

Filtering the data

Age	Number of Employees
30	180
31	207
32	183
33	174
34	231
35	234
36	207
37	150
38	174
39	126
40	171
Total	3432

Creating Pivot Table

Job Role	Average Monthly Income
Healthcare Representative	₹ 59,761.33
Human Resources	₹ 57,754.88
Laboratory Technician	₹ 65,435.62
Manager	₹ 66,266.81
Manufacturing Director	₹ 65,454.20
Research Director	₹ 63,117.68
Research Scientist	₹ 64,365.47
Sales Executive	₹ 67,031.77
Sales Representative	₹ 64,874.92
Total	₹ 64,705.51

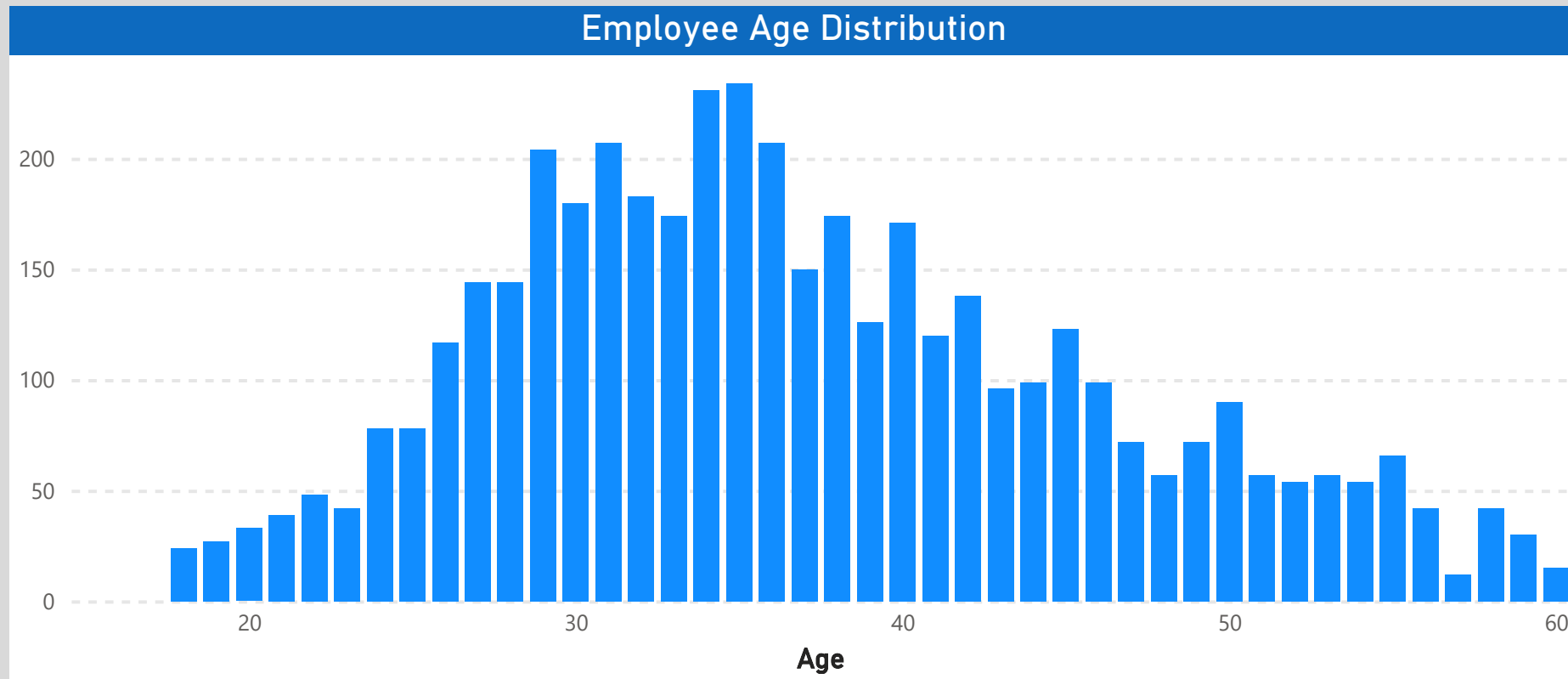
Applying Conditional Formatting

Employee ID	Age	Department ID	Education ID	Job ID	Gender ID	Monthly Income
1	51	S_TR	LS002	HC101	FM	₹ 1,31,160
2	31	RnD_TF	LS001	RS101	FS	₹ 41,890
3	32	RnD_TF	OT004	SE104	MM	₹ 1,93,280
4	38	RnD_NT	LS005	HR103	MM	₹ 83,210
5	32	RnD_TR	MD001	SE101	MS	₹ 23,420
6	46	RnD_TR	LS003	RD104	FM	₹ 40,710
7	28	RnD_TR	MD002	SE102	MS	₹ 58,130
8	29	RnD_TR	LS003	SE102	MM	₹ 31,430
9	31	RnD_TR	LS003	LT103	MM	₹ 20,440
10	25	RnD_NT	MD004	LT104	FD	₹ 1,34,640
11	45	RnD_TR	MD002	LT102	MM	₹ 79,910
12	36	RnD_TR	LS001	LT101	MM	₹ 33,770
13	55	RnD_TR	LS004	SE101	FS	₹ 55,380
14	47	RnD_NT	MD001	RS101	MM	₹ 57,620
15	28	RnD_TR	LS003	MD101	MM	₹ 25,920

Average Monthly
Income of all Employees

₹ 65,029.31

Creating Bar Chart

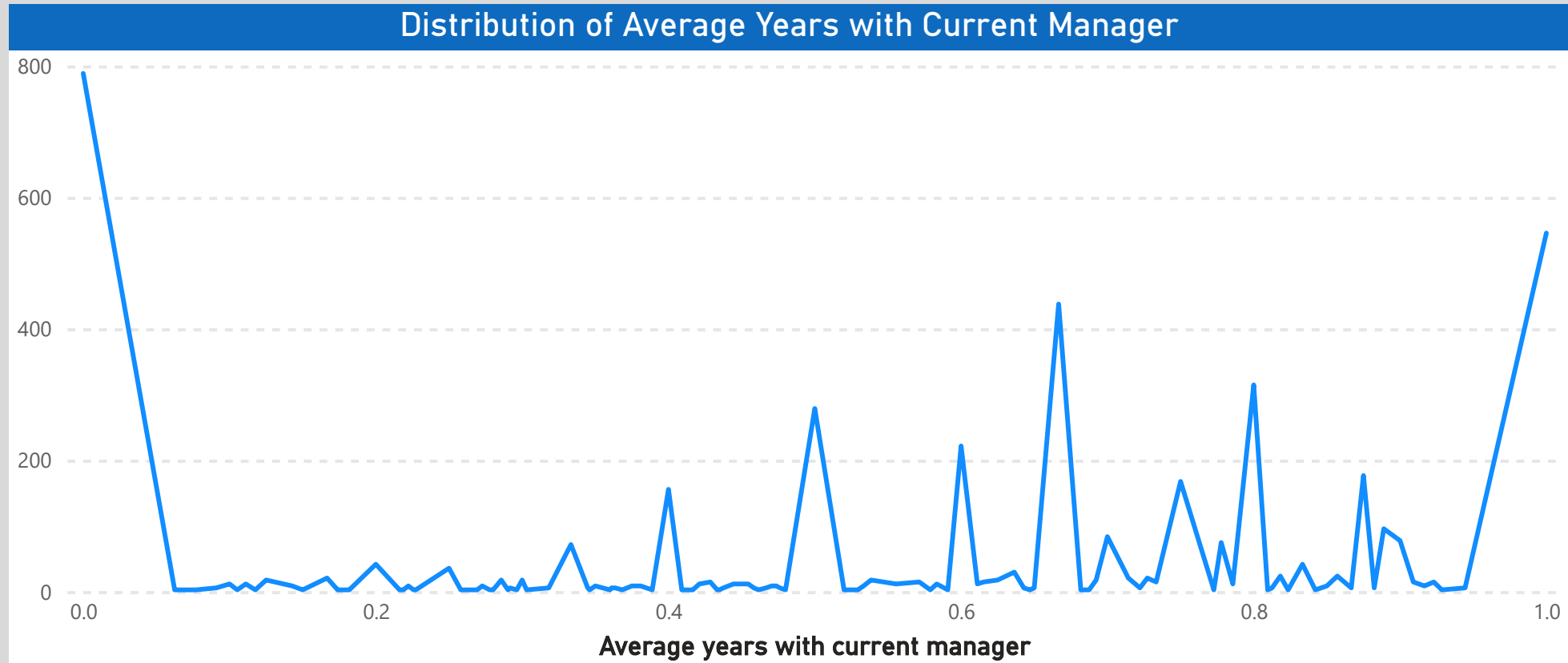


Both the in_time and out_time contains multiple records of "in and out" times for a particular employee.

After applying some transformations, these in and out tables becomes Fact tables.

There is one-to-many relationship between general_data table and in_time table, also one-to-many relationship between general_data table and out_time table with common key is, Employee ID.

Creating Calculated Column



Creating Pivot Table

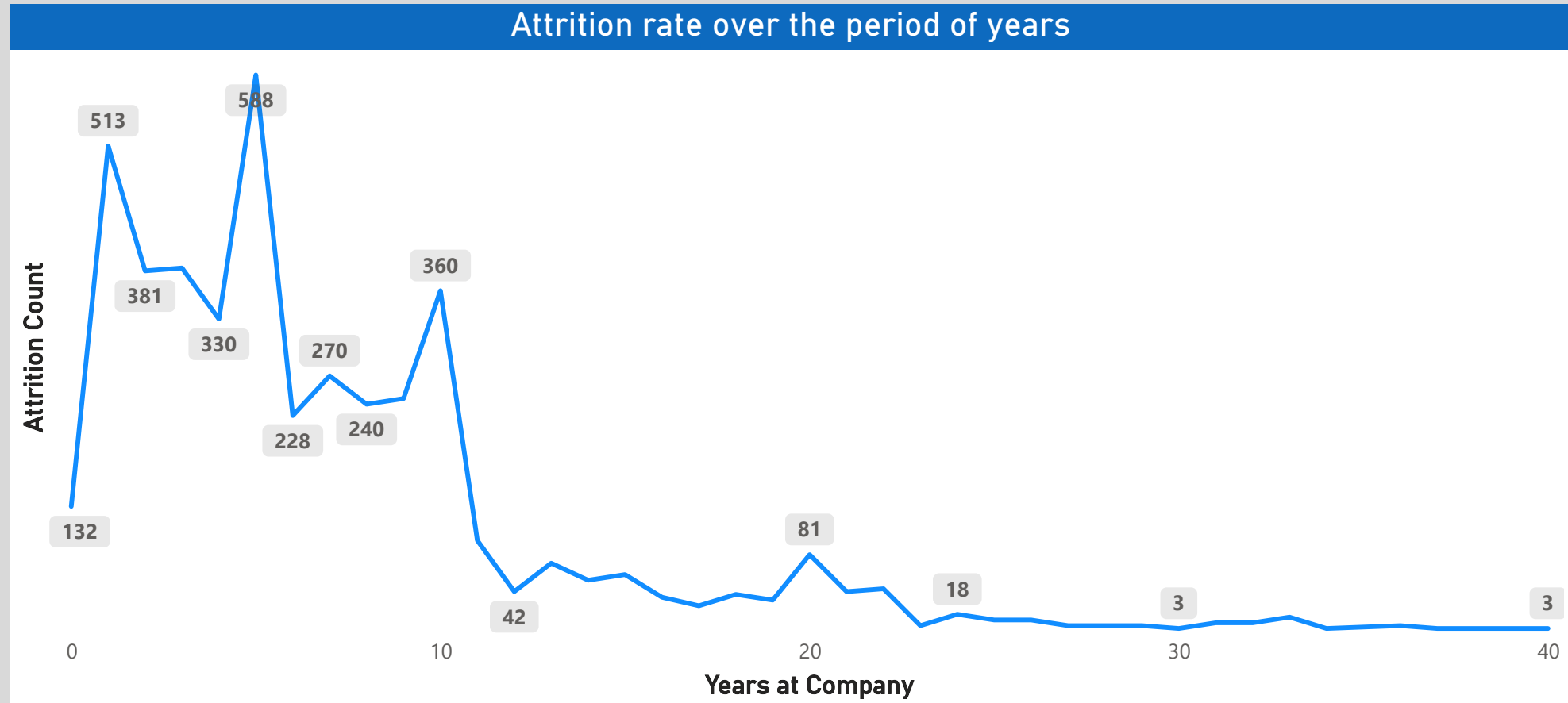
Marital Status	Department	Number of Employees
Divorced	Human Resources	21
Divorced	Research & Development	621
Divorced	Sales	339
Married	Human Resources	96
Married	Research & Development	1350
Married	Sales	573
Single	Human Resources	72
Single	Research & Development	912
Single	Sales	426
Total		4410

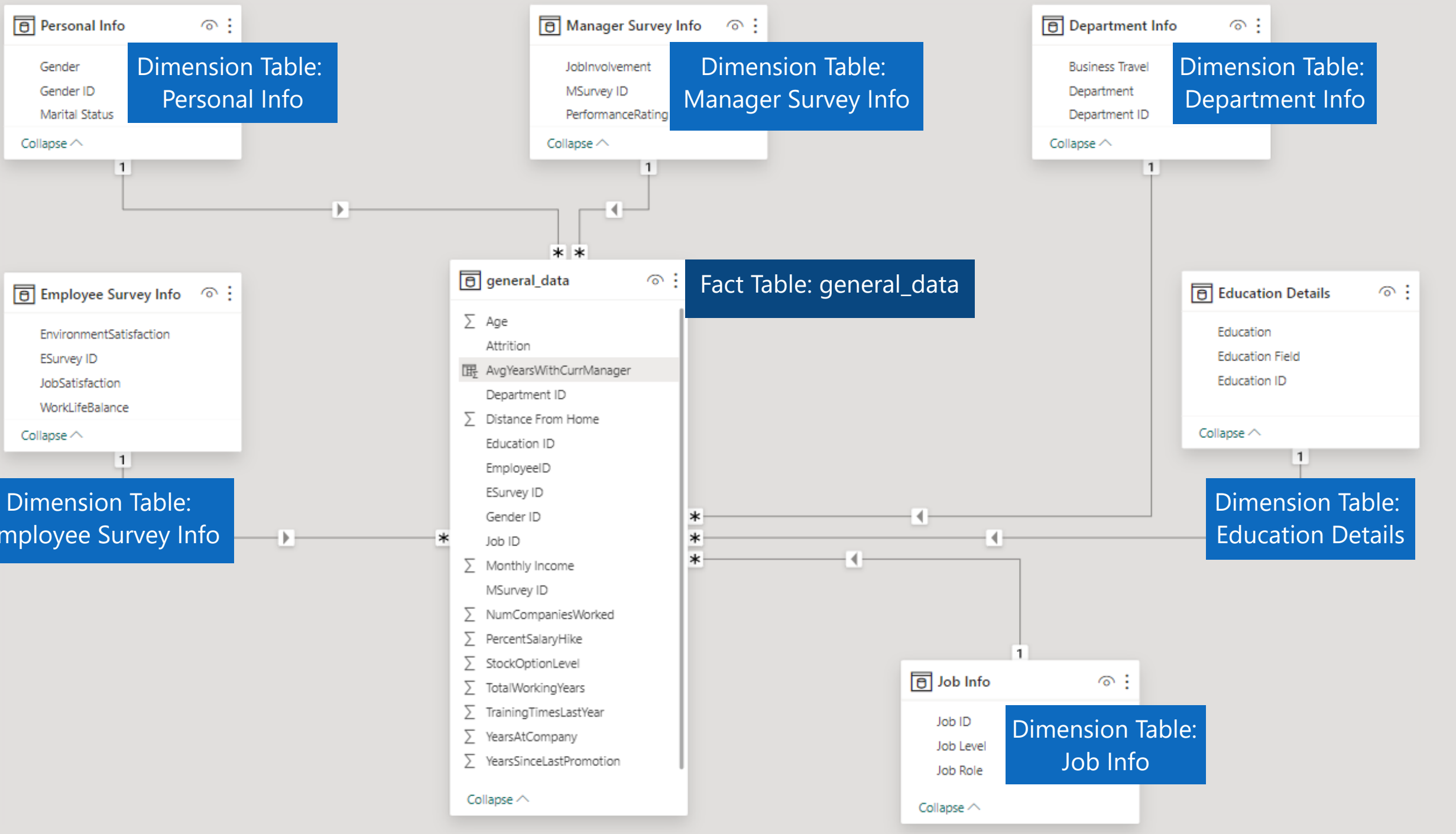
Applying Conditional Formatting

Employee ID	Age	Department ID	Education ID	Job ID	Gender ID	Monthly Income	Job Satisfaction
1	51	S_TR	LS002	HC101	FM	₹ 1,31,160	4 ↑
2	31	RnD_TF	LS001	RS101	FS	₹ 41,890	2
3	32	RnD_TF	OT004	SE104	MM	₹ 1,93,280	2
4	38	RnD_NT	LS005	HR103	MM	₹ 83,210	4 ↑
5	32	RnD_TR	MD001	SE101	MS	₹ 23,420	1
6	46	RnD_TR	LS003	RD104	FM	₹ 40,710	2
7	28	RnD_TR	MD002	SE102	MS	₹ 58,130	3 ↑
8	29	RnD_TR	LS003	SE102	MM	₹ 31,430	2
9	31	RnD_TR	LS003	LT103	MM	₹ 20,440	4 ↑
10	25	RnD_NT	MD004	LT104	FD	₹ 1,34,640	1
11	45	RnD_TR	MD002	LT102	MM	₹ 79,910	4 ↑
12	36	RnD_TR	LS001	LT101	MM	₹ 33,770	4 ↑
13	55	RnD_TR	LS004	SE101	FS	₹ 55,380	1
14	47	RnD_NT	MD001	RS101	MM	₹ 57,620	2
15	28	RnD_TR	LS003	MD101	MM	₹ 25,920	4 ↑

Average Monthly Income of all Employees	Average Job Satisfaction for all Employees
₹ 65,029.31	2.34

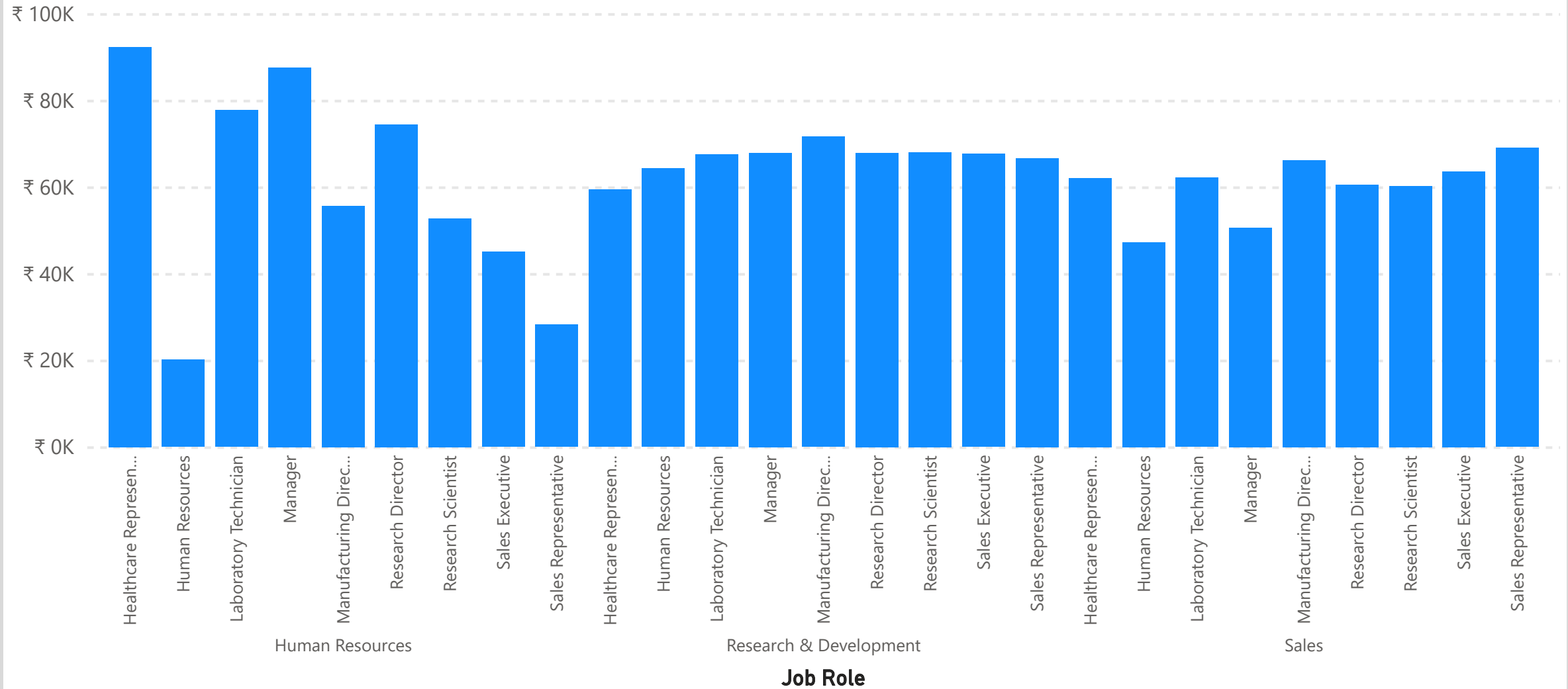
Creating Line Chart





Creating Hierarchies

Average Monthly Income by Hierarchies from Department to Job Role



Parameterize Queries

Distance from Home - Parameter

10



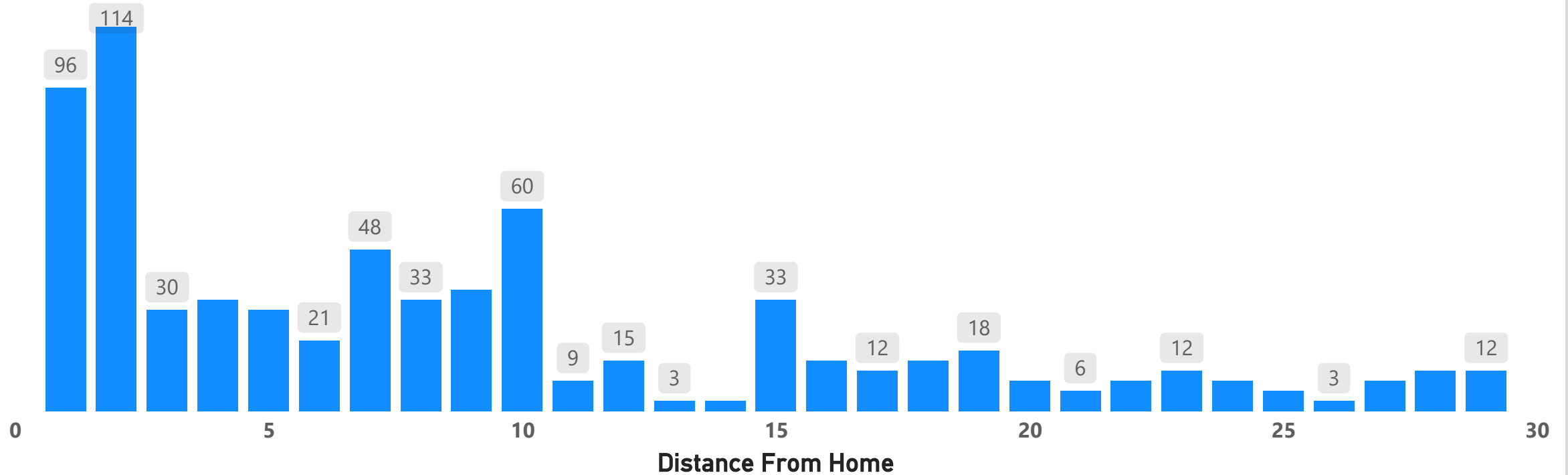
Distance from
Home (in Km)

10

Attrition
Count

60

Attrition Count by Distance From Home



Total Income by Job Role

