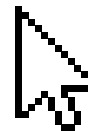




Final Project

School Scores and What Impacts It



Justina Asamoah



Hypothesis

Hypothesis

There will be a positive correlation between time studied and GPA



Null Hypothesis

There will be a negative correlation between time studied and GPA.

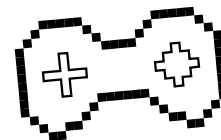
Alternative Hypothesis

There is actually no correlation between time studied and GPA.



Work Done

1. Import Data from both data sources
2. Clean data if needed
3. Do linear regression
4. Contemplate if data makes sense
5. Compare both data sets
 - a. Check if hypothesis makes sense





Main problems

Data Size

I tried to find a
datasets that
matched each other,
very difficult



Coding

yea.



Data Set

Finding new data
sets that are
within the same
year





02

Background

404 NOT FOUND



Why I chose This

Interest

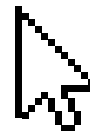
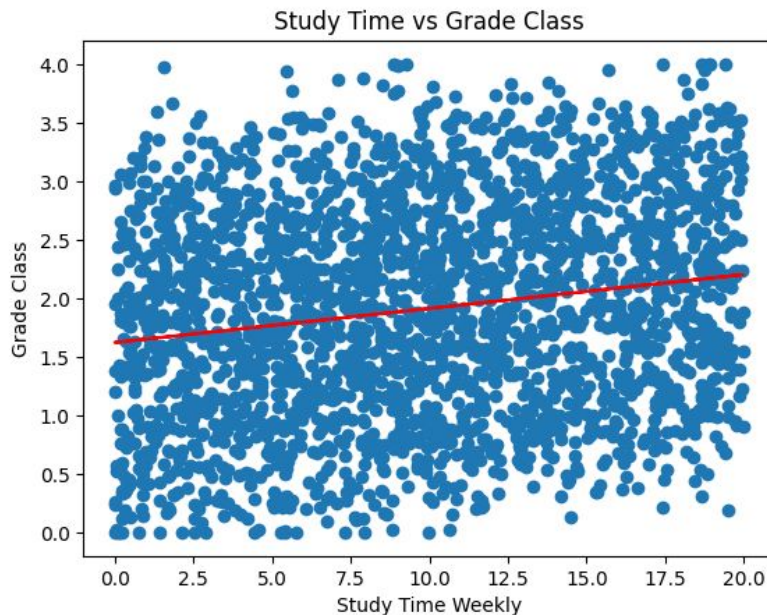
I was genuinely interested to see how the data correlated in itself and compared to others

Previous Project

I did a similar project before looking at the certain issues that impacted schooling

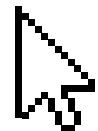
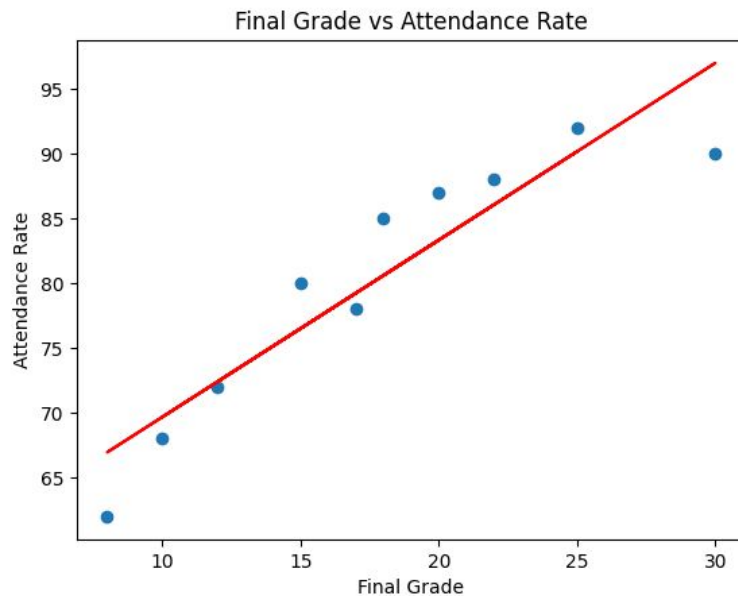


Study Time vs Grades, 1st dataset





Study Time vs Grades, 2nd dataset





Conclusion

Hypothesis was Right

The second graph was a bit wonky, but still proved that there's a positive correlation between time studied and GPA

Dataset Comparisons

While both datasets showed a positive correlation, the first dataset had a more accurate MSE, maybe due to the sample size.



Final Thoughts

References

- STUDENT PERFORMANCE
- Student Performance Predictions

Thoughts

This was a fun project, but I felt it was lackluster, due to me being uncertain and afraid to ask questions. I coded without the help of the “AutoComplete” on Colab, and it was good practice