



REPORT

Data Visualization

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Dataset introduction

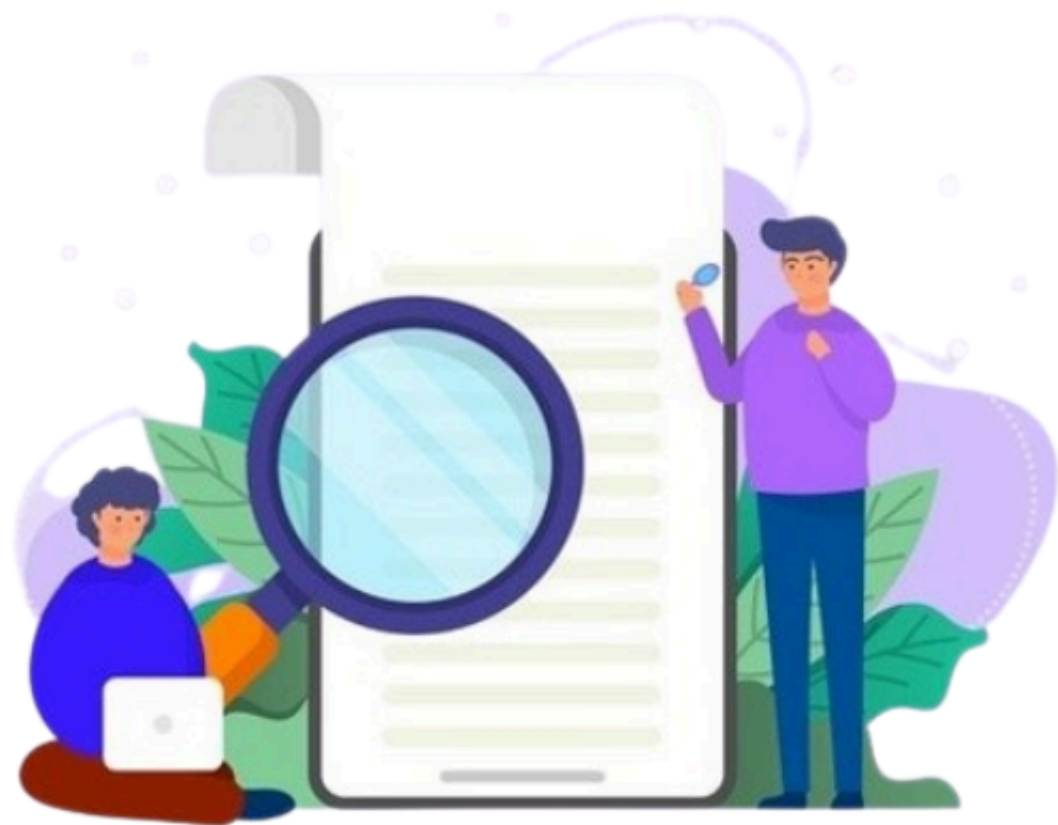


Columns:

- gender
- race/ethnicity
- parental level of education
- lunch
- math score
- reading score
- writing score



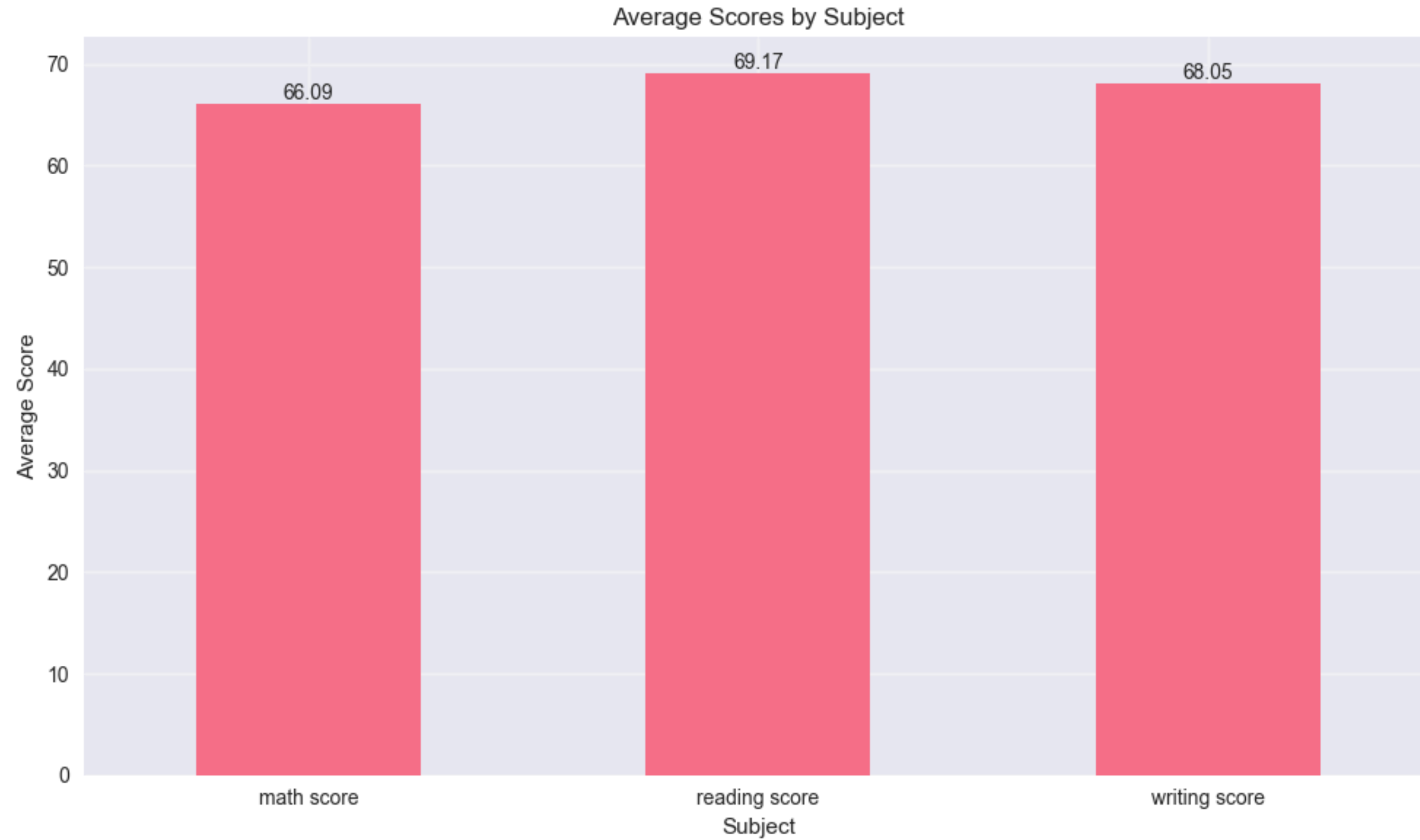
Content analysis



- **Analyze learning outcomes**
- Analyze by gender
- Analyze by parental level of education
- Analyze by lunch type
- Analyze by race/ethnicity



Calculate mean scores



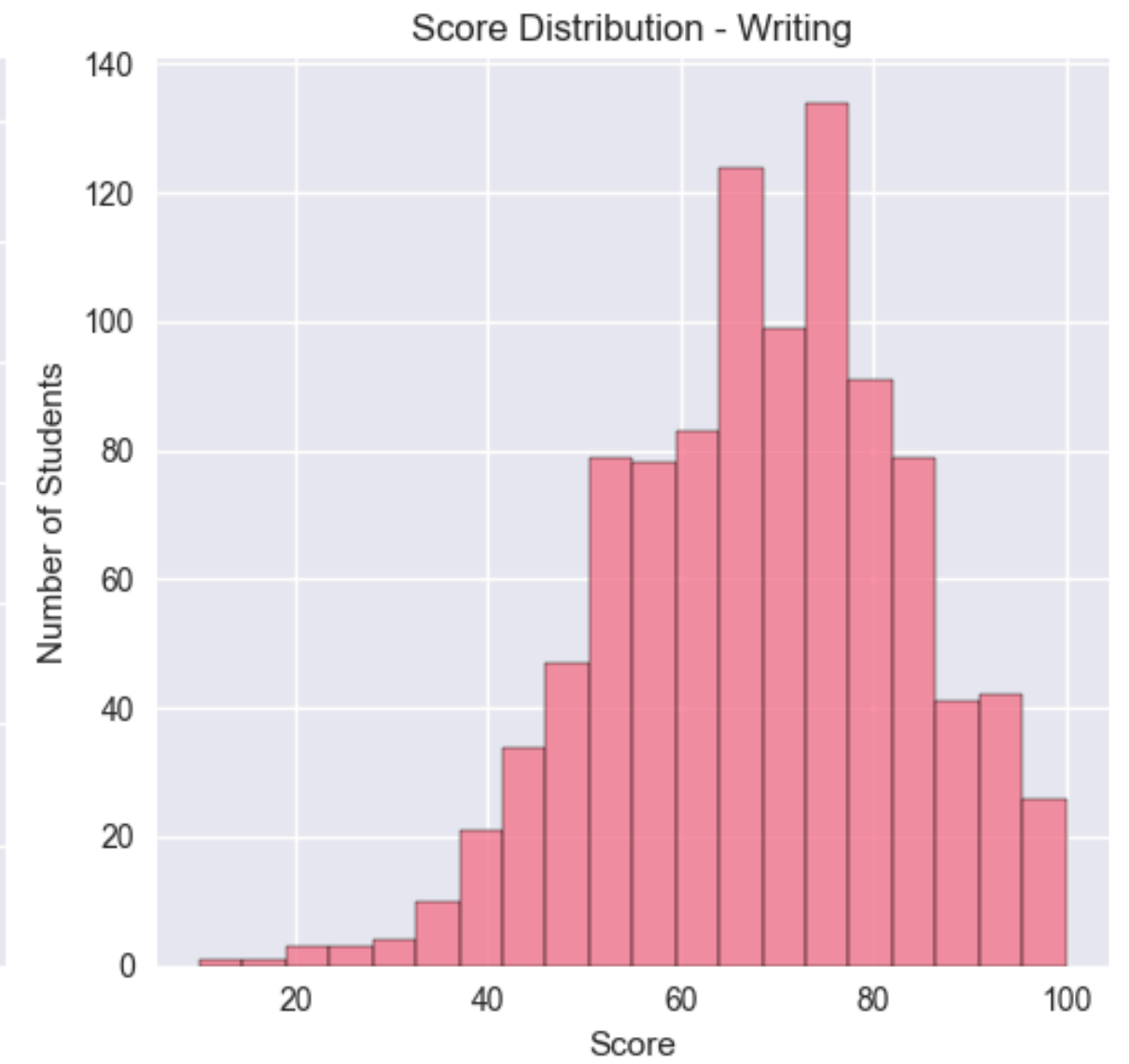
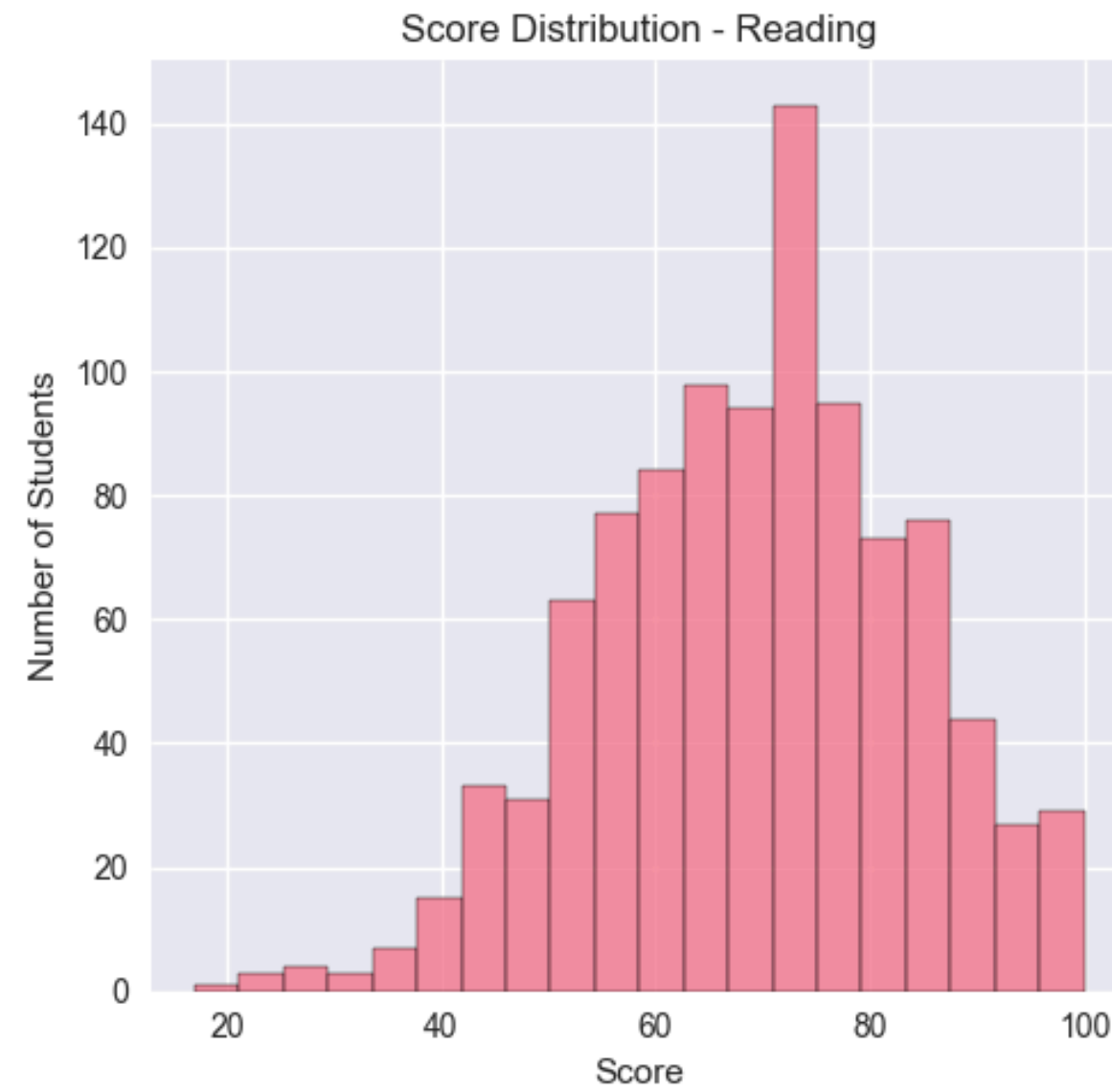
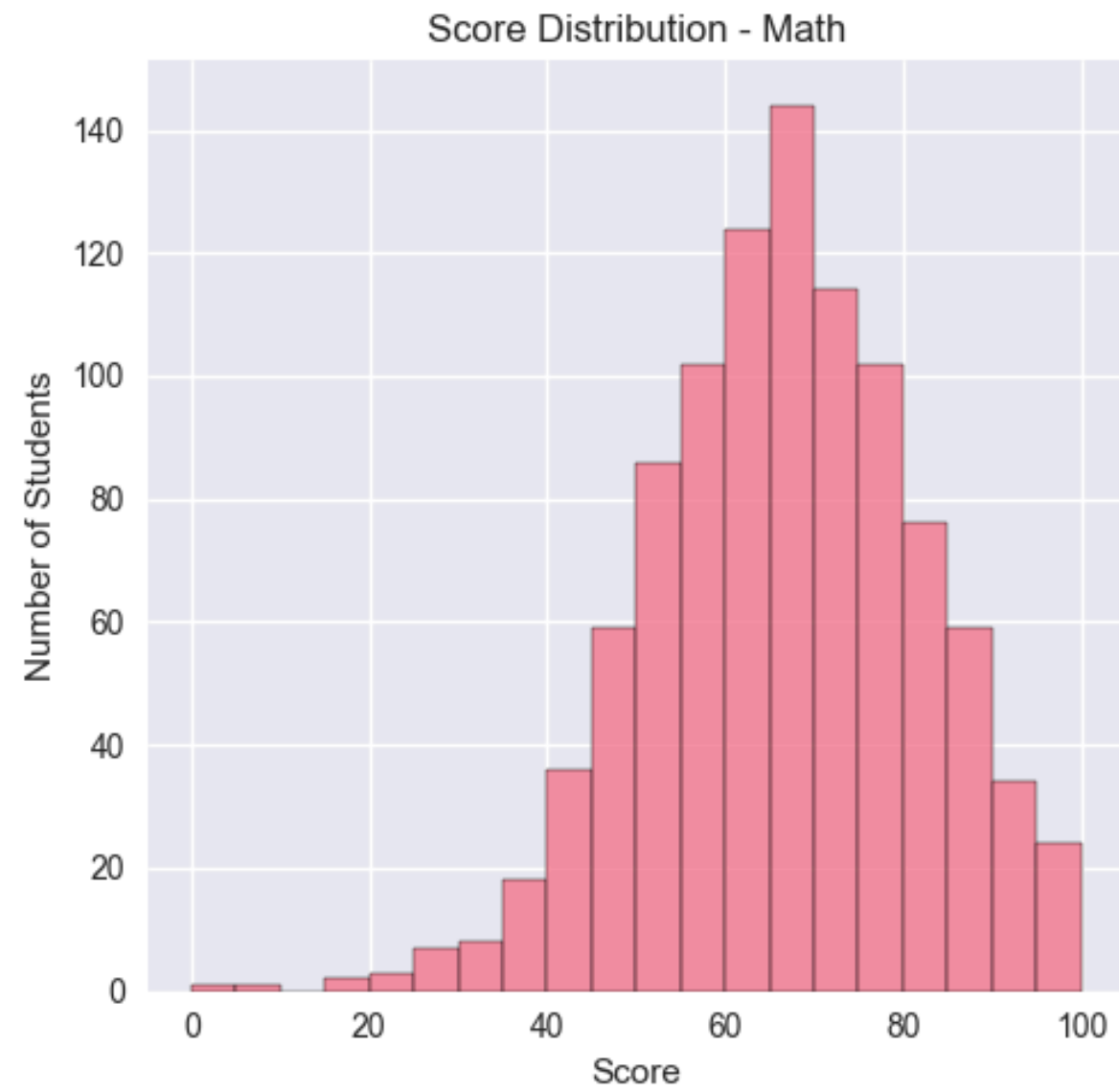


Compare score distributions



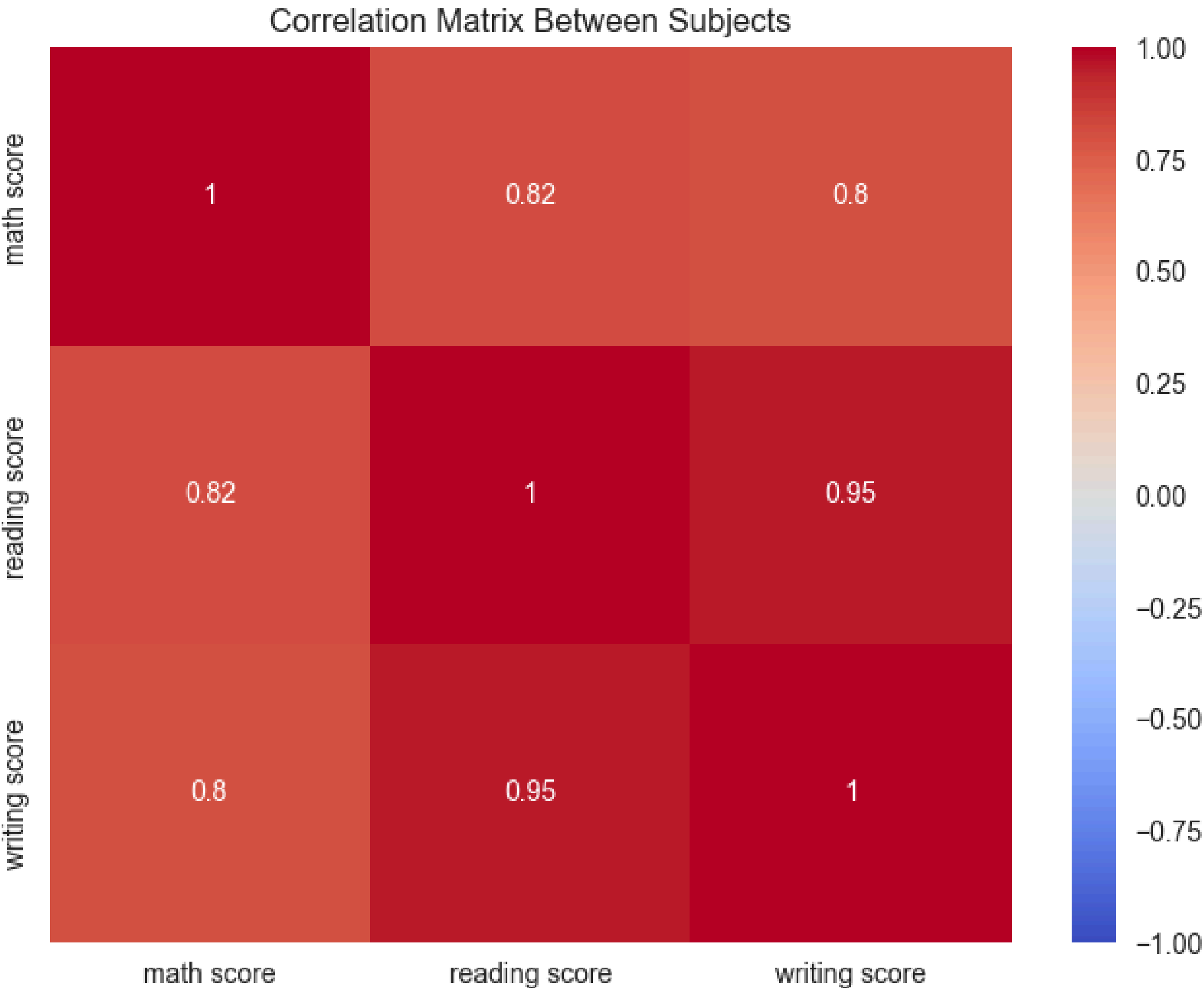


Compare score distributions



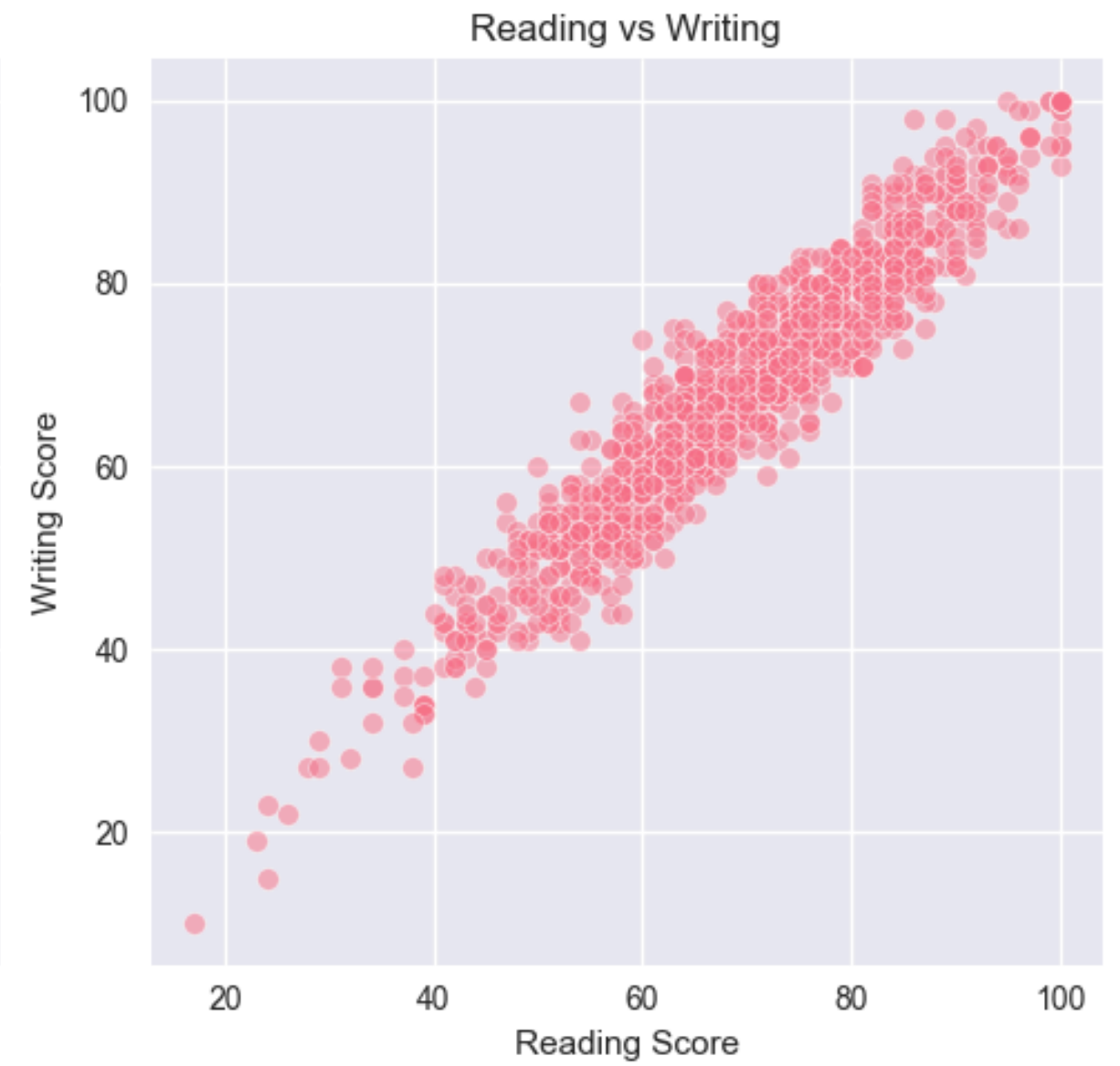
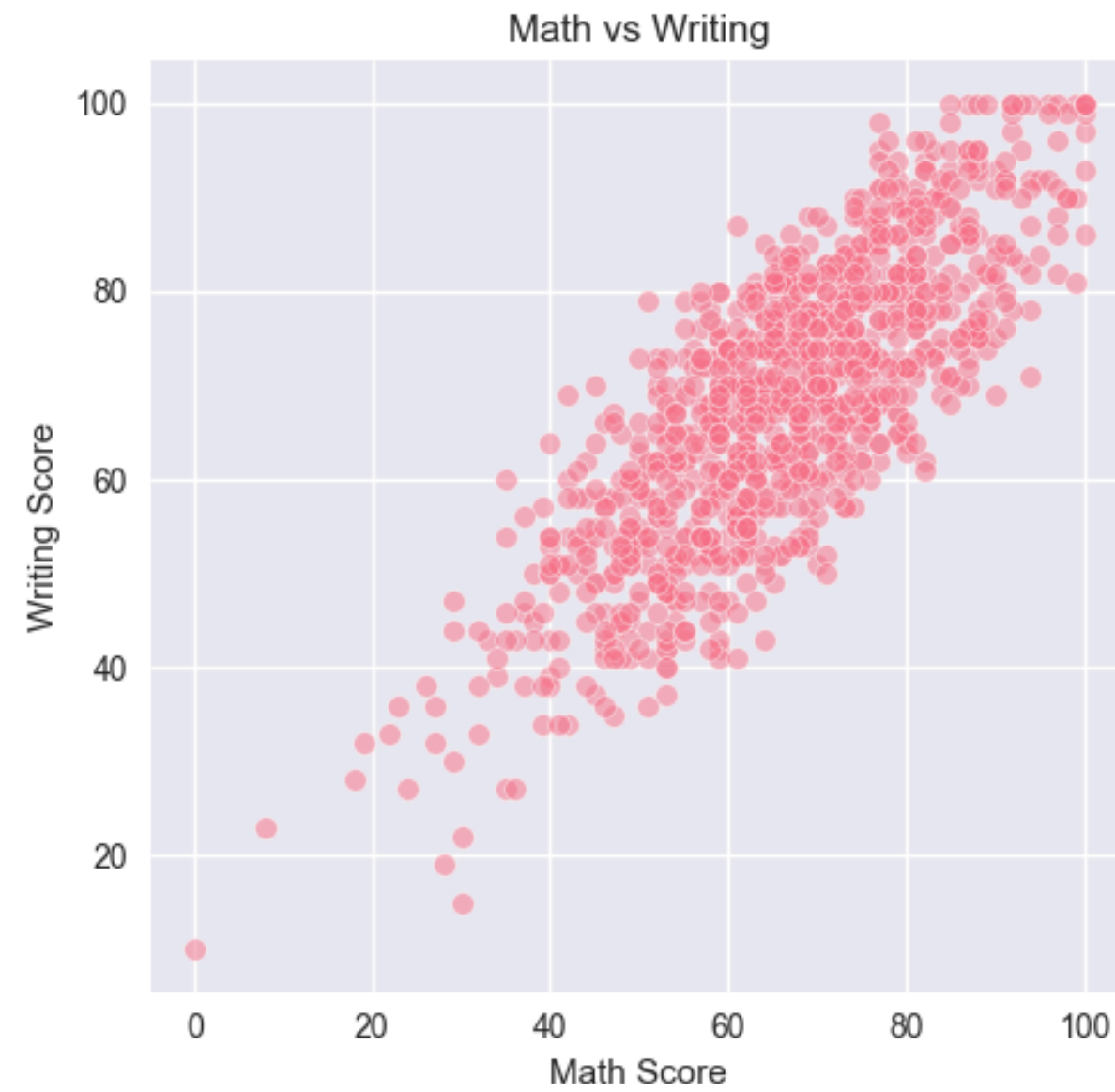


Relationships between subjects



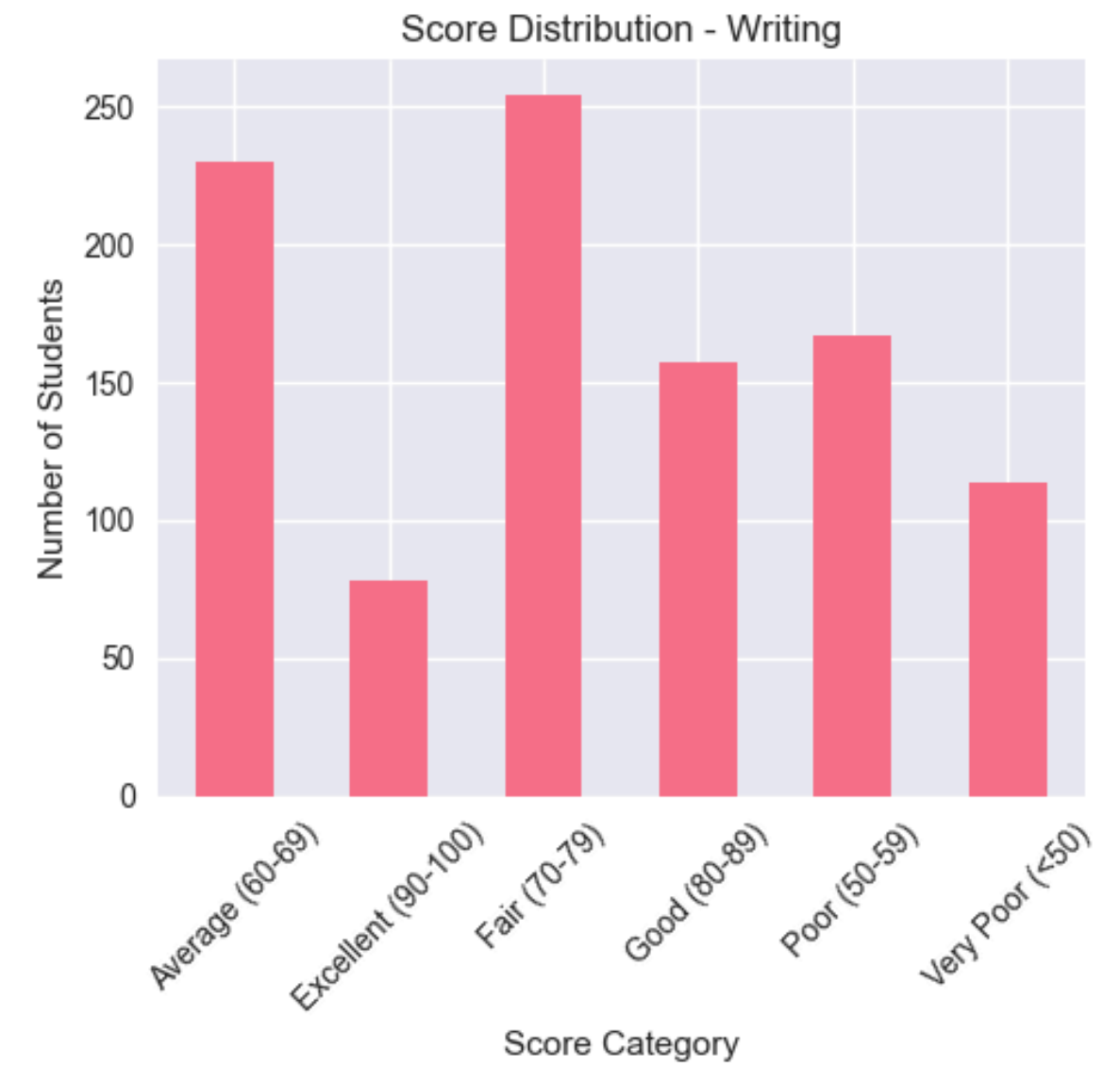
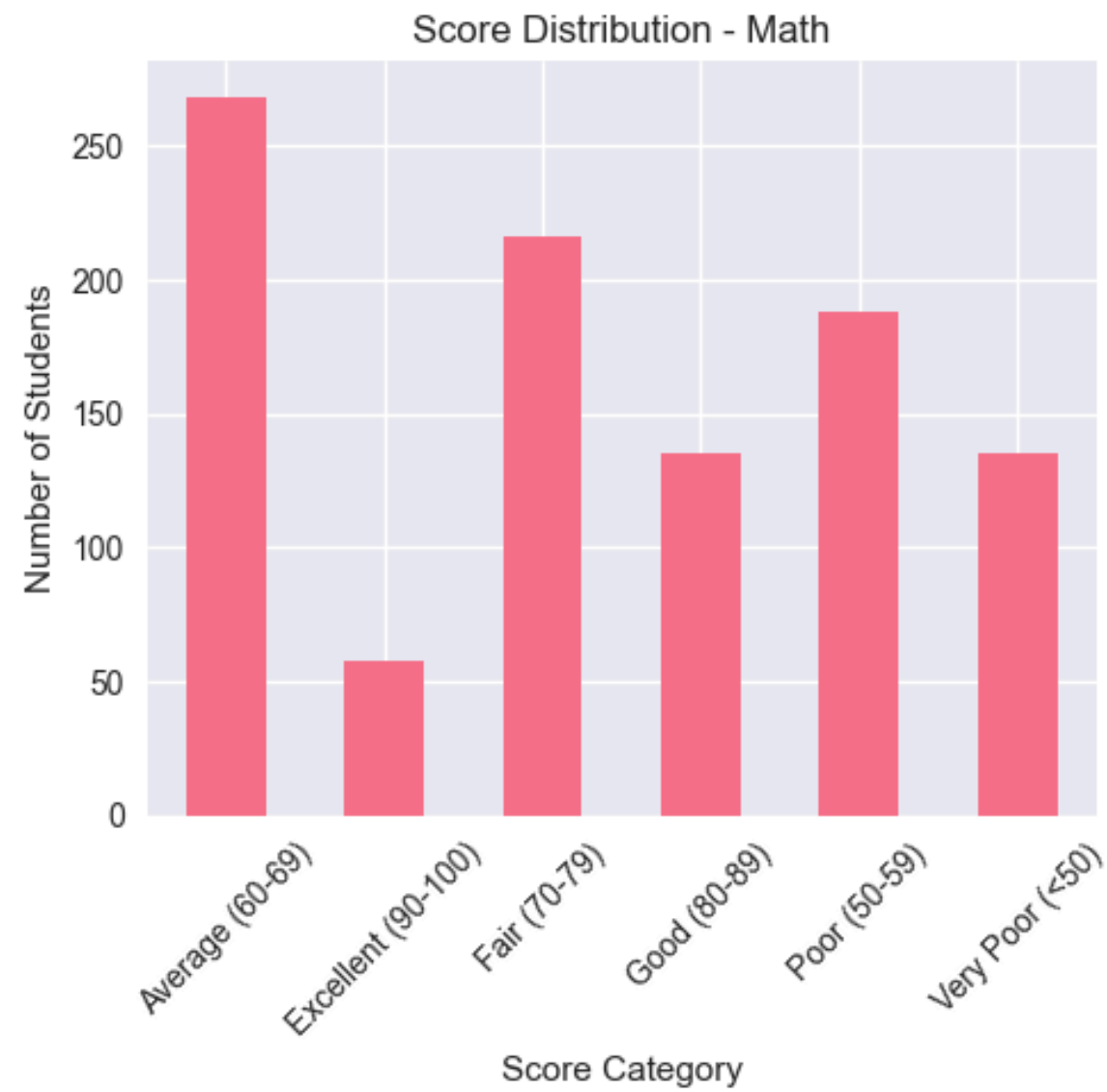


Relationships between subjects





Comparison for score distribution





Detailed distribution

Detailed Score Distribution by Subject





CONCLUSION

Support for students who are weak in Math

Review of Math Teaching Methods

Develop Reading and Writing strengths

More attention should be paid to outliers





*Thank
You*