv

Table 2: general_data.csv

Match selected columns

Row Id	Environmen...isfaction	JobSatisfaction	WorkLifeBalance	EmployeeID	Row Id	Age	Attrition
1	3	4	2	1	1	51	No
2	3	2	4	2	2	31	Yes
3	2	2	1	3	3	32	No
4	4	4	3	4	4	38	No

Inner join, Many-to-1
No filtering

Matched columns (1)

IBM Cognos Analytics with Watson

Edit relationship

Table 1: manager_survey_data.csv

Table 2: general_data.csv

Match selected columns

Row Id	JobInvolvement	PerformanceRating	EmployeeID	Row Id	Age	Attrition	BusinessT
1	3	3	1	1	51	No	Travel_I
2	2	4	2	2	31	Yes	Travel_I
3	3	3	3	3	32	No	Travel_I
4	2	3	4	4	38	No	Non-Tra

Inner join, Many-to-1
No filtering

Matched columns (1)

