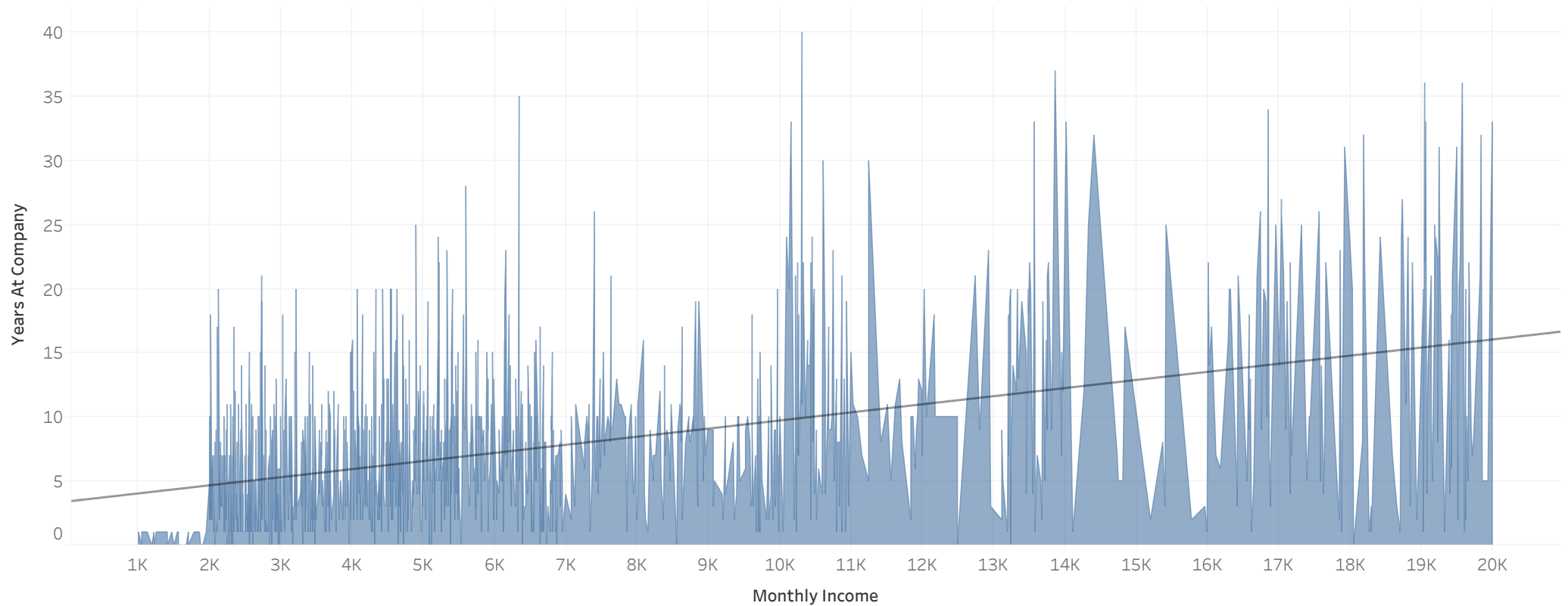# Correlation between Monthly income and years at the company
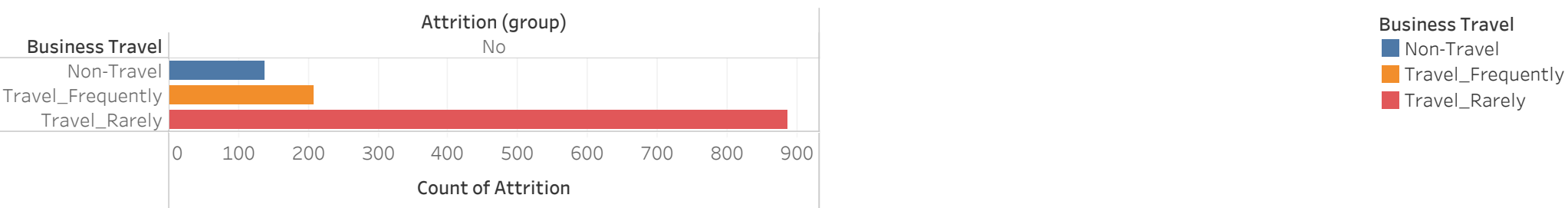

The plot of sum of Years At Company for Monthly Income.

Through this plot, we conclude that with an increase in the number of years at company, there is a linear increase in the monthly income of the employee.

The mathematical relation between the two fields in this visualization is represented by the linear line in the plot.
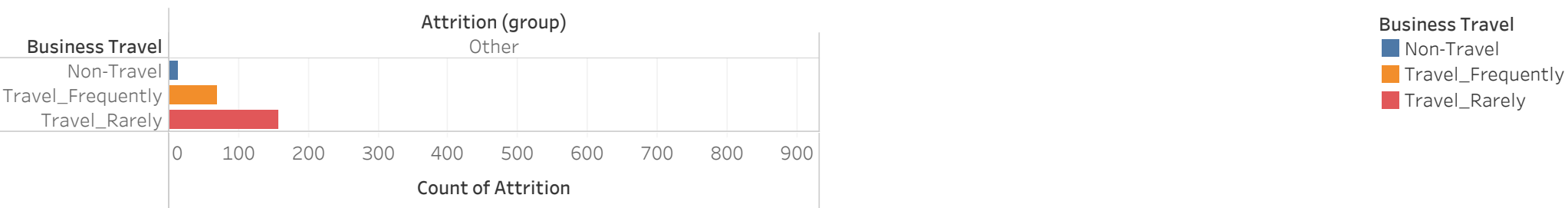
Difference in Attrition when employees have different travel patterns (in the business travel field)

Attrition (group)
No

Business Travel	

Count of Attrition

Business Travel
- Non-Travel
- Travel_Frequently
- Travel_Rarely

Count of Attrition for each Business Travel broken down by Attrition (group). Color shows details about Business Travel. The view is filtered on Attrition (group) and Business Travel. The Attrition (group) filter keeps No and Other. The Business Travel filter keeps Non-Travel, Travel_Frequently and Travel_Rarely.

The employess belonging to the Non-travel field are the minimum ones to leave the company, while the employess who travel rarely are the maximum ones to leave the company.

Difference in Attrition when employees have different travel patterns (in the business travel field)

Attrition (group)
Other

Business Travel		
Non-Travel		
Travel_Frequently		
Travel_Rarely		

Count of Attrition

0   100   200   300   400   500   600   700   800   900

Business Travel
- Non-Travel
- Travel_Frequently
- Travel_Rarely

Count of Attrition for each Business Travel broken down by Attrition (group). Color shows details about Business Travel. The view is filtered on Attrition (group) and Business Travel. The Attrition (group) filter keeps No and Other. The Business Travel filter keeps Non-Travel, Travel_Frequently and Travel_Rarely.

The employess belonging to the Non-travel field are the minimum ones to leave the company, while the employess who travel rarely are the maximum ones to leave the company.
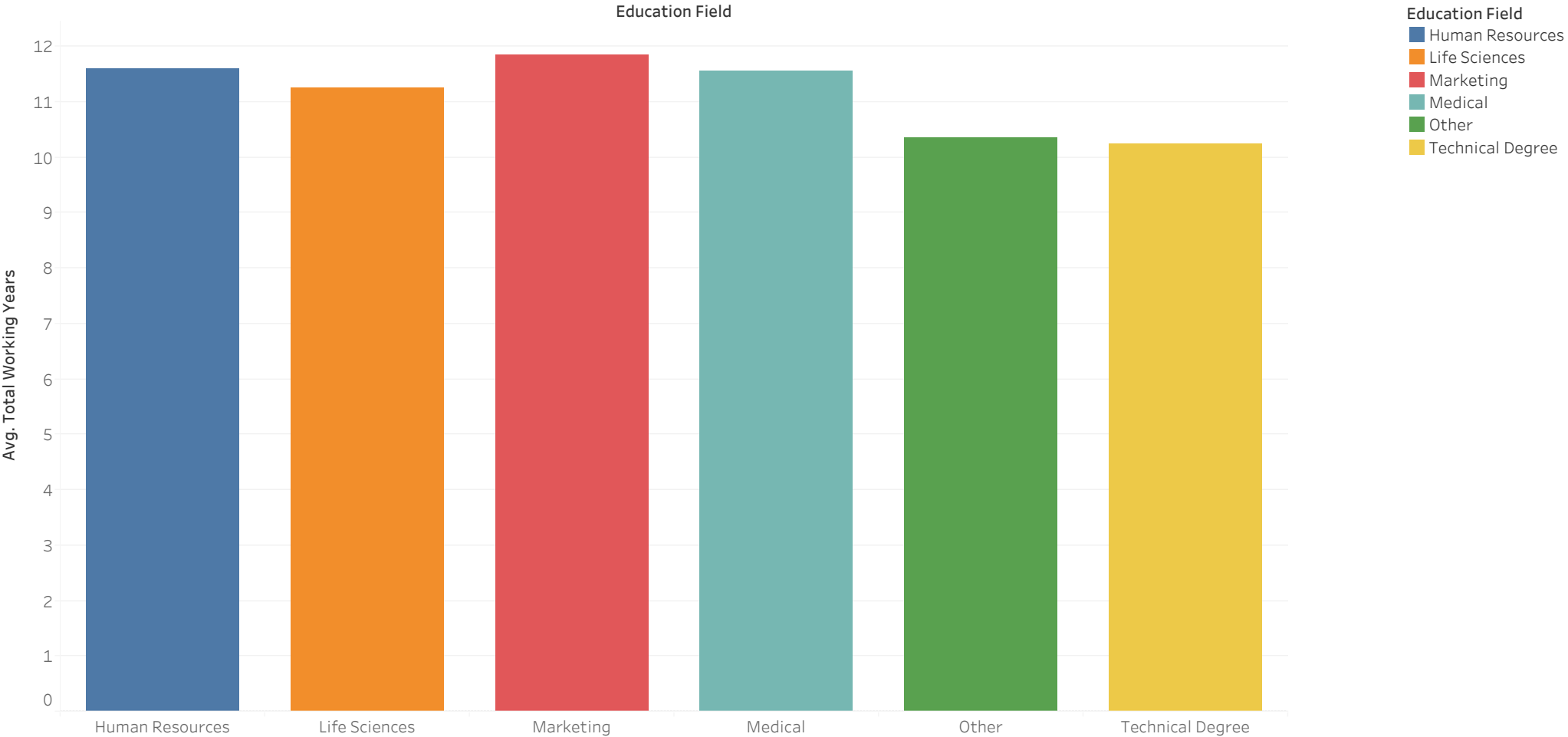
Distribution of Total working years across different education fields

Education Field

Average of Total Working Years for each Education Field. Color shows details about Education Field. The view is filtered on Education Field, which keeps 6 of 6 members.

Since, each elployee works for a different number of years, it it better to consider the average of total working years.
Through this graph, the average working years for every education field is evaluated and resultant values are:
Human Resourses - 11.593
Life Sciences - 11.246
Marketing - 11.855
Medical - 11.565
Technical Degree - 10.250
Others - 10.354

Technical degree holders work for the least number of years on an average, while Marketing employess work for maximum years, if taken average.
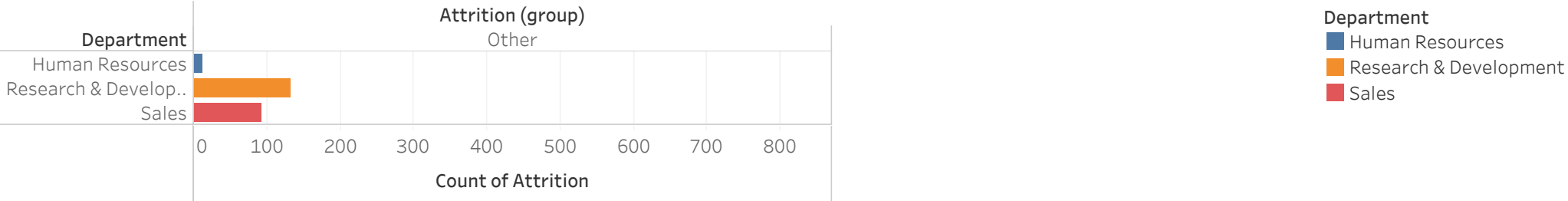
Factors leading to employee attritions - Department
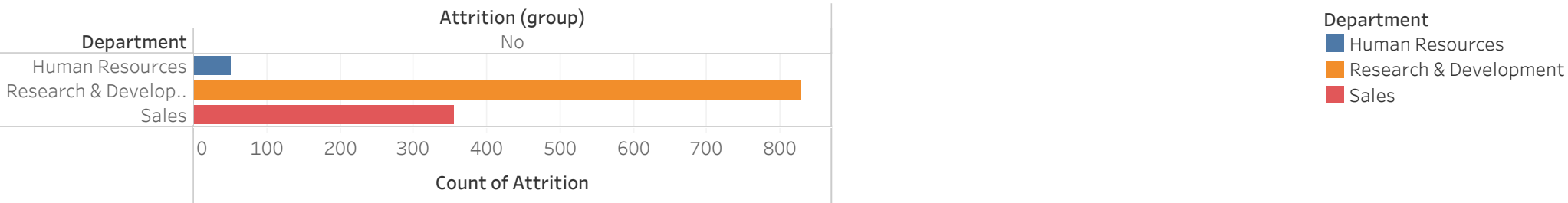
Attrition (group)

No

Department	Count of Attrition

Count of Attrition

Count of Attrition for each Department broken down by Attrition (group). Color shows details about Department. The view is filtered on Department and Attrition (group). The Department filter keeps Human Resources, Research & Development and Sales. The Attrition (group) filter keeps No and Other.

This bar graph concludes that majorly Research & Development Department has attritions.

Department
- Human Resources
- Research & Development
- Sales

Factors leading to employee attritions - Department

Attrition (group)

Other

Department	
Human Resources	
Research & Develop..	
Sales	

Count of Attrition

Department
- Human Resources
- Research & Development
- Sales

Count of Attrition for each Department broken down by Attrition (group). Color shows details about Department. The view is filtered on Department and Attrition (group). The Department filter keeps Human Resources, Research & Development and Sales. The Attrition (group) filter keeps No and Other.

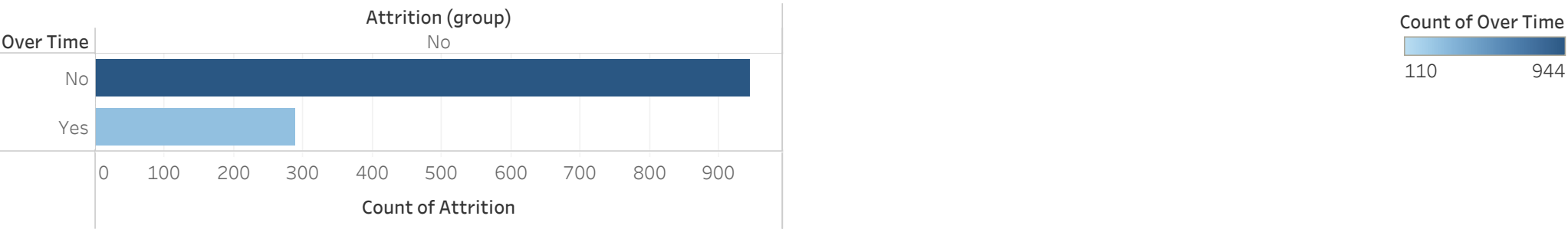This bar graph concludes that majorly Research & Development Department has attritions.
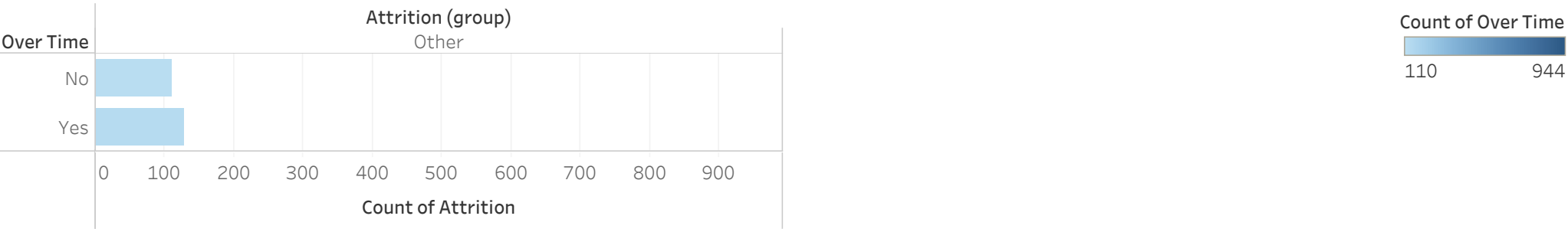
Factors leading to employee attritions - Overtime

Attrition (group)

No

Over Time	
No	
Yes	

0   100   200   300   400   500   600   700   800   900

Count of Attrition

Count of Over Time

110 ————— 944

Count of Attrition for each Over Time broken down by Attrition (group). Color shows count of Over Time. The view is filtered on Attrition (group) and Over Time. The Attrition (group) filter keeps No and Other. The Over Time filter keeps No and Yes.

This bar graph represnts that only 127 employees leave their jobs due to overtime

Factors leading to employee attritions - Overtime

Attrition (group)

Over Time

Other

No

Yes

| 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |

Count of Attrition

Count of Over Time

110   944

Count of Attrition for each Over Time broken down by Attrition (group). Color shows count of Over Time. The view is filtered on Attrition (group) and Over Time. The Attrition (group) filter keeps No and Other. The Over Time filter keeps No and Yes.

This bar graph represnts that only 127 employees leave their jobs due to overtime
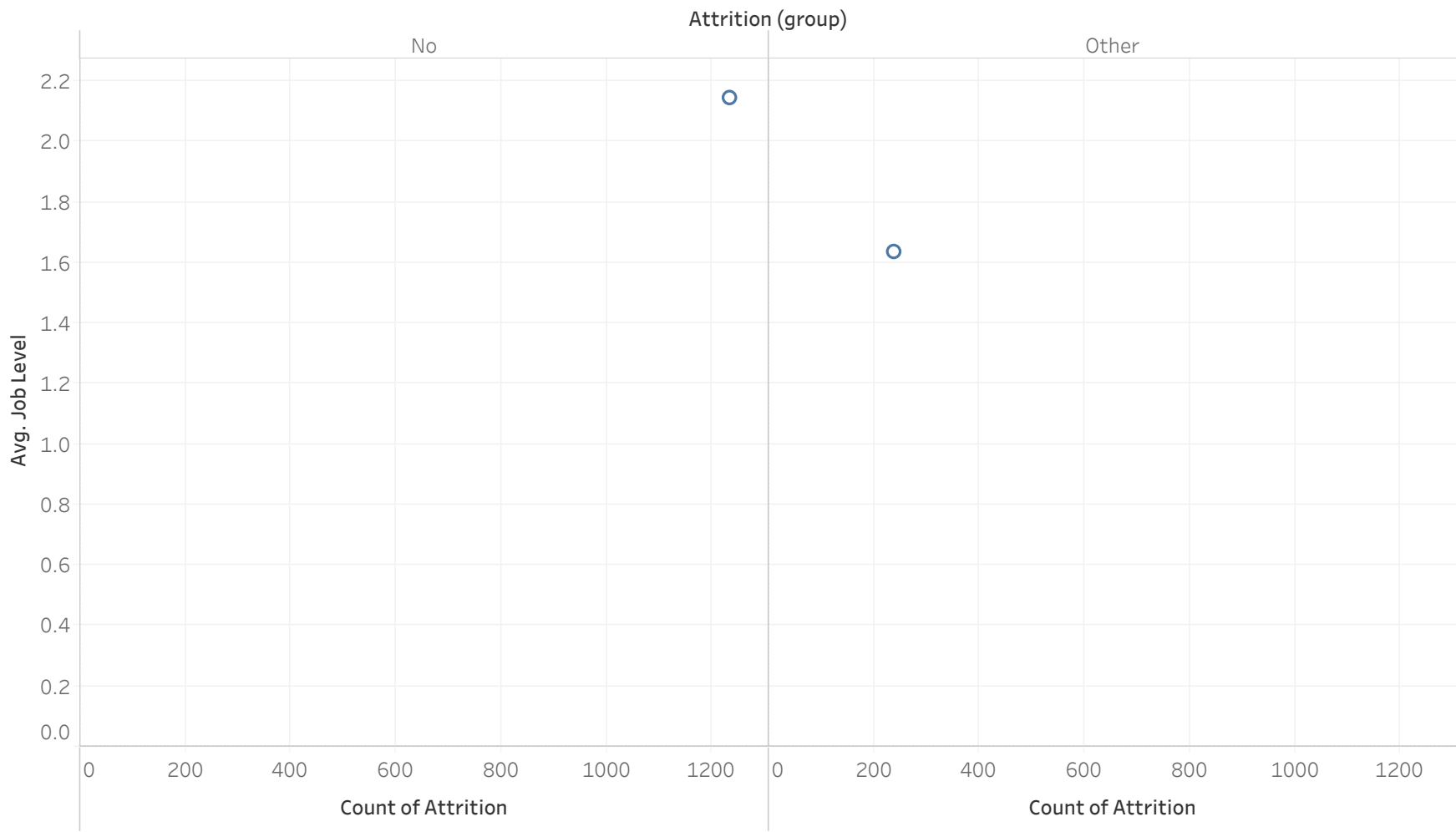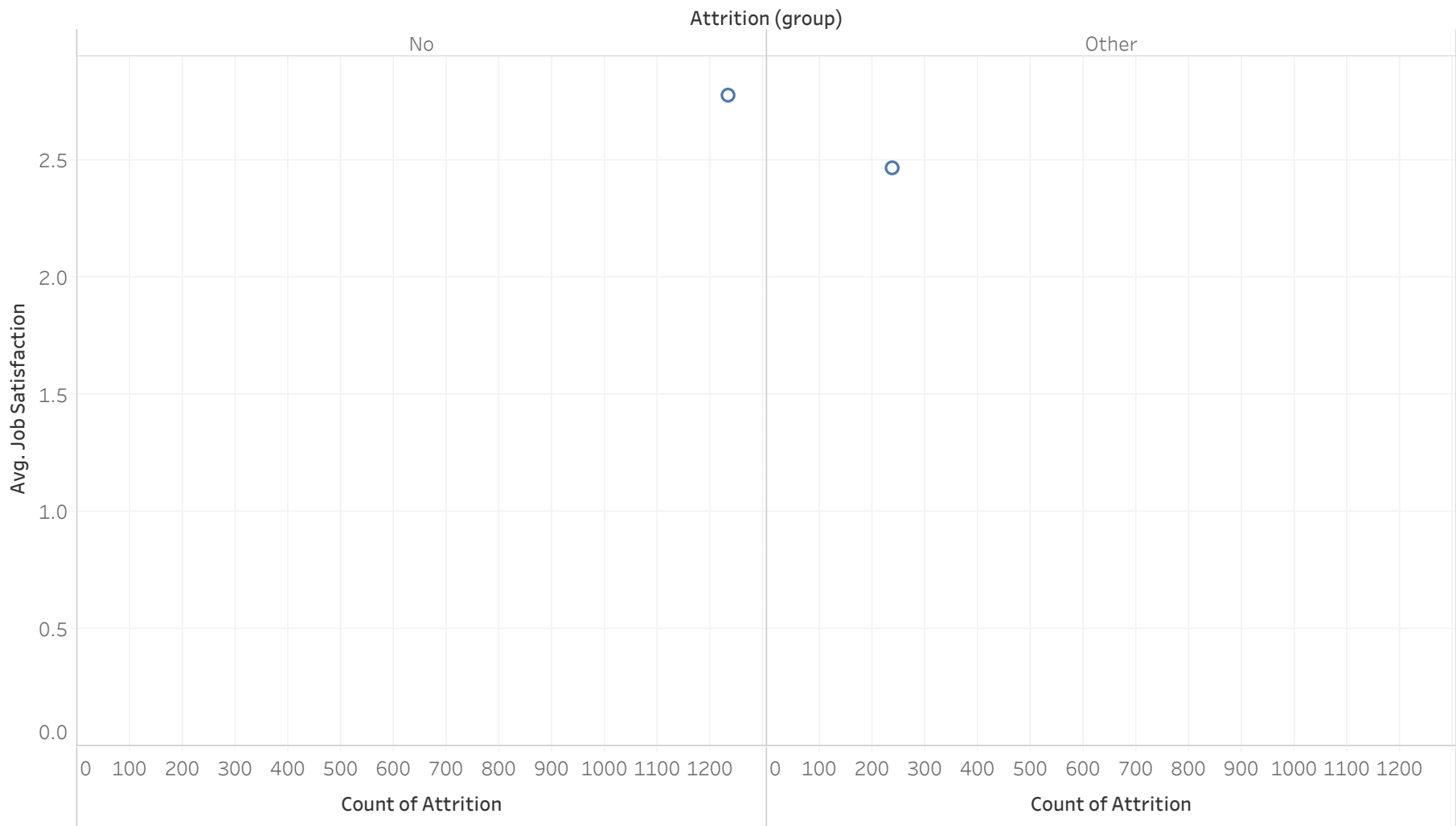
Factors leading to employee attritions -JobLevel

Attrition (group)

No   Other

Count of Attrition vs. average of Job Level broken down by Attrition (group).

This scatter plot is uesd to describe that employees leaving their jobs have an average of 1.67 job level.

Factors leading to employee attritions - Job Satisfaction

Attrition (group)

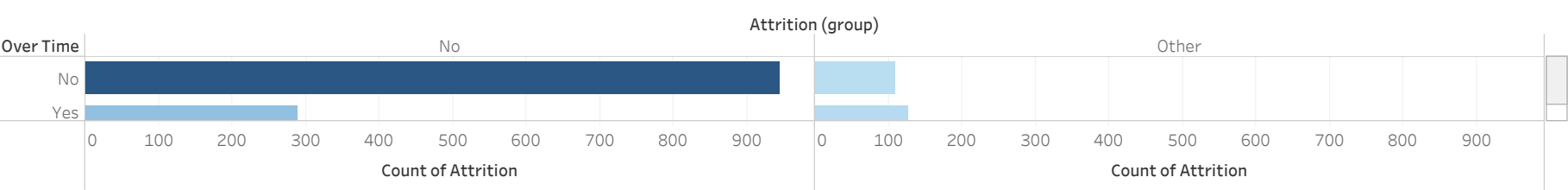No   Other

Count of Attrition vs. average of Job Satisfaction broken down by Attrition (group).

Through this scatter plot, we conclude that the number of employees leaving the company have an average of 2.48 job statisfaction out of 5.
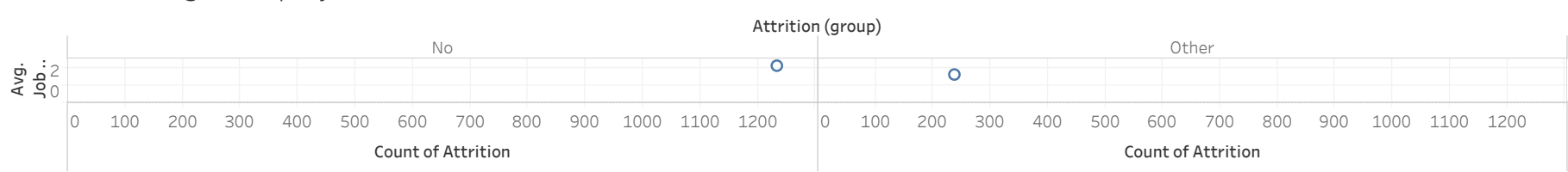
Factors leading to employee attritions - Department

Attrition (group)

Department	No	Other

Department
Human Resources
Research & Develop..
Sales

0 100 200 300 400 500 600 700 800
Count of Attrition

0 100 200 300 400 500 600 700 800
Count of Attrition

Factors leading to employee attritions - Overtime

Attrition (group)

Over Time	No	Other
No	
Yes	

0 100 200 300 400 500 600 700 800 900
Count of Attrition

0 100 200 300 400 500 600 700 800 900
Count of Attrition

Factors leading to employee attritions -JobLevel

Attrition (group)

No | Other

Avg. Job..
2
0

0 100 200 300 400 500 600 700 800 900 1000 1100 1200
Count of Attrition

0 100 200 300 400 500 600 700 800 900 1000 1100 1200
Count of Attrition

Factors leading to employee attritions - Job Satisfaction

Attrition (group)

No | Other

Av..
2

0 100 200 300 400 500 600 700 800 900 1000 1100 1200
Count of Attrition

0 100 200 300 400 500 600 700 800 900 1000 1100 1200
Count of Attrition