

Overview and Business Understanding

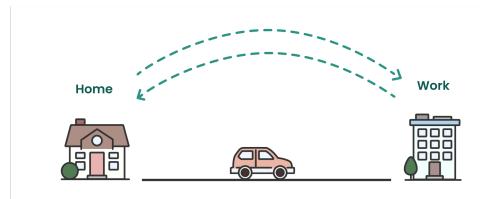






IBM WOULD LIKE TO
UNDERSTAND THE
RELATIONSHIP BETWEEN THESE
FEATURES AND EMPLOYEE
ATTRITION.

Distance from **Home**



Number of **Companies** Worked



Business Questions

• What features **increase** an employee's likelihood to leave IBM the most?

Business Questions

 What features reduce an employee's likelihood to leave IBM the most?

Job **Level**



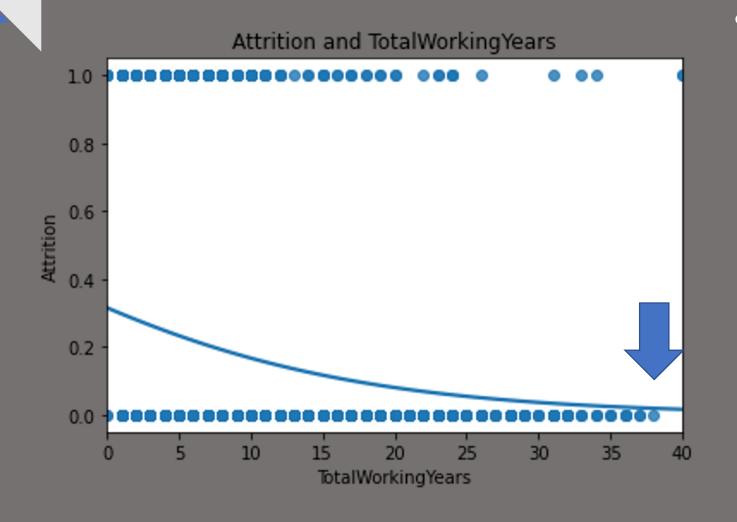
Total Working Years



 Of the 35 total features, 5 of the most relevant:

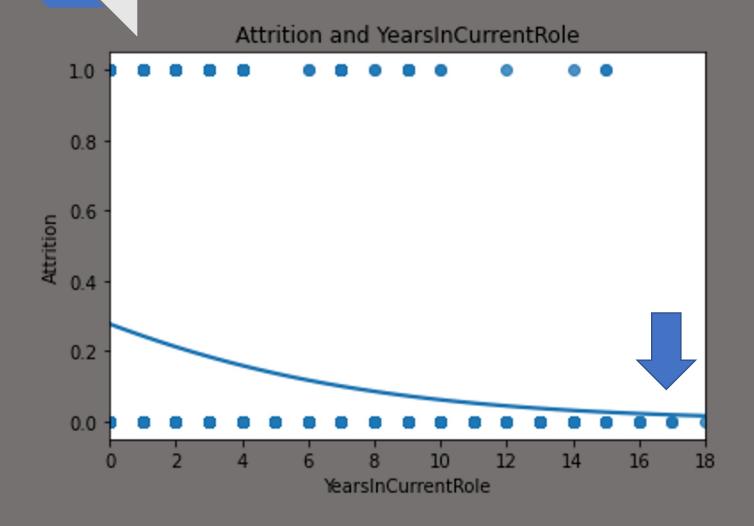
- Total Working Years
- Years in Current Role
- Job Level

- Number of Companies
 Worked
- Distance from Home



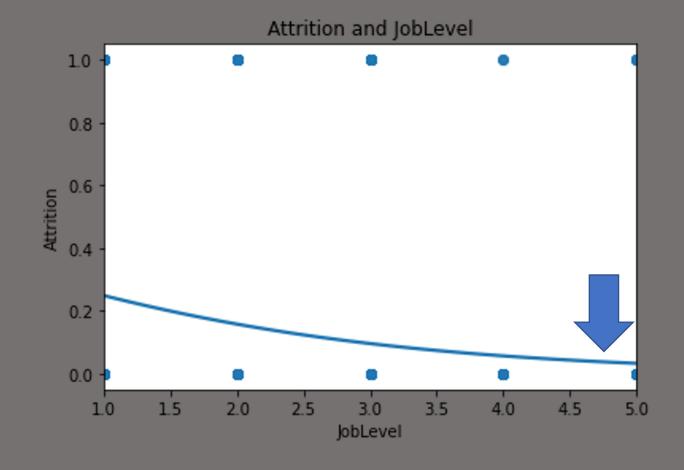
• Line shows:

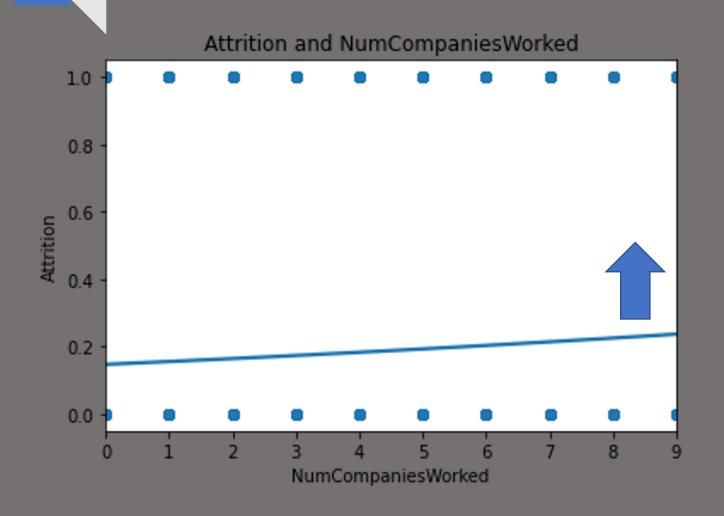
- Increase in Total Working Years
- Decrease in Attrition



- Line shows:
 - Increase in Years in Current Role
 - Decrease in Attrition

- Line shows:
 - Increase Job Level
 - Decrease in Attrition

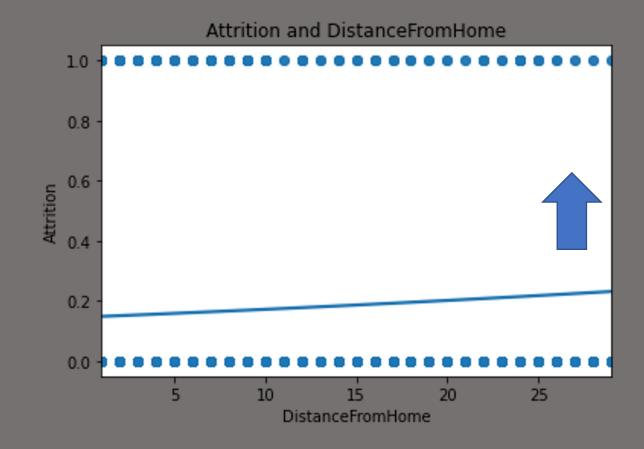




• Line shows:

- Increase in Years in Number of CompaniesWorked
- Increase in Attrition

- Line shows:
 - Increase Distance from Home
 - Increase in Attrition

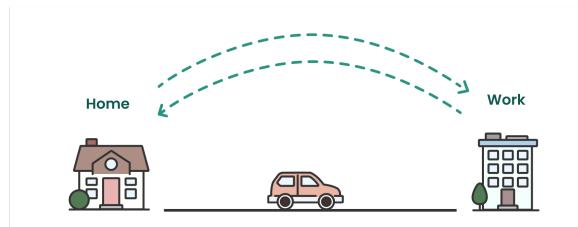


Recommendations

 Incentivize employees who have worked a high number of companies to stay at IBM.

Incentivize employees to move closer to their place of work, perhaps through relocation packages.





Recommendations

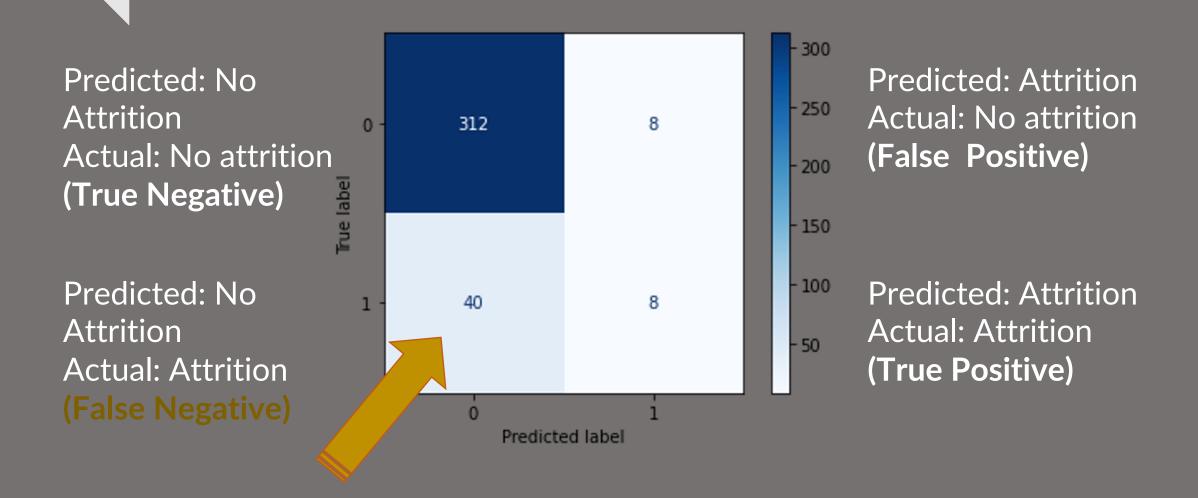
 Incentivize longevity with the company, perhaps through stock or other perk options

 Maintain pathways of upward mobility for employees.





Model Accuracy



Next Steps

- Features overall did not show high correlation with attrition.
- Looking at different data and asking different questions in IBM's surveys may produce more fruitful results.

I would be happy to answer any questions

Thank you

- You may find my contact information below:
- https://www.linkedin.com/in/konnorclark/