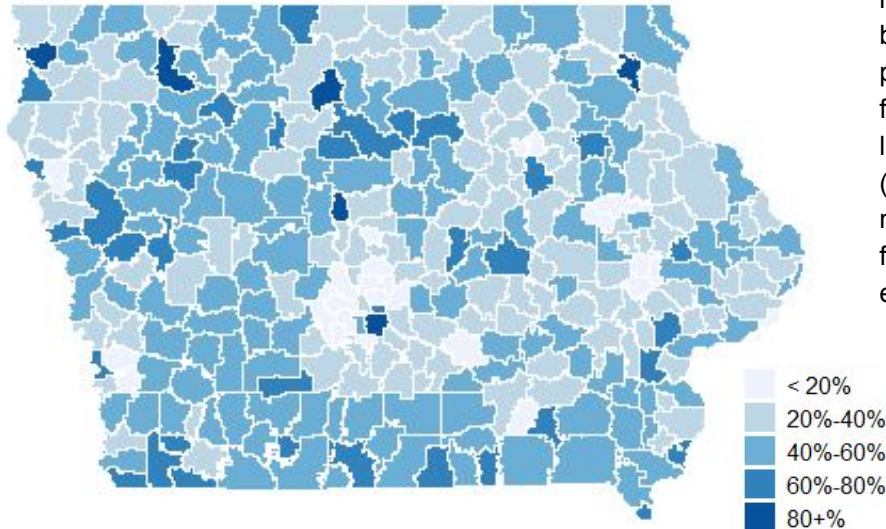


# What is the Relationship Between Free/Reduced Lunch (FRL) and Reading and Math Proficiency

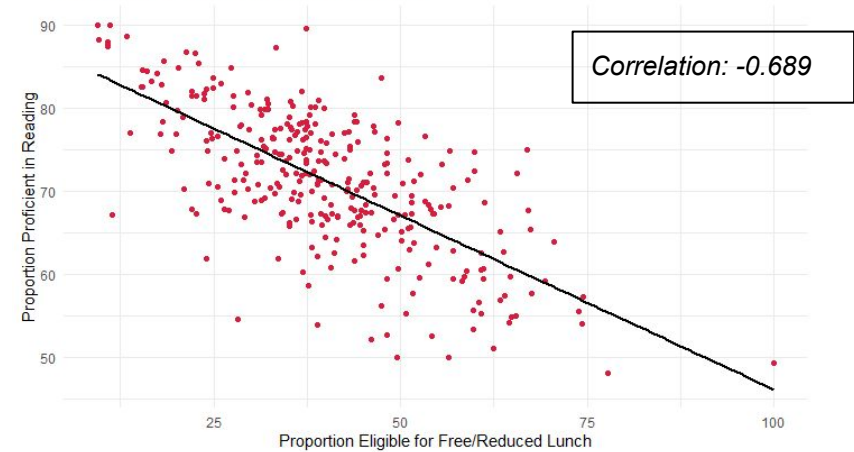
School Districts by Proportion of Students Eligible for Free/Reduced Lunch, 2020-2021



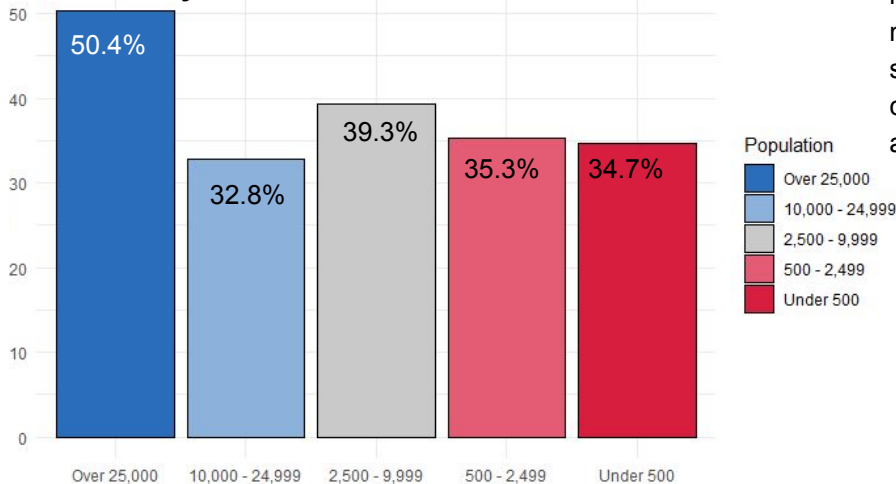
There is a strong negative relationship between reading proficiency and free/reduced price lunch eligibility (-0.689), as well as math proficiency and free/reduced lunch eligibility (-0.678).

Districts with higher proportions of students eligible for free/reduced lunch, they are more likely to have lower reading & math proficiency scores. This is a trend consistent for urban and rural areas.

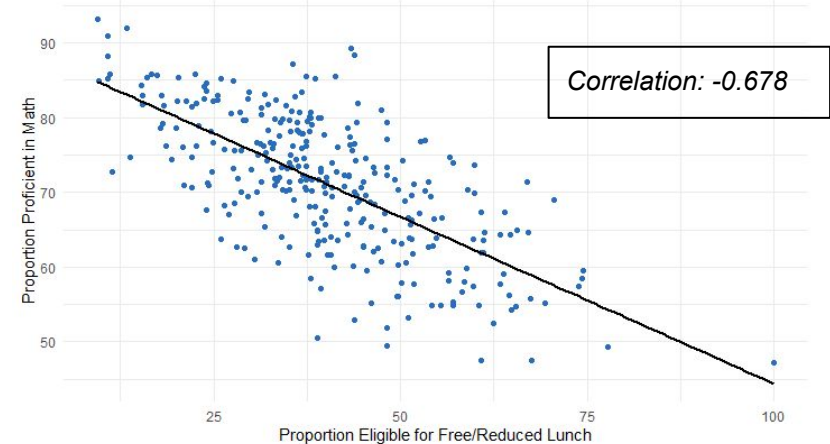
School Districts in Iowa by Percent of Students Eligible for Free/Reduced Lunch and Percent Proficient in Reading, 2018-2019



Percent of Students Eligible for Free/Reduced Lunch by Urban-Rural Classification, 2018-2019



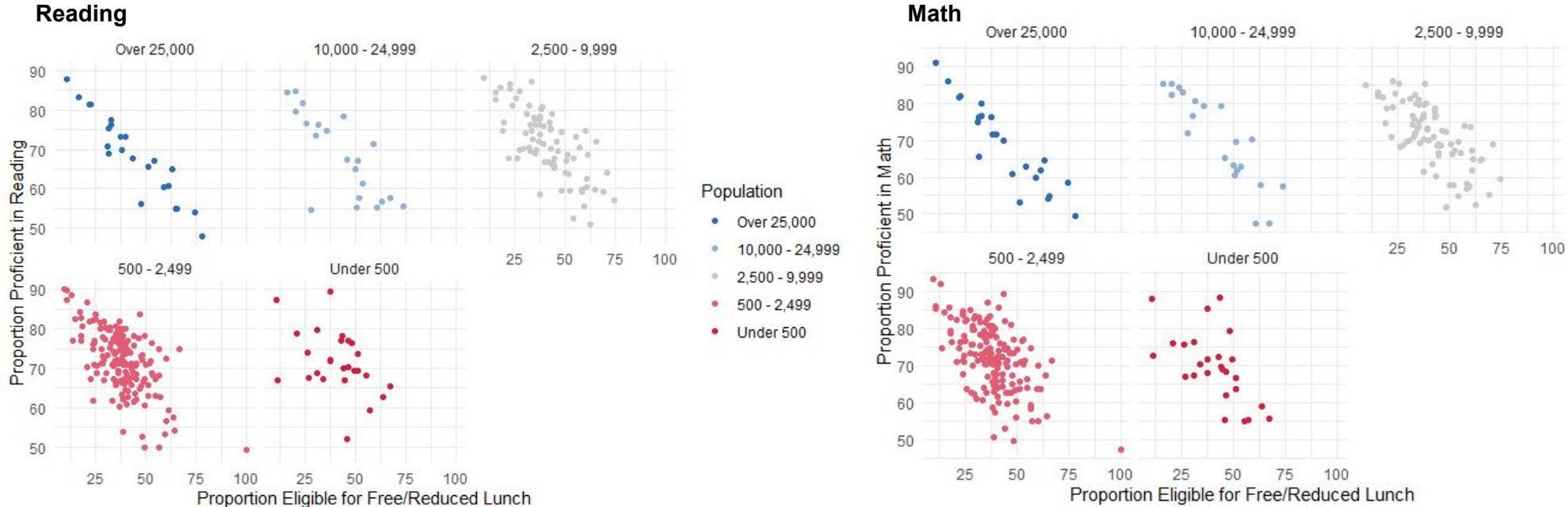
School Districts in Iowa by Percent of Students Eligible for Free/Reduced Lunch and Percent Proficient in Math, 2018-2019



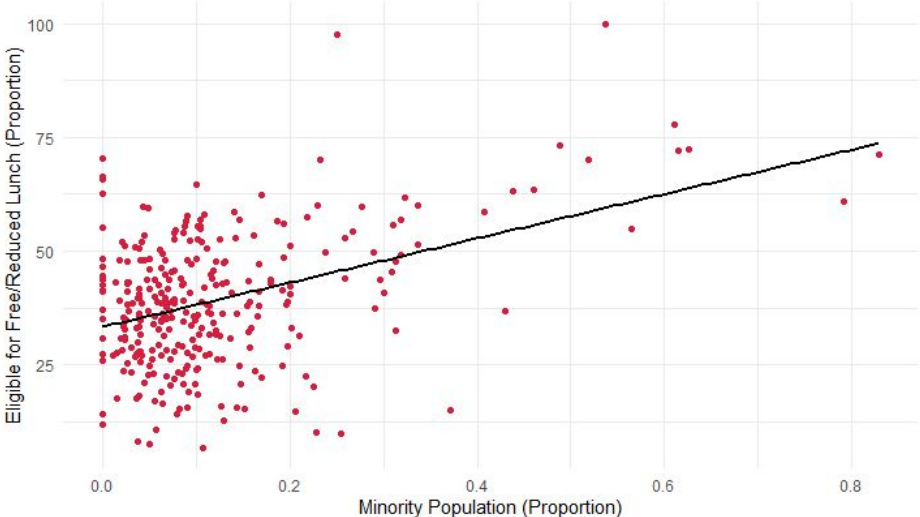
**Just the Facts**  
Educational Attainment

# What is the Relationship Between Free/Reduced Lunch (FRL) and Reading and Math Proficiency

School Districts in Iowa by Percent of Students Eligible for Free/Reduced Lunch and Percent Proficient in Reading and Math, 2018-2019



School Districts in Iowa by Percent of Students Eligible for Free/Reduced Lunch and Percent of Enrolled Minority Students, 2020-2021



School districts with a higher minority population are more likely to have a higher proportion of students eligible for free/reduced lunch, shown by the scatter plot to the left. Urban areas are also more likely to have higher proportions of students eligible for free/reduced lunch.

A negative correlation is found between school districts with high reading proficiency and districts with high percent of students eligible for free/reduced lunch among all population sizes. The same correlation is seen in math proficiency in all population groups.

**Additional Information**

For more information about the data sources, methodology and analysis used to create this document, visit the project website using this QR code.

