

Netaji Subhas University of Technology

A STATE UNIVERSITY UNDER DELHI ACT 06 OF 2018, GOVT. OF NCT OF DELHI

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Power BI

Computer Hardware & Software

(COCSC19)

SEMESTER 6

CSE - 02

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1. Explore Power View, Power Query

Create a table Employee(empid, gender, department, salary, country, year_of_joining)

country	department	empid	gender	salary	year_of_joining
Canada	Research	6	F	65000	2020
China		7	M	50000	2017
India		1	M	45000	2019
India		2	F	50000	2020
India	IT	3	M	60000	2018
India	Sales	8	F	48000	2021
UK	Finance	5	M	55000	2019
UK	IT	10	F	58000	2020
USA	HR	4		40000	2021
USA	Marketing	9		52000	2019

Remove missing gender and department values.

	empid	gender	department	salary	country	year_of_joining
1	3	M	IT	60000	India	2018
2	5	M	Finance	55000	UK	2019
3	6	F	Research	65000	Canada	2020
4	8	F	Sales	48000	India	2021
5	10	F	IT	58000	UK	2020

Extract year_of_joining column

	1 ² 3 year_of_joining
1	2018
2	2019
3	2020
4	2021
5	2020

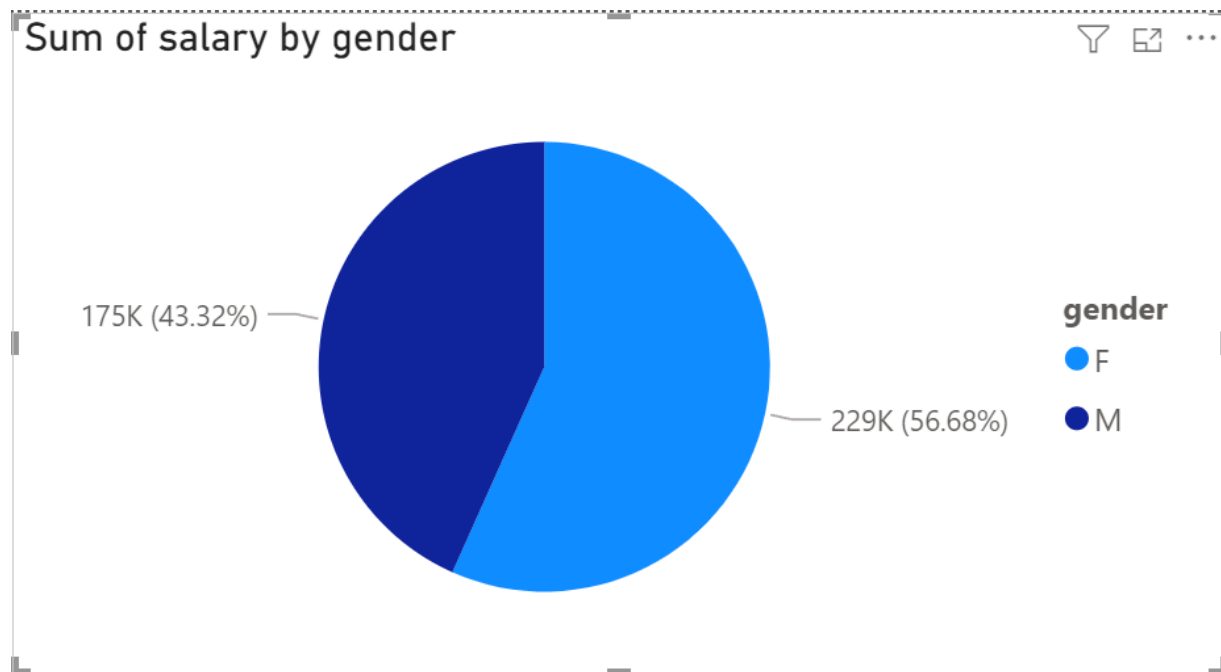
visualize number of employees w.r.t year of experience in the company

	1 ² 3 empid	ABC 123 years_of_experience
1	3	6
2	5	5
3	6	4
4	8	3
5	10	4

Perform self-join using Power Query.

country	department	empid	gender	salary	year_of_joining	Added Custom.department	Added Custom.empid	years_of_experience
Canada	Research	6	F	65000	2020	Research	6	4
India	IT	3	M	60000	2018	IT	3	6
India	IT	3	M	60000	2018	IT	10	6
India	Sales	8	F	48000	2021	Sales	8	3
UK	Finance	5	M	55000	2019	Finance	5	5
UK	IT	10	F	58000	2020	IT	3	4
UK	IT	10	F	58000	2020	IT	10	4

Aggregate salary with gender



2. Visualize the result of any Machine Learning algorithm on any dataset of your choice in PowerBI.

Dataset:

Movie_ID	Box_Office_Revenue	Audience_Rating
1	829	8.80
2	1515	8.10
3	224	7.70
4	2202	7.80
5	1005	9.00
6	446	8.00
7	1031	8.10
8	2788	7.80
9	1349	9.20
10	58	9.30

