DATA ANALYST PERFORMANCE TASK

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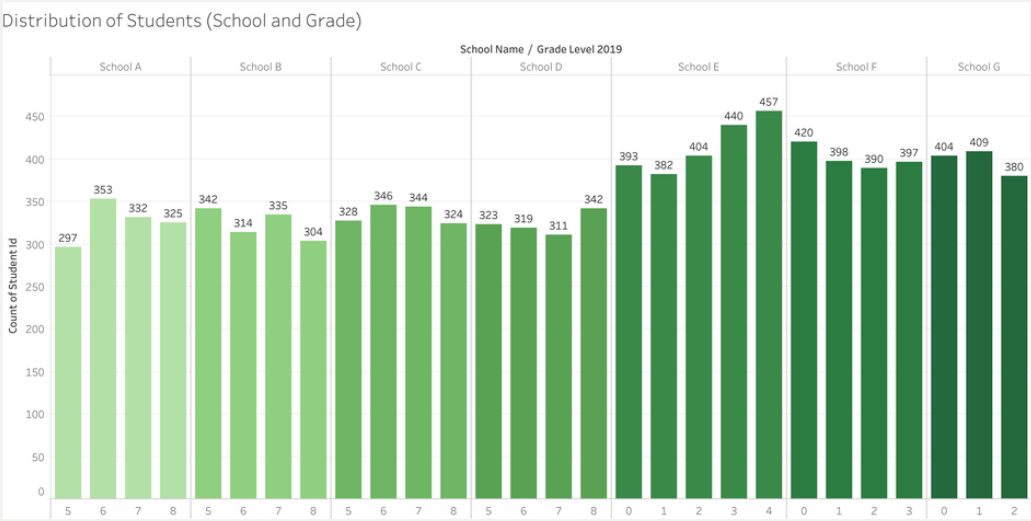
June 2022



FIRST GLANCE

Before anything I made sure to thoroughly prepare the data. Steps were taken to make sure any null values were removed, fixing any mislabeled data, as well as making sure that no data was lost during the merging of the original data tables.

Insights For Students Meeting MAP Growth

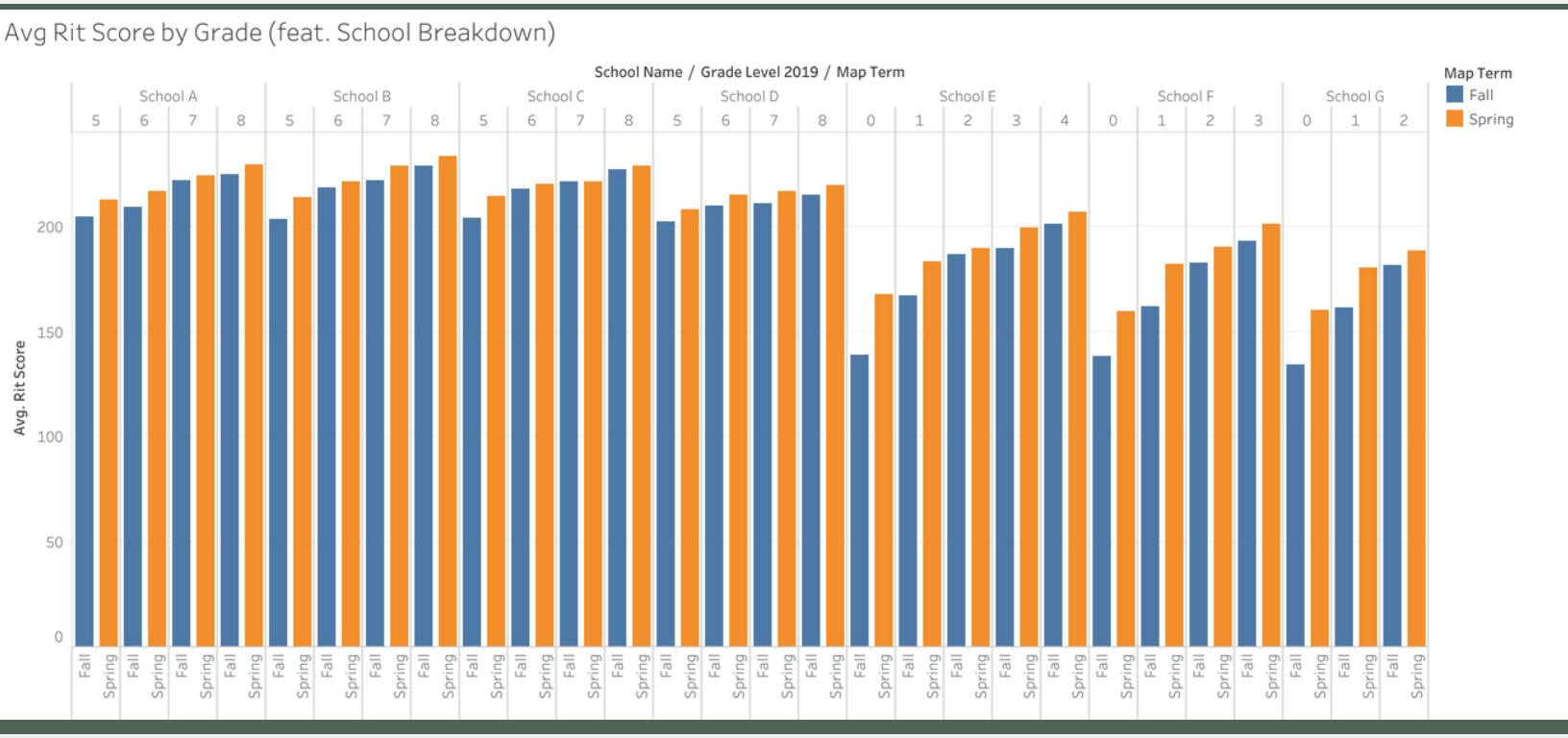
WHAT GRADE DO STUDENTS EXHIBIT THE MOST GROWTH?

Insight One

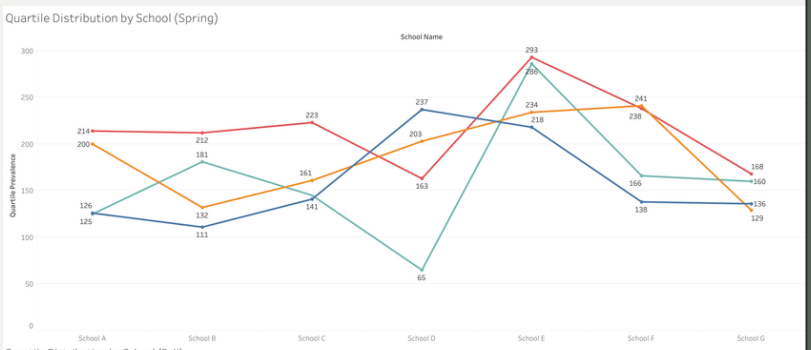
While the material covered at other grade levels is certainly different, it is clear that the first couple of years in school are the most important for development . The increase in rit_score for Grades 1- 4 are significantly higher, and this is consistent at each lower grade school

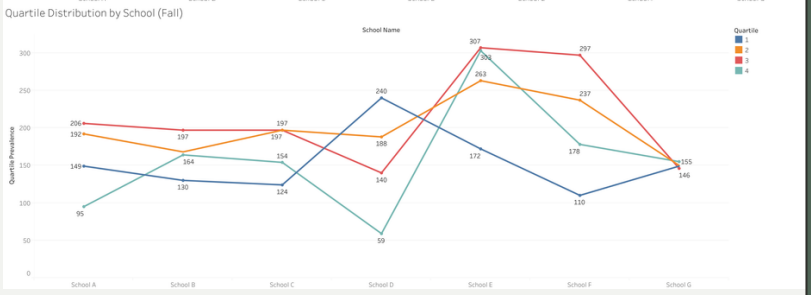
Notes About The Data

- School E has the largest population of students recorded
- Approx. 10% of the original data had no rit_score
- Data missing for Grade 4 for School F
- Data missing for Grades 3 and 4 for School G
- There are more scores recorded in the Fall than in the Spring



Other Insights





SCHOOL E HAD THE LARGEST NUMBER OF STUDENTS JUMP INTO THE FIRST QUARTILE

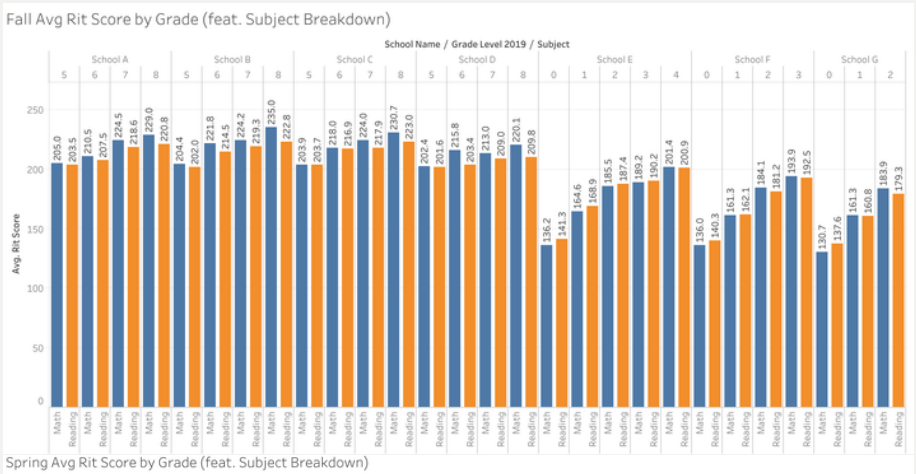
Insight Two

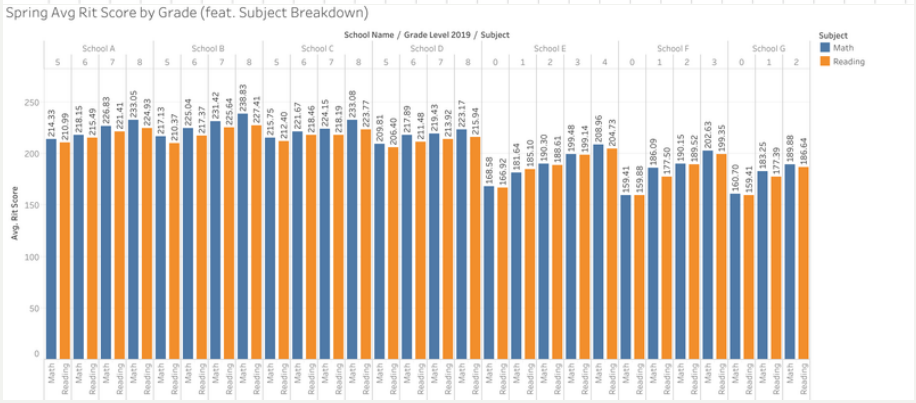
Despite having a larger population of students, School E has managed to show the best improvement for students rit_score with an increase of 46 students to that quartile. Meanwhile, School C has the largest drop in students nots just in the first quartile (17 less students), but the second quartile as well (tied with School B at 36 less students)

MATH SCORES ARE IMPROVING AT A FASTER RATE THAN READING

Insight Three

And finally, when looking at the rate of increase between Math Scores and Reading Scores it is obvious that our Math Curriculum is coming across more easily. While we do see jumps in overall Reading Scores, by the Spring Term there are only two groups that score higher in Reading than they do in Math (School E: Grade 1 , School F: Grade 0). Perhaps new approaches to teaching Reading skills could help improve results, or analyze Math Techniques that have been successful that might be applicable to Reading as well





With more time I would like to feature engineer details about whether each student improved their rit_score. When paired with other school years this could be used to analyze what schools perform consistently well/ poorly.

FOR DETAILS VISIT: https://github.com/BraedenWright/KIPP_analysis