

HR ANALYTICS DASHBOARD

Human Resources

Research & Development

Sales

Count of Employees

4410

Attrition

711

Attrition Rate

16.1%

Average Age

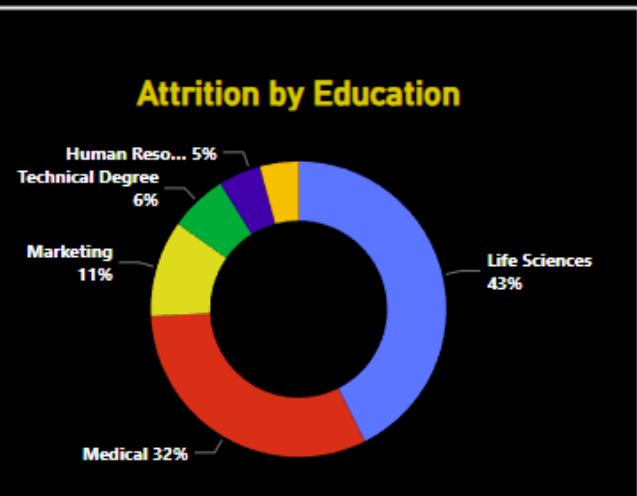
37

Average Salary

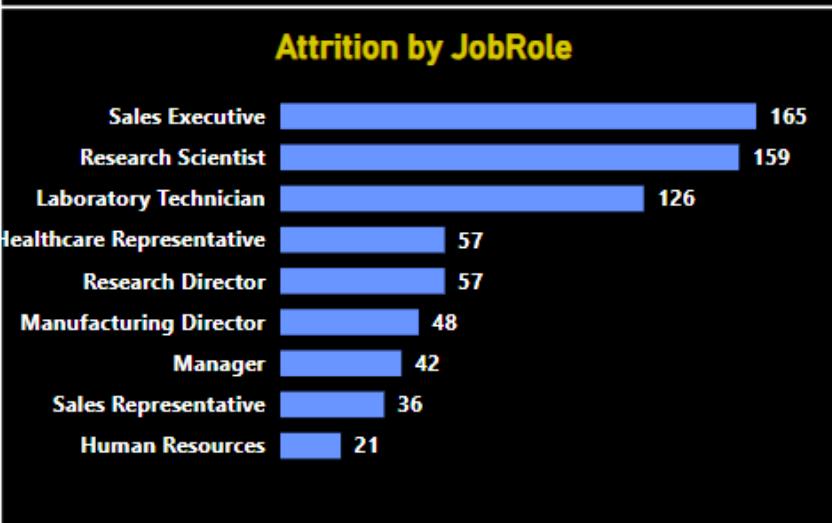
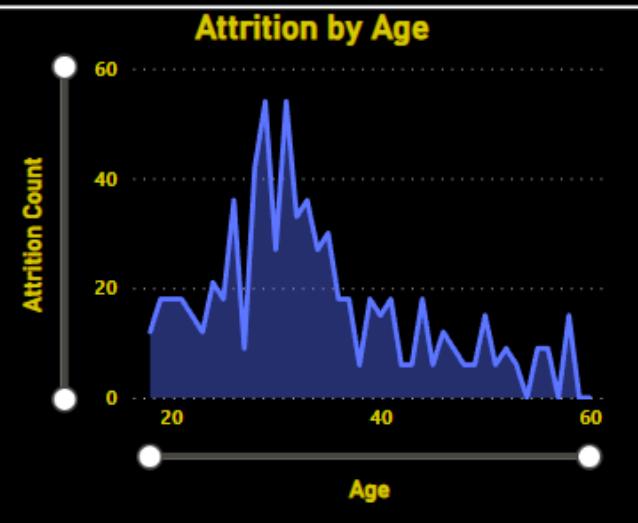
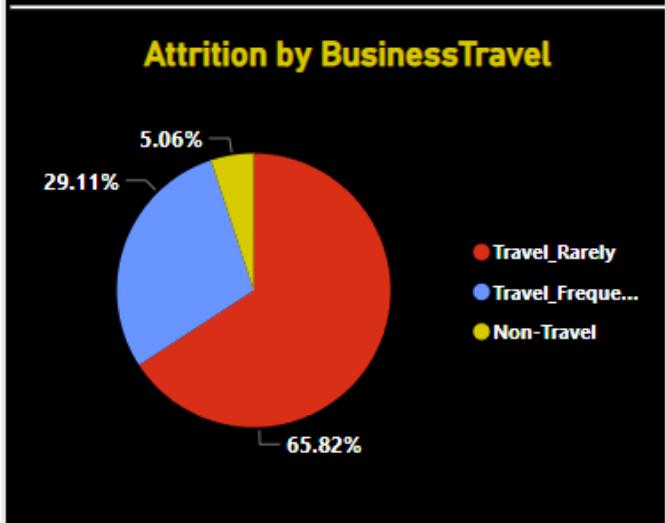
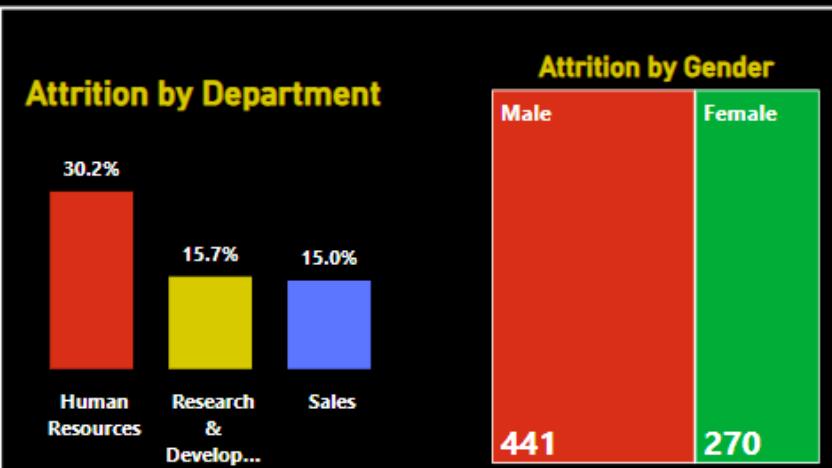
65.0K

Average Years

7.0



JobRole	0	1	2	3	4	Total
Sales Representative	0	12	3	9	12	36
Sales Executive	0	27	24	72	42	165
Research Scientist	0	48	48	33	30	159
Research Director	0	18	3	27	9	57
Manufacturing Director	0	21	9	3	15	48
Manager	1	11	3	15	12	42
Laboratory Technician	0	36	36	36	18	126
Total	1	197	138	219	156	711



File

Home

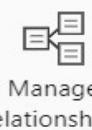
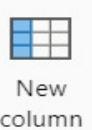
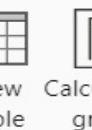
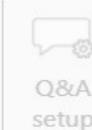
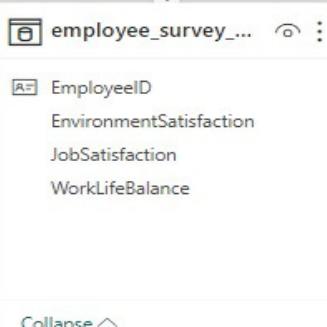
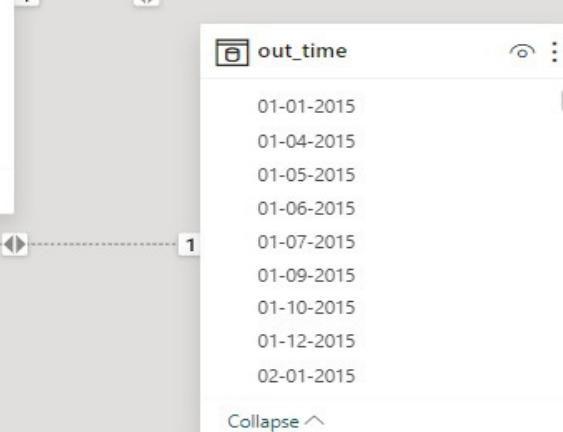
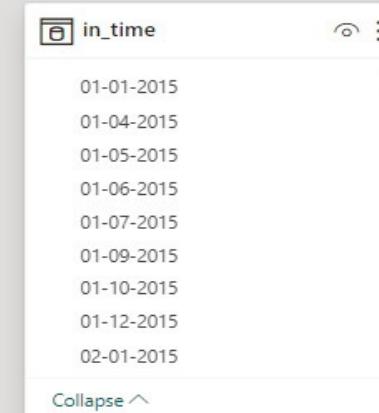
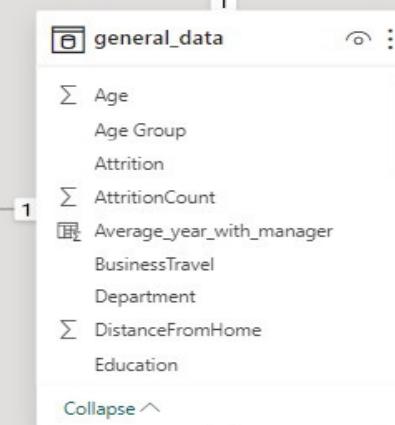
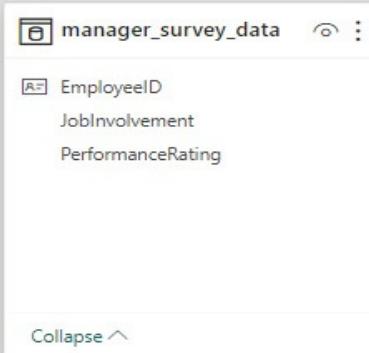
Help



Clipboard



Data

Transform data
QueriesManage
Relationships
RelationshipsNew
measure columnNew
tableCalculation
groupManage
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All tables



1. Using Excel, how would you filter the dataset to only show employees aged 30 and above?

We will first apply filter from Home Tab then by using Number filters we will select ages that are greater than equal to .

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	Age	AgeGroup	Attrition	BusinessTravel	Department	DistanceFromH	Education	EducationField	EmployeeCount	EmployeeID	Gender	JobLevel	JobRole	MaritalStatus	MonthlyIncome	Salary slab
2	51	46-55	No	Travel_Rarely	Sales	6	2	Life Sciences	1	1	Female	1	Healthcare Rep	Married	131160	120K - 160K
3	31	26-35	Yes	Travel_Frequent	Research & Dev	10	1	Life Sciences	1	2	Female	1	Research Scientist	Single	41890	40K - 80K
4	32	26-35	No	Travel_Frequent	Research & Dev	17	4	Other	1	3	Male	4	Sales Executive	Married	193280	160K+
5	38	36-45	No	Non-Travel	Research & Dev	2	5	Life Sciences	1	4	Male	3	Human Resources	Married	83210	80K - 120K
6	32	26-35	No	Travel_Rarely	Research & Dev	10	1	Medical	1	5	Male	1	Sales Executive	Single	23420	10K - 40 K
7	46	46-55	No	Travel_Rarely	Research & Dev	8	3	Life Sciences	1	6	Female	4	Research Director	Married	40710	40K - 80K
10	31	26-35	No	Travel_Rarely	Research & Dev	1	3	Life Sciences	1	9	Male	3	Laboratory Technician	Married	20440	10K - 40 K
12	45	36-45	No	Travel_Rarely	Research & Dev	17	2	Medical	1	11	Male	2	Laboratory Technician	Married	79910	40K - 80K
13	36	36-45	No	Travel_Rarely	Research & Dev	28	1	Life Sciences	1	12	Male	1	Laboratory Technician	Married	33770	10K - 40 K
14	55	46-55	No	Travel_Rarely	Research & Dev	14	4	Life Sciences	1	13	Female	1	Sales Executive	Single	55380	40K - 80K
15	47	46-55	Yes	Non-Travel	Research & Dev	1	1	Medical	1	14	Male	1	Research Scientist	Married	57620	40K - 80K
17	37	36-45	No	Travel_Rarely	Research & Dev	1	3	Life Sciences	1	16	Male	2	Healthcare Rep	Married	53460	40K - 80K
19	37	36-45	No	Non-Travel	Research & Dev	1	3	Medical	1	18	Male	2	Sales Executive	Divorced	41270	40K - 80K
20	35	26-35	No	Travel_Rarely	Sales	7	4	Life Sciences	1	19	Male	1	Sales Representative	Divorced	24380	10K - 40 K
21	38	36-45	No	Travel_Rarely	Research & Dev	8	3	Life Sciences	1	20	Female	1	Manager	Divorced	68700	40K - 80K
23	50	46-55	No	Travel_Rarely	Sales	8	4	Life Sciences	1	22	Male	1	Research Scientist	Divorced	96670	80K - 120K
24	53	46-55	No	Travel_Rarely	Research & Dev	11	4	Life Sciences	1	23	Female	2	Research Scientist	Married	21480	10K - 40 K
25	42	36-45	No	Travel_Rarely	Research & Dev	4	4	Life Sciences	1	24	Male	1	Manufacturing Worker	Married	89260	80K - 120K
27	55	46-55	No	Travel_Rarely	Research & Dev	1	4	Other	1	26	Female	1	Research Scientist	Married	67990	40K - 80K
29	37	36-45	No	Travel_Rarely	Sales	5	1	Marketing	1	28	Male	1	Research Scientist	Single	27050	10K - 40 K
30	44	36-45	Yes	Travel_Frequent	Research & Dev	1	2	Medical	1	29	Male	2	Research Scientist	Divorced	103330	80K - 120K
31	38	36-45	No	Travel_Rarely	Sales	2	3	Marketing	1	30	Female	1	Manager	Divorced	44480	40K - 80K
34	49	46-55	No	Travel_Frequent	Research & Dev	1	1	Medical	1	33	Female	2	Research Scientist	Single	35910	10K - 40 K
35	36	36-45	No	Travel_Rarely	Sales	5	3	Technical Degree	1	34	Male	3	Sales Executive	Single	54050	40K - 80K
36	31	26-35	No	Travel_Frequent	Research & Dev	9	4	Medical	1	35	Male	1	Sales Executive	Divorced	46840	40K - 80K
38	37	36-45	No	Travel_Frequent	Sales	9	1	Marketing	1	37	Male	1	Laboratory Technician	Married	15140	10K - 40 K

2. Create a pivot table to summarize the average Monthly Income by Job Role?

The screenshot shows a Microsoft Excel interface with the following details:

- File**, **Home** (selected), **Insert**, **Page Layout**, **Formulas**, **Data**, **Review**, **View**, **Help**, **Tell me what you want to do**.
- Clipboard**: Cut, Copy, Paste, Format Painter.
- Font**: Calibri, Size 11, Bold (B), Italic (I), Underline (U), Font Color (A).
- Alignment**: Horizontal, Vertical, Wrap Text, Merge & Center.
- Number**: General, Percentage, Decimal.
- Conditional Formatting**, **Table**, **Cell Styles**.
- Insert**, **Delete**, **Format**.
- Editing**: AutoSum, Fill, Clear, Sort & Filter, Find & Select, Add-ins.

The spreadsheet contains the following data:

	Average of MonthlyIncome
Healthcare Representative	60984
Human Resources	58528
Laboratory Technician	66314
Manager	63396
Manufacturing Director	69184
Research Director	65473
Research Scientist	64976
Sales Executive	65187
Sales Representative	65371
Grand Total	65029

The "Row Labels" column is selected. The formula bar shows the formula for the current cell: `=AVERAGE(B4:B13)`. A green rectangular selection box is visible around the cell containing the value 69184.

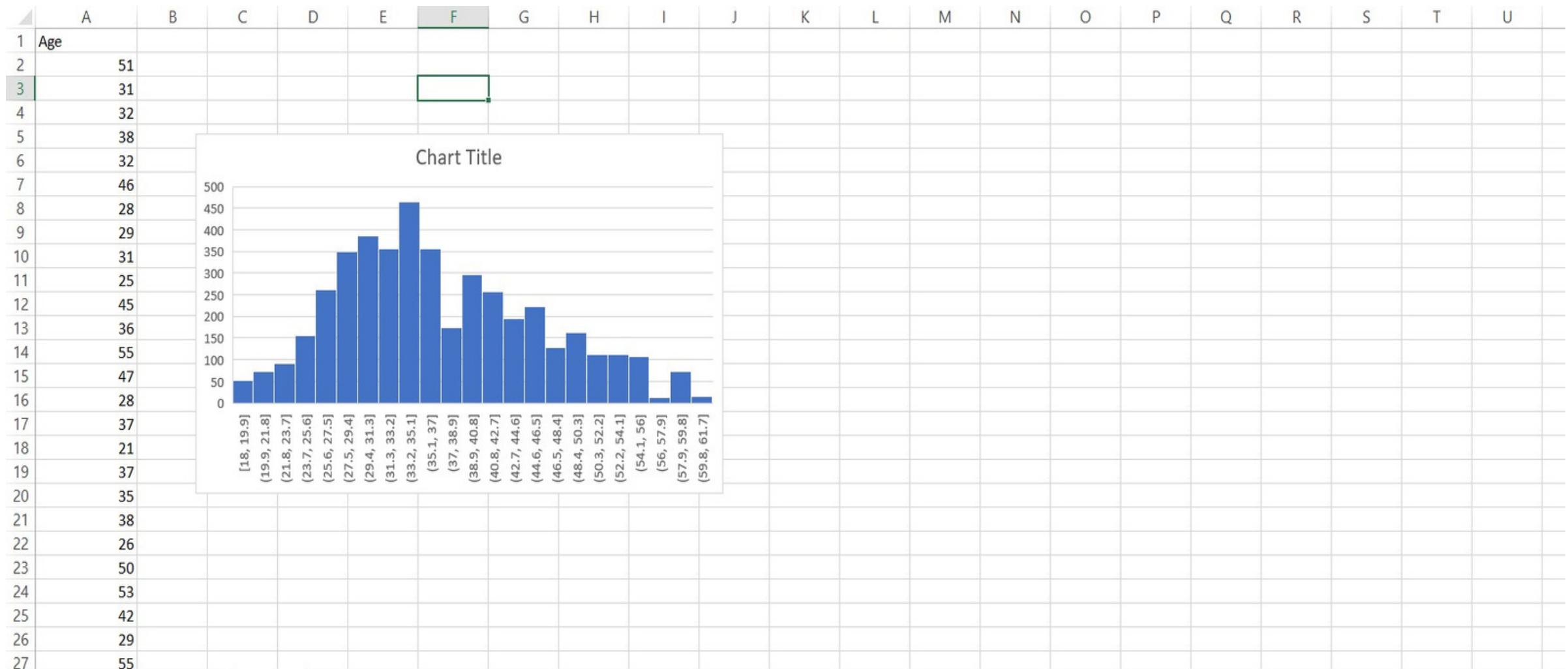
Sheet tabs: **Sheet3** (selected), **Sheet1**, **Sheet2**, **(+)**.

3. Apply conditional formatting to highlight employees with Monthly Income above the company's average income?

I	J	K	L	M	N	O	P	Q	R	S	T	U
EmployeeCount	EmployeeID	Gender	JobLevel	JobRole	MaritalStatus	MonthlyIncome	Salary slab	NumCompaniesOver18	PercentSalaryH	StandardHours	St	U
1	1	Female		1	Healthcare Rep	Married	131160	120K - 160K	1	Y	11	8
1	2	Female		1	Research Scientist	Single	41890	40K - 80K	0	Y	23	8
1	3	Male		4	Sales Executive	Married	193280	160K+	1	Y	15	8
1	4	Male		3	Human Resources	Married	83210	80K - 120K	3	Y	11	8
1	5	Male		1	Sales Executive	Single	23420	10K - 40 K	4	Y	12	8
1	6	Female		4	Research Director	Married	40710	40K - 80K	3	Y	13	8
1	7	Male		2	Sales Executive	Single	58130	40K - 80K	2	Y	20	8
1	8	Male		2	Sales Executive	Married	31430	10K - 40 K	2	Y	22	8
1	9	Male		3	Laboratory Technician	Married	20440	10K - 40 K	0	Y	21	8
1	10	Female		4	Laboratory Technician	Divorced	134640	120K - 160K	1	Y	13	8
1	11	Male		2	Laboratory Technician	Married	79910	40K - 80K	0	Y	13	8
1	12	Male		1	Laboratory Technician	Married	33770	10K - 40 K	0	Y	12	8
1	13	Female		1	Sales Executive	Single	55380	40K - 80K	0	Y	17	8
1	14	Male		1	Research Scientist	Married	57620	40K - 80K	1	Y	11	8
1	15	Male		1	Manufacturing	Married	25920	10K - 40 K	1	Y	14	8
1	16	Male		2	Healthcare Rep	Married	53460	40K - 80K	4	Y	11	8
1	17	Male		1	Laboratory Technician	Single	42130	40K - 80K	1	Y	12	8
1	18	Male		2	Sales Executive	Divorced	41270	40K - 80K	2	Y	13	8
1	19	Male		1	Sales Representative	Divorced	24380	10K - 40 K	7	Y	16	8
1	20	Female		1	Manager	Divorced	68700	40K - 80K	1	Y	11	8
1	21	Male		2	Laboratory Technician	Divorced	104470	80K - 120K	1	Y	18	8
1	22	Male		1	Research Scientist	Divorced	96670	80K - 120K	3	Y	23	8
1	23	Female		2	Research Scientist	Married	21480	10K - 40 K	3	Y	11	8
1	24	Male		1	Manufacturing	Married	89260	80K - 120K	1	Y	14	8
1	25	Male		1	Laboratory Technician	Single	65130	40K - 80K	1	Y	11	8
1	26	Female		1	Research Scientist	Married	67990	40K - 80K	3	Y	11	8

4. Create a bar chart in Excel to visualize the distribution of employee ages?

As we can see Distribution of Age Is kind of Normal Distribution.



5. Identify and clean any missing or inconsistent data in the "Department" column?

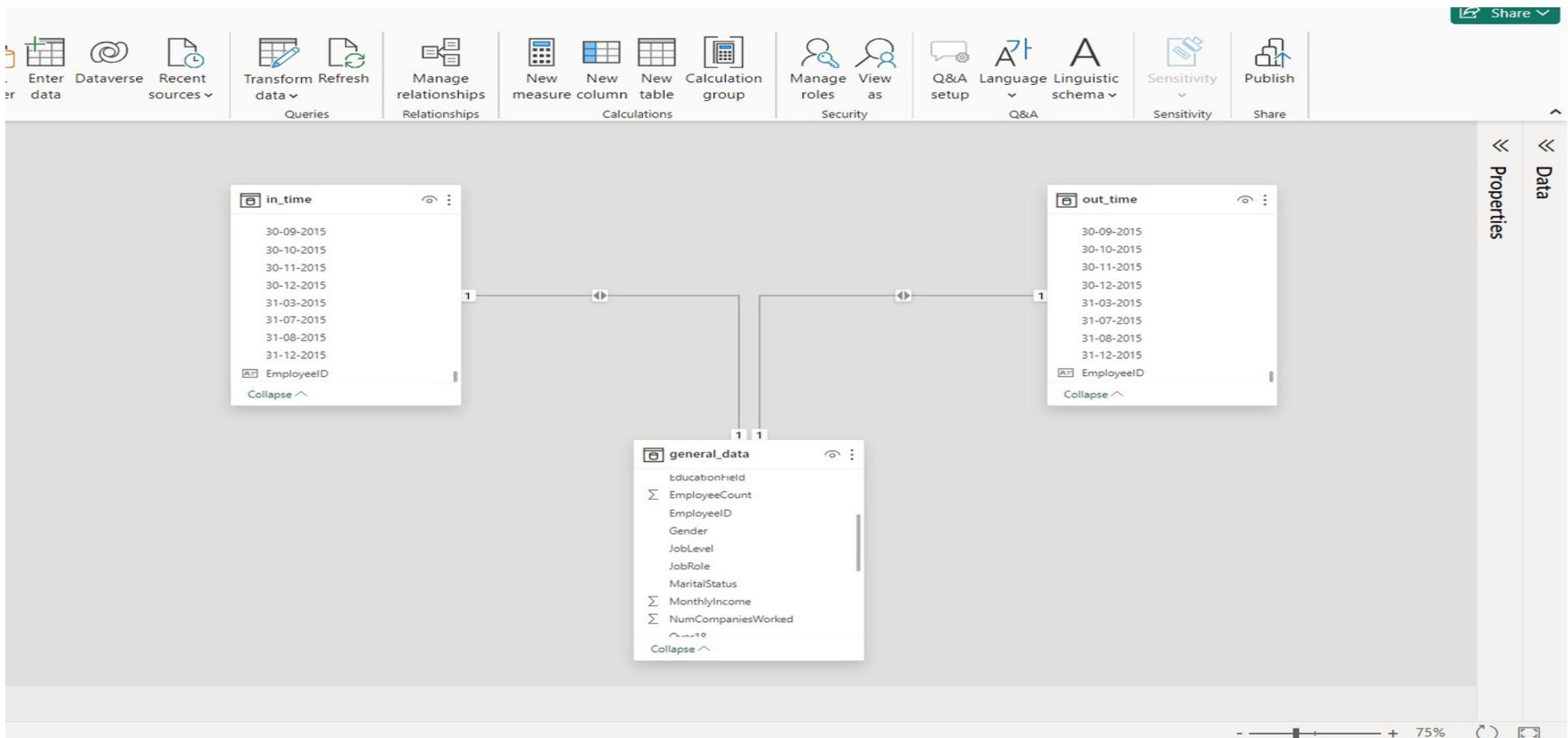
The Department Column does not contain any missing data.

The screenshot shows a portion of an Excel spreadsheet with the 'Department' column selected. A context menu is open over the selected cell, listing various filtering and sorting options. The 'Text Filters' option is expanded, showing a search bar and a list of department names: (Select All), Human Resources, Research & Development, and Sales. The 'OK' and 'Cancel' buttons are at the bottom of the filter menu.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		
1	Age	AgeGroup	Attrition	BusinessTravel	Department	DistanceFromH	Education	EducationField	EmployeeCount	EmployeeID	Gender	JobLevel	JobRole	MaritalStatus	MonthlyIncome	Salary slab	
2	51	46-55	N	A	Sort A to Z	6	2	Life Sciences	1	1	Female	1	Healthcare Rep	Married	131160	120K - 160K	
3	31	26-35	Y	Z	Sort Z to A	10	1	Life Sciences	1	2	Female	1	Research Scientist	Single	41890	40K - 80K	
4	32	26-35	N		Sort by Color	17	4	Other	1	3	Male	4	Sales Executive	Married	193280	160K+	
5	38	36-45	N			2	5	Life Sciences	1	4	Male	3	Human Resources	Married	83210	80K - 120K	
6	32	26-35	N			10	1	Medical	1	5	Male	1	Sales Executive	Single	23420	10K - 40 K	
7	46	46-55	N			8	3	Life Sciences	1	6	Female	4	Research Director	Married	40710	40K - 80K	
8	28	26-35	Y			11	2	Medical	1	7	Male	2	Sales Executive	Single	58130	40K - 80K	
9	29	26-35	N			18	3	Life Sciences	1	8	Male	2	Sales Executive	Married	31430	10K - 40 K	
10	31	26-35	N			1	3	Life Sciences	1	9	Male	3	Laboratory Technician	Married	20440	10K - 40 K	
11	25	18-25	N			7	4	Medical	1	10	Female	4	Laboratory Technician	Divorced	134640	120K - 160K	
12	45	36-45	N			17	2	Medical	1	11	Male	2	Laboratory Technician	Married	79910	40K - 80K	
13	36	36-45	N			28	1	Life Sciences	1	12	Male	1	Laboratory Technician	Married	33770	10K - 40 K	
14	55	46-55	N			14	4	Life Sciences	1	13	Female	1	Sales Executive	Single	55380	40K - 80K	
15	47	46-55	Y			1	1	Medical	1	14	Male	1	Research Scientist	Married	57620	40K - 80K	
16	28	26-35	N			1	3	Life Sciences	1	15	Male	1	Manufacturing	Married	25920	10K - 40 K	
17	37	36-45	N			1	3	Life Sciences	1	16	Male	2	Healthcare Rep	Married	53460	40K - 80K	
18	21	18-25	N			3	2	Life Sciences	1	17	Male	1	Laboratory Technician	Single	42130	40K - 80K	
19	37	36-45	N			1	3	Medical	1	18	Male	2	Sales Executive	Divorced	41270	40K - 80K	
20	35	26-35	N			7	4	Life Sciences	1	19	Male	1	Sales Representative	Divorced	24380	10K - 40 K	
21	38	36-45	N			8	3	Life Sciences	1	20	Female	1	Manager	Divorced	68700	40K - 80K	
22	26	26-35	N			1	4	Other	1	21	Male	2	Laboratory Technician	Divorced	104470	80K - 120K	
23	50	46-55	N			8	4	Life Sciences	1	22	Male	1	Research Scientist	Divorced	96670	80K - 120K	
24	53	46-55	No		Travel_Rarely	Research & Dev	11	4	Life Sciences	1	23	Female	2	Research Scientist	Married	21480	10K - 40 K
25	42	36-45	No		Travel_Rarely	Research & Dev	4	4	Life Sciences	1	24	Male	1	Manufacturing	Married	89260	80K - 120K
26	29	26-35	No		Travel_Frequent	Research & Dev	16	4	Medical	1	25	Male	1	Laboratory Technician	Single	65130	40K - 80K
27	55	46-55	No		Travel_Rarely	Research & Dev	1	4	Other	1	26	Female	1	Research Scientist	Married	67990	40K - 80K

6. In Power BI, establish a relationship between the "EmployeeID" in the employee data and the "EmployeeID" in the time tracking data?

In Model View we create one to one relationship between In_time and general_data and out_time



7. Using DAX, create a calculated column that calculates the average years an employee has spent with their current manager?

In Table View we will create new column using Add Column and then find the Average years with Current Manager.

DAX = Average_year_with_manager = AVERAGE('general_data'[YearsWithCurrManager])

Screenshot of Power BI Table View showing the creation of a calculated column named "Average_year_with_manager".

The calculated column formula is: `Average_year_with_manager = AVERAGE('general_data'[YearsWithCurrManager])`

The table contains the following columns:

StockOptionLevel	TotalWorkingYears	TrainingTimesLastYear	YearsAtCompany	YearsSinceLastPromotion	YearsWithCurrManager	AttritionCount	Average_year_with_manager
3	1		3	1	0	1	4.12
3	0	1	3	1	0	0	4.12
3	0	1	3	1	0	1	4.12
3	3	1	2	1	0	0	4.12
3	2	1	2	1	0	1	4.12
3	1	1	5	1	0	0	4.12
3	1	1	5	1	0	0	4.12
3	0	1	1	1	0	0	4.12
3	0	1	3	1	0	1	4.12
3	0	1	3	1	0	1	4.12
3	1	1	2	1	0	1	4.12
3	1	1	4	1	0	0	4.12
3	0	1	3	1	0	0	4.12
3	0	1	2	1	0	1	4.12
3	0	1	6	1	0	0	4.12
3	1	1	2	1	0	1	4.12
3	1	1	2	1	0	1	4.12
3	1	1	3	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
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3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
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3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
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3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
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3	0	1	2	1	0	0	4.12
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3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
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3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
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3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
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3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4.12
3	2	1	2	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	1	1	3	1	0	0	4.12
3	1	1	2	1	0	0	4.12
3	2	1	3	1	0	1	4.12
3	0	1	2	1	0	0	4

8. Using Excel, create a pivot table that displays the count of employees in each Marital Status category, segmented by Department?

A B C D E F G H I J K L M N O P

1

2

3 Sum of EmployeeCount Column Labels ▾

4 Row Labels ▾ Divorced Married Single Grand Total

5 Human Resources 21 96 72 189

6 Research & Development 621 1350 912 2883

7 Sales 339 573 426 1338

8 Grand Total 981 2019 1410 4410

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

PivotTable Fields

Choose fields to add to report:

emplo X

EmployeeCount

EmployeeID

More Tables...

Drag fields between areas below:

Filters Columns

MaritalStatus

Rows Values

Department Sum of EmployeeCount

Defer Layout Update

Update

Sheet3 Sheet5 Sheet1 Sheet4 Sheet2 +

9. Apply conditional formatting to highlight employees with both above-average Monthly Income and above-average Job Satisfaction?

The screenshot shows an Excel spreadsheet with the following data:

EmployeeID	MonthlyIncome	JobSatisfaction
1	131160	4
2	41890	2
3	193280	2
4	83210	4
5	23420	1
6	40710	2
7	58130	3
8	31430	2
9	20440	4
10	134640	1
11	79910	4
12	33770	4
13	55380	1
14	57620	2
15	25920	4
16	53460	4
17	42130	3
18	41270	4
19	24380	2
20	68700	1
21	104470	2
22	96670	2
23	21480	3
24	89260	3
25	65130	4
26	67990	4

Conditional formatting has been applied to highlight rows where both the monthly income and job satisfaction are above average. The average values are displayed in cells I2 and J2:

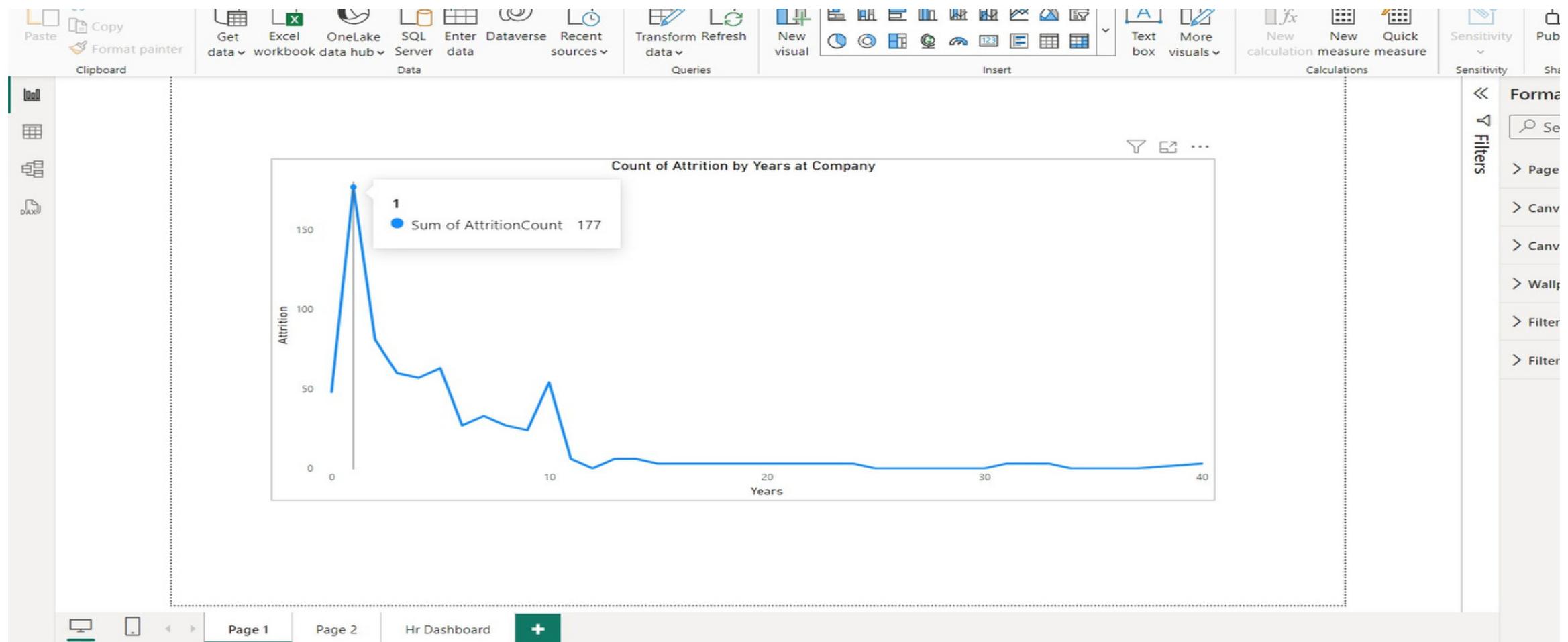
- Average Job Satisfaction: 2.728246014
- Average Monthly Income: 65029.31293

The Excel ribbon at the top shows the following tabs: Format Painter, Clipboard, Font, Alignment, Number, Styles, Cells, Clear, Filter, Select, Editing, Add-ins.

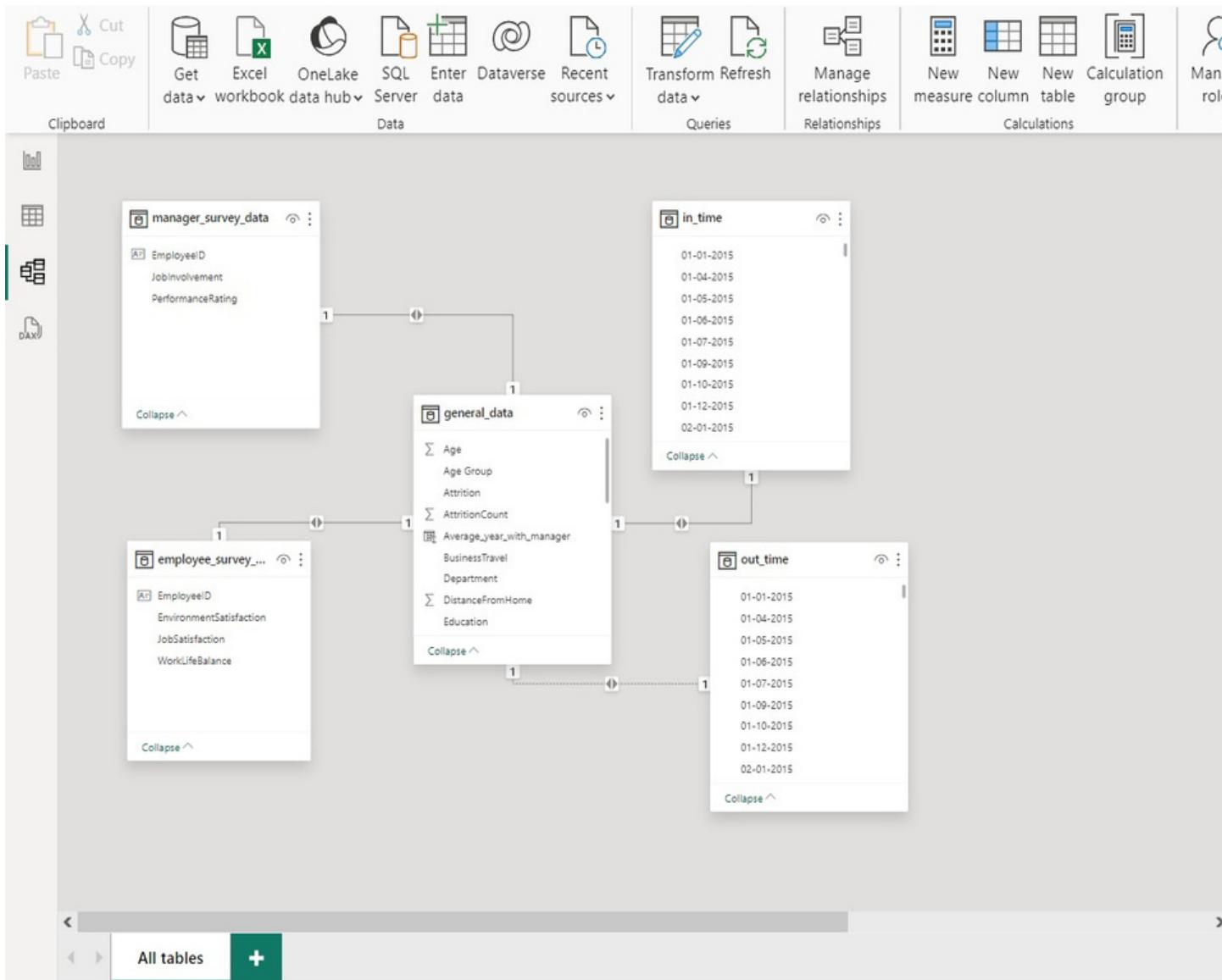
10. In Power BI, create a line chart that visualizes the trend of Employee Attrition over the years ?

As we can see from line chart maximum Attrition occurs at first 1 year.

Company should flexible work arrangements , and a positive , inclusive work culture to retain talent and reduce attrition.



11. Describe how you would create a star schema for this dataset, explaining the benefits of doing so?



A star schema enables faster data refreshes, reducing the processing time significantly.

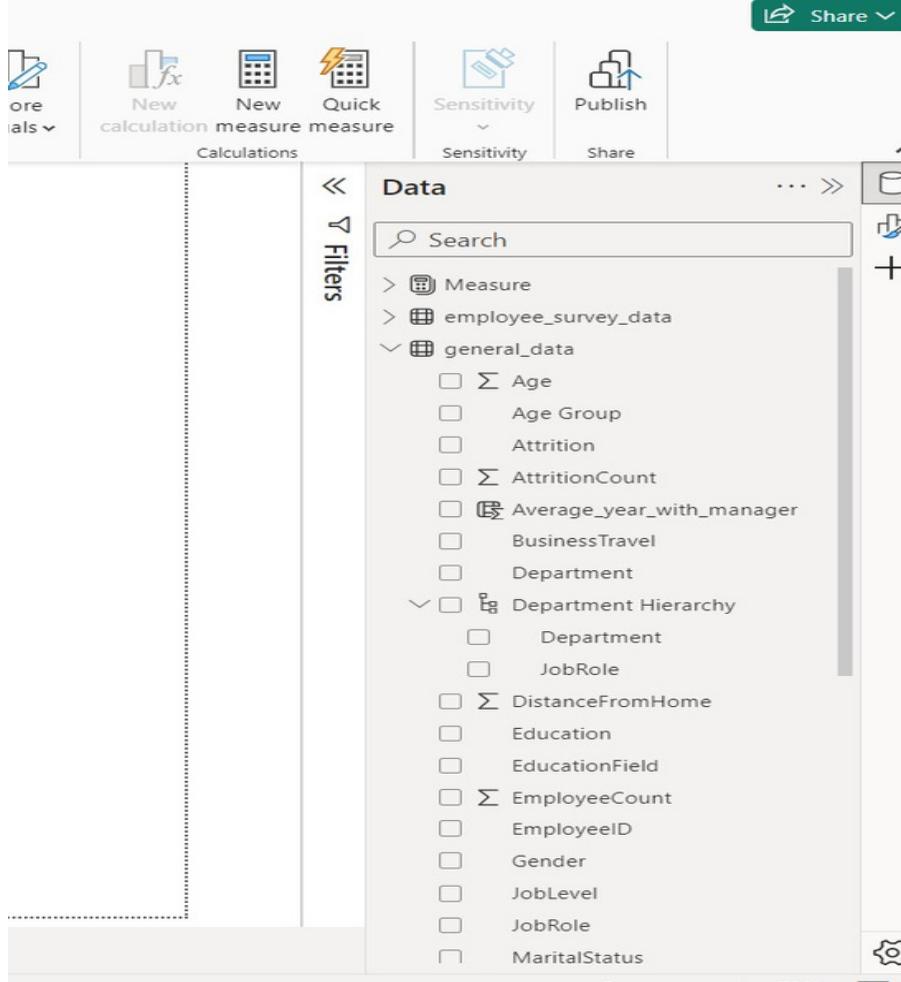
By optimizing the data model's structure and leveraging relationships between tables, Power BI can efficiently update the data, making it more up-to-date and ready for analysis.

12. Using DAX, calculate the rolling 3-month average of Monthly Income for each employee.

Using DAX

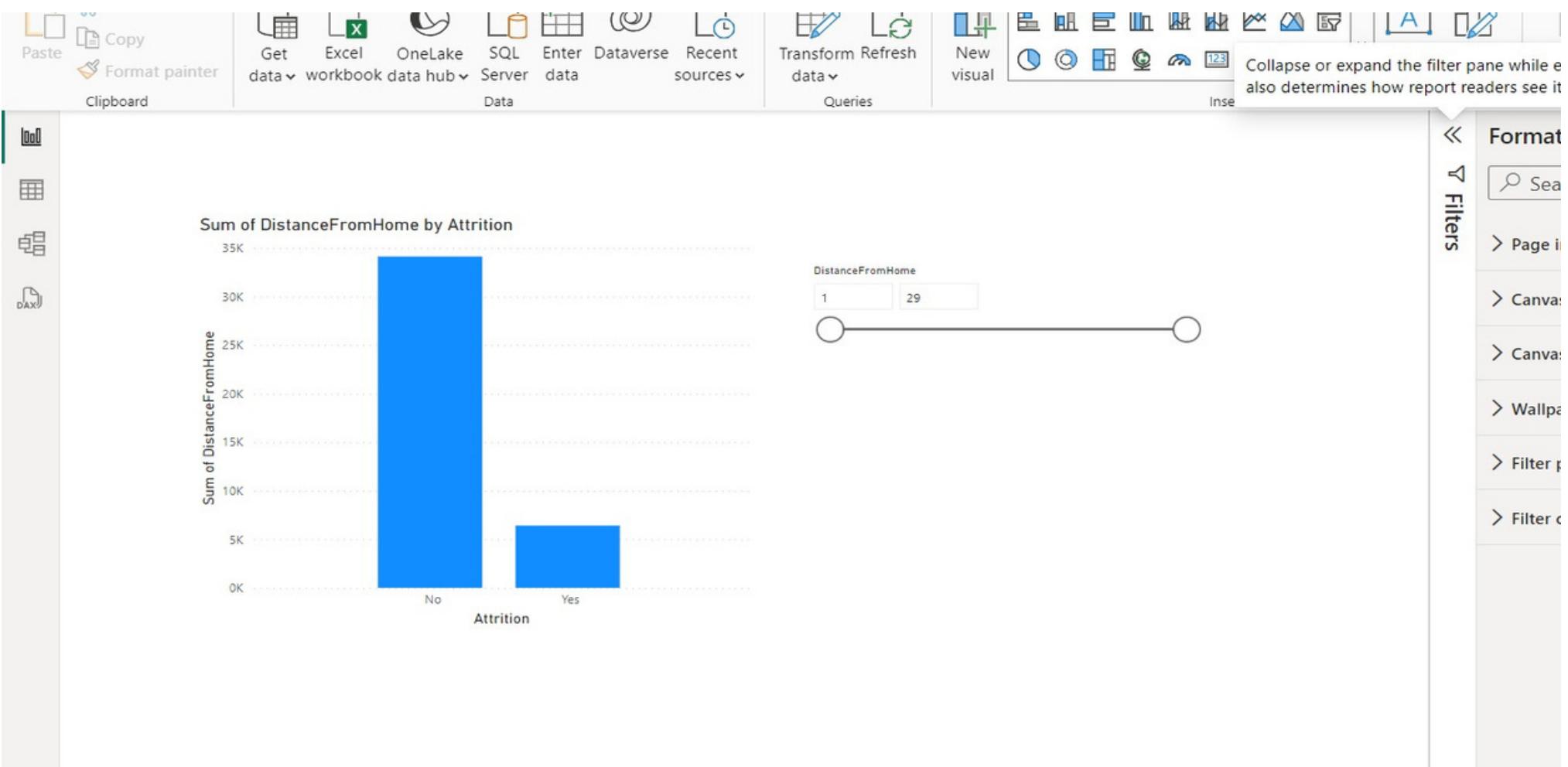
```
3-Months Monthly Income average = CALCULATE(  
AVERAGE('general data')[MonthlyIncome],  
DATESINPERIOD(  
'genera data'[Date],  
MAX (  
'general data'[Date]),  
, -3 , MONTH ))
```

13. Create a hierarchy in Power BI that allows users to drill down from Department to Job Role to further narrow their analysis.



14. How can you set up parameterized queries in Power BI to allow users to filter data based 1 of 2 on the Distance from Home column?

First we will create slicers based on Distance from home column and using the slider we can change the distance from home metrics.



15. In Excel, calculate the total Monthly Income for each Department, considering only the employees with a Job Level greater than or equal to 3?

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of MonthlyIncome	Column Labels									
4	Row Labels		3	4	5	Grand Total					
5	Human Resources		1648500	754800	855840	3259140					
6	Research & Development		28117740	15277290	10107870	53502900					
7	Sales		11792400	8753070	2428860	22974330					
8	Grand Total		41558640	24785160	13392570	79736370					
9											
10											
11											
12											
13											
14											
15											
16											
17											
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25											
26											
27											

16. Explain how to perform a What-If analysis in Excel to understand the impact of a 10% increase in Percent Salary Hike on Monthly Income.?

What-If Analysis is the process of changing the values in cells to see how those changes will affect the outcome of formulas on the worksheet.

Here we change the average of percentage salary hike by 10%.

Using What if analysis we can find the new average overall monthly income after salary hike.

A	B	C	D	E	F	G	H	I	J	K	L	M	N
1 Average monthly income	65029.31293												
2 Average of percent salary hike		15.21%											
4 Average Total overall monthly income	74919.95929												
5													
6	Average Total overall monthly income after salary hike.												
7 What if Analysis?		74919.95929											
8 increase average of percentage salary hike	25.21%	81422.89058											
9													
10													
11													
12													
13													
14													
15													
16													
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27													



Best Regards,
Palak Arora