

Examining Standardized Test Performances across California school districts

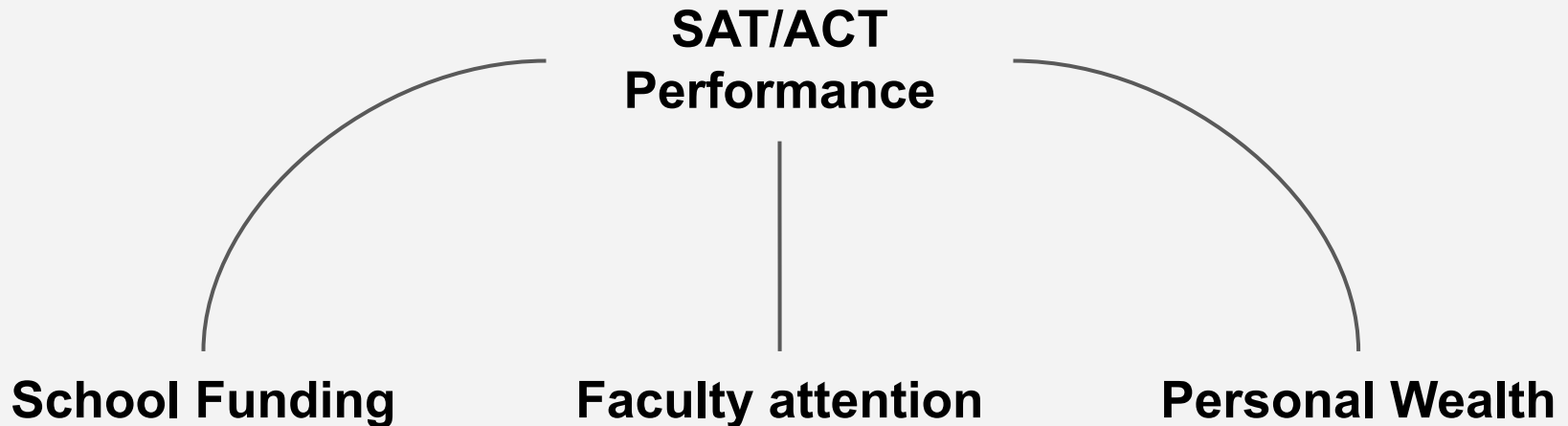
Derry Li

Questions Posed

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 - What factors contributes to good scores?

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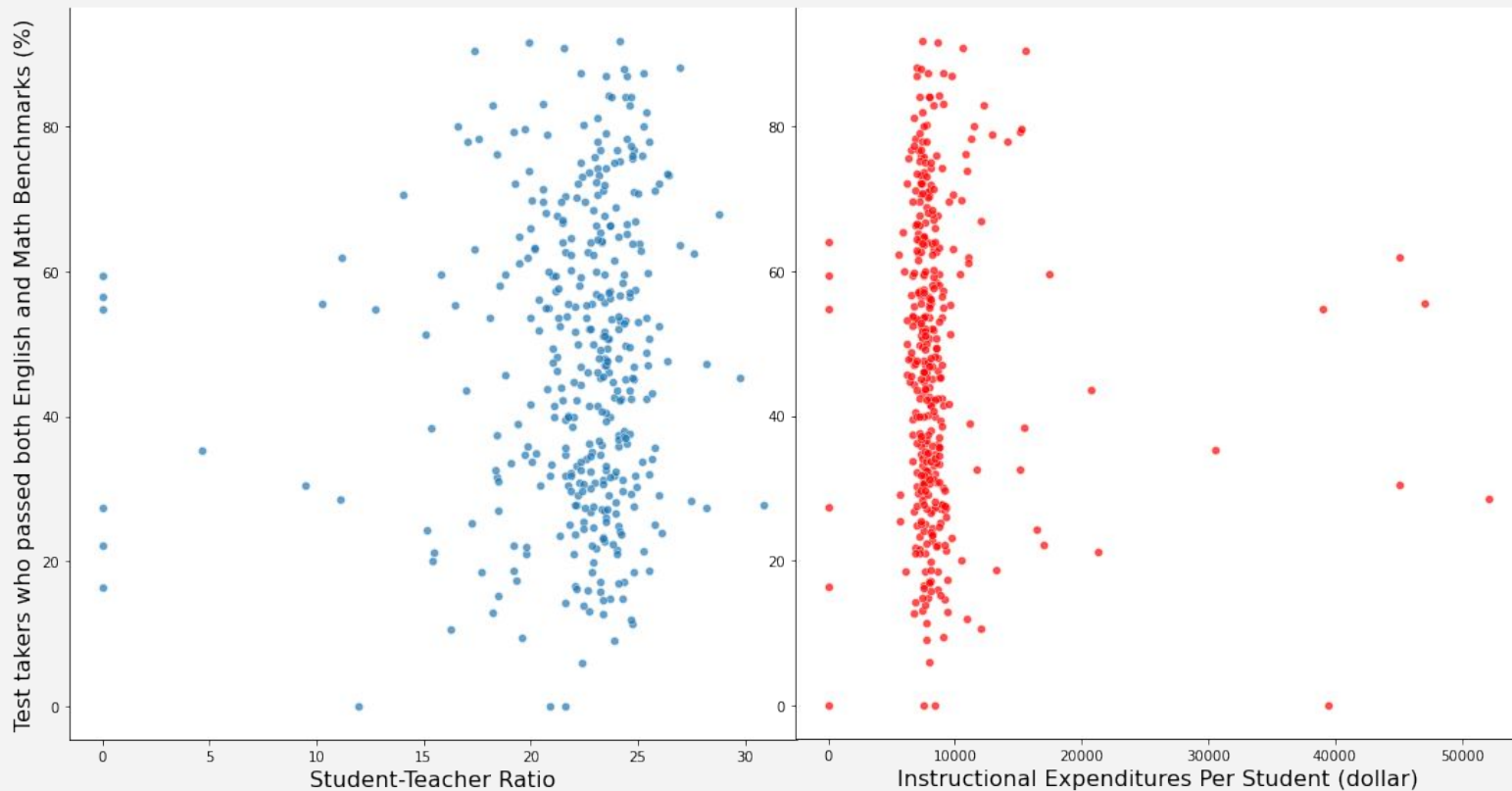
Problem Statement

We will explore **school funding**, **faculty attention**, and **personal wealth** measured in each school district to identify any relationships to standardized test scores, and provide recommendations accordingly.

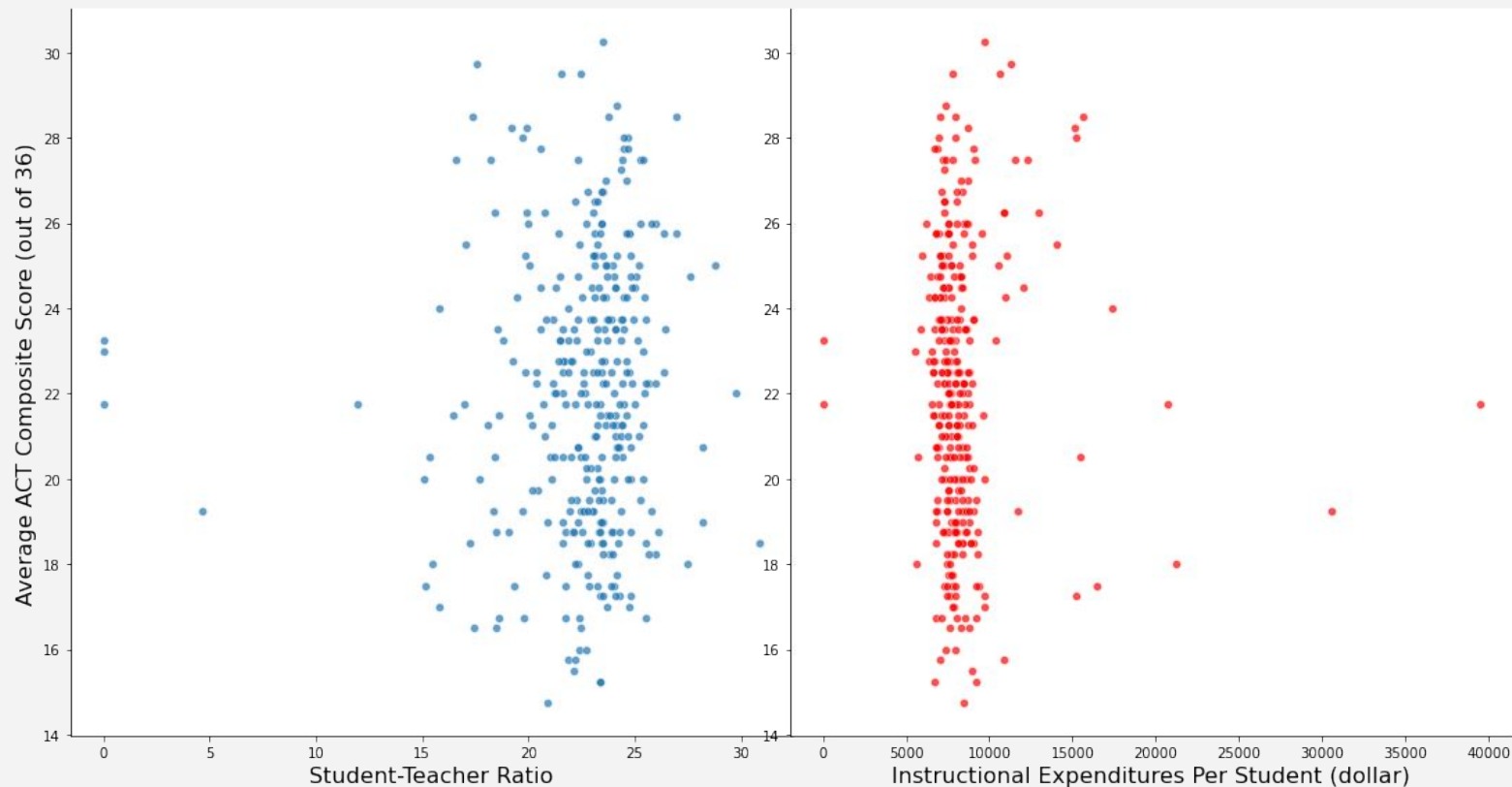
Data

- Each School Districts in California
- SAT & ACT
- **Instructional Expenditures per Student**
- **Student-Teacher Ratio**
- **Average Household Income**

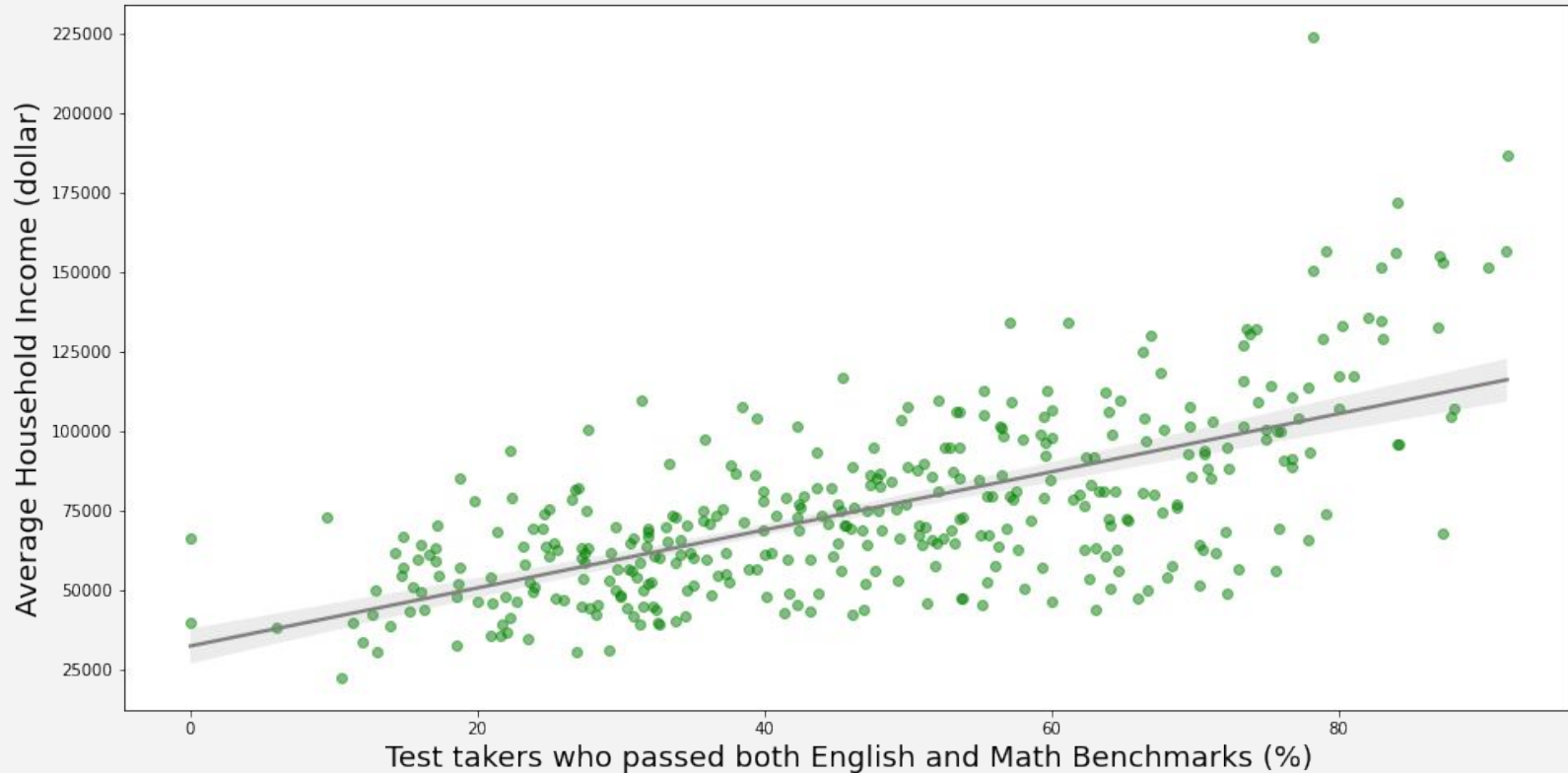
Student-teacher ratio and **Instructional expenditures** remain constant
as % of students passing **SAT** benchmarks changes



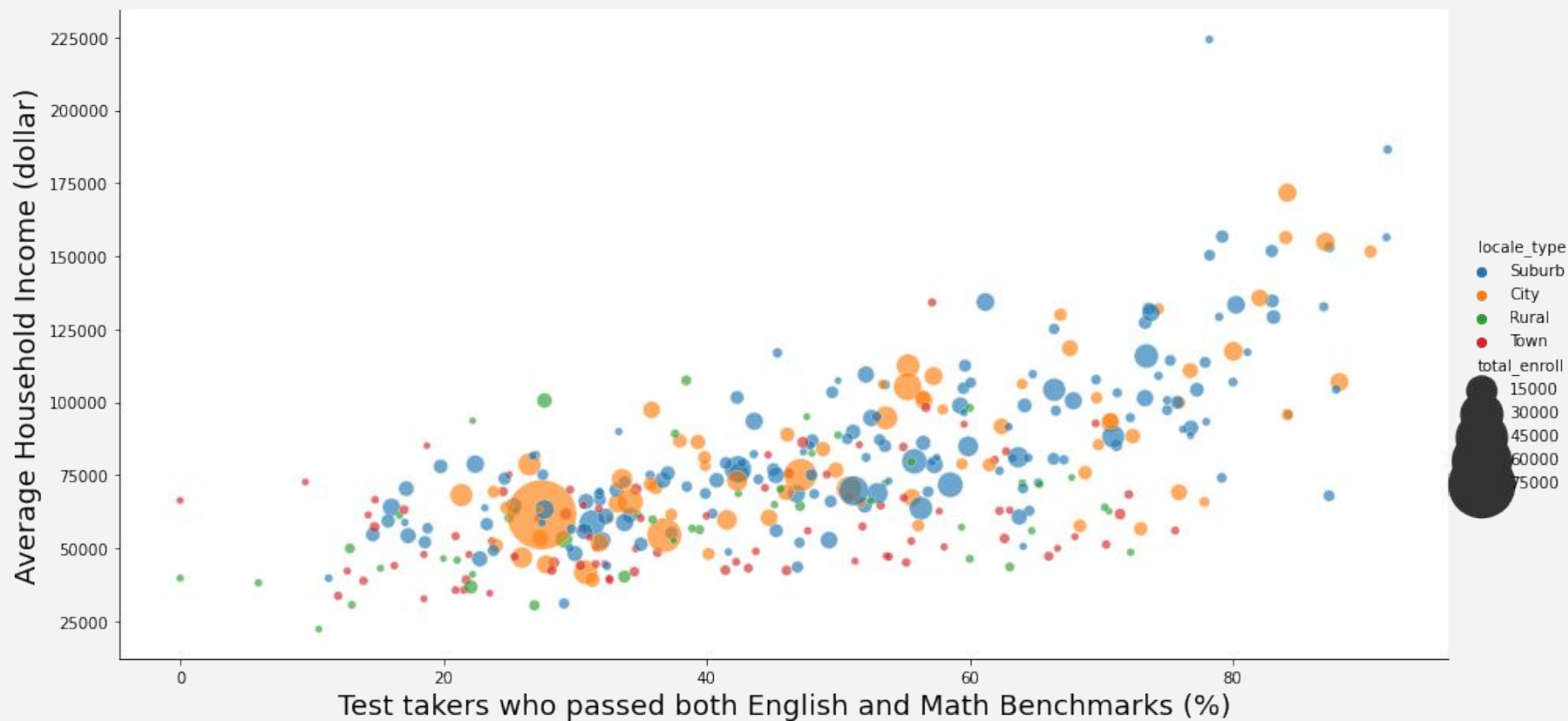
Student-teacher ratio and **Instructional expenditures** remain constant as Average **ACT** Composite Score changes



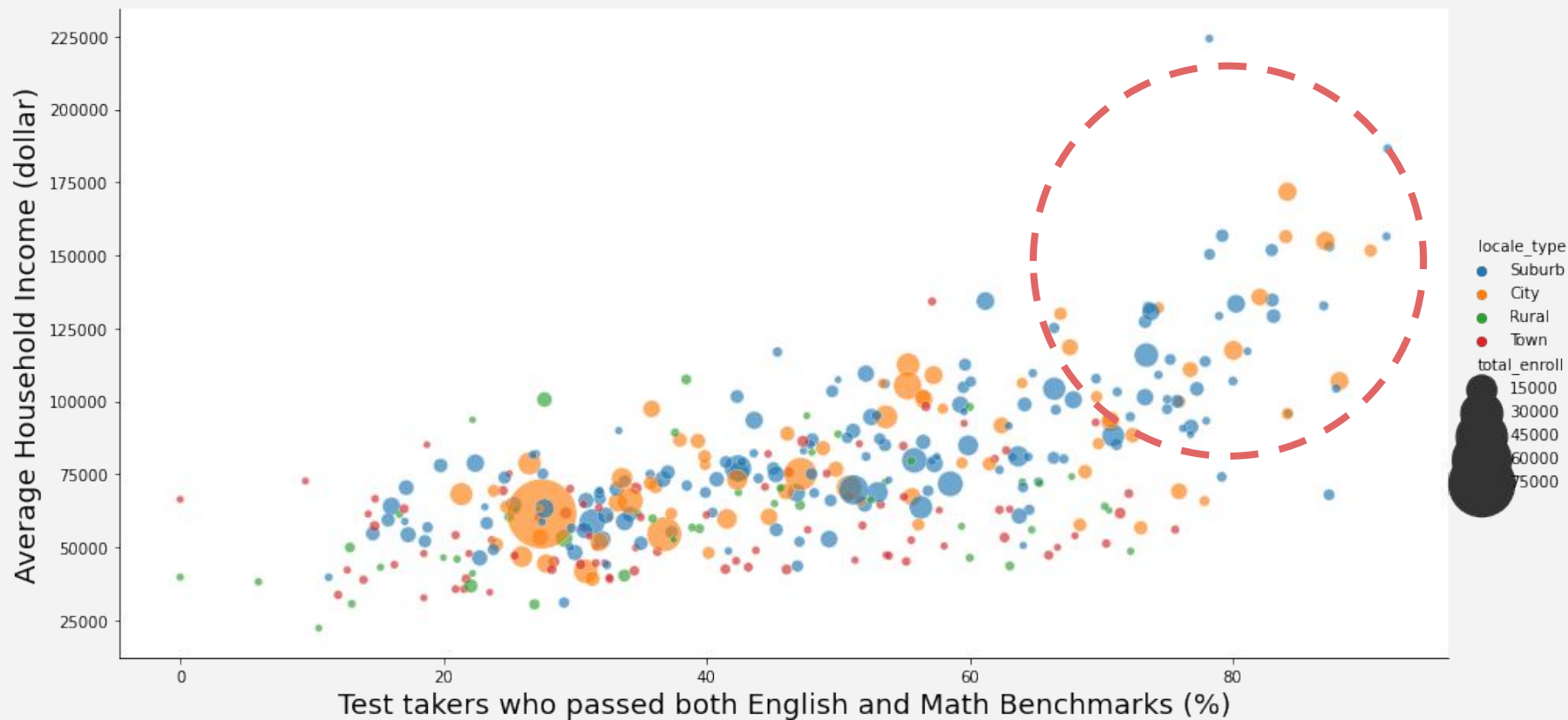
Percentage of students **passing SAT benchmarks** increases
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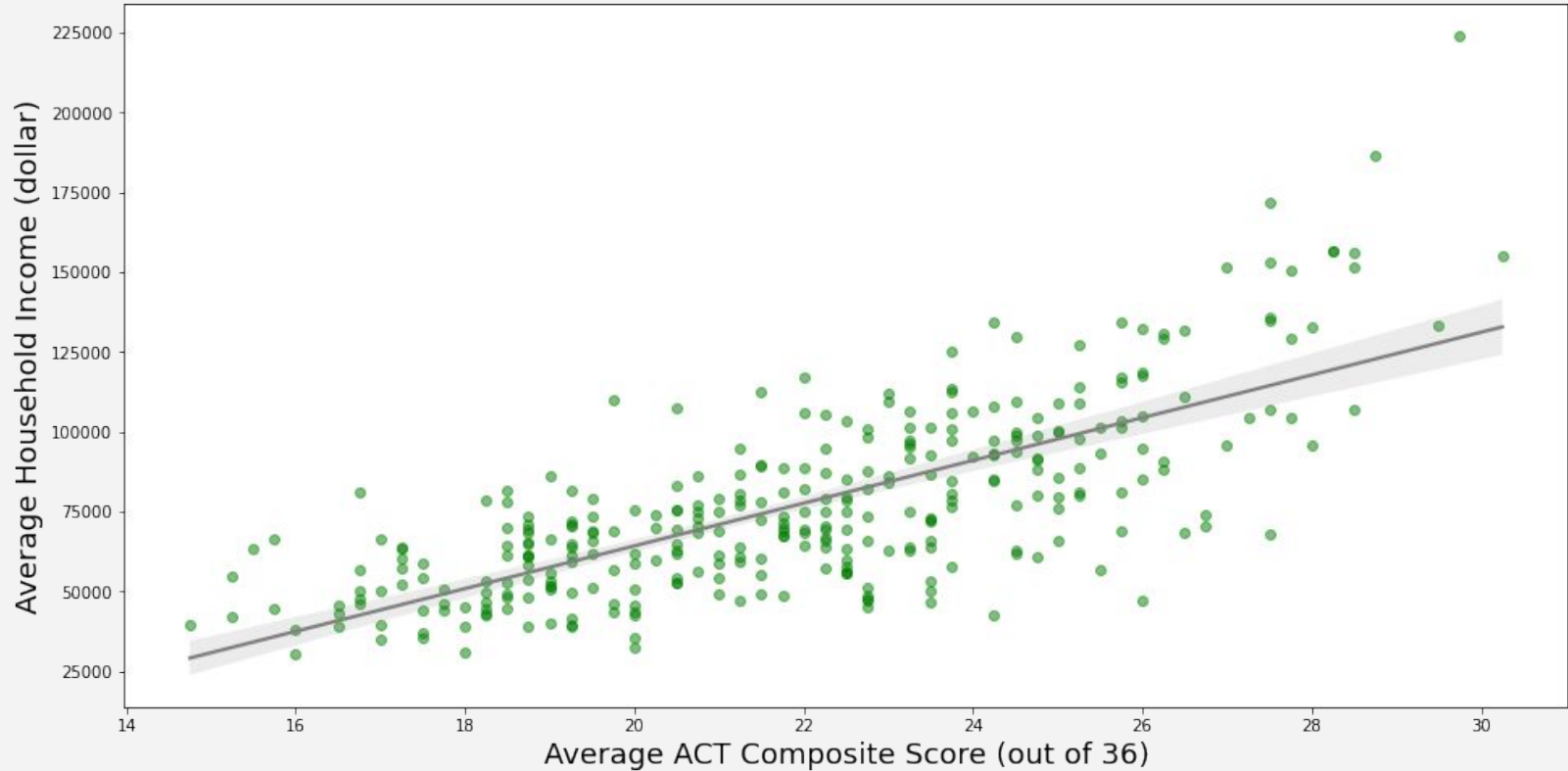
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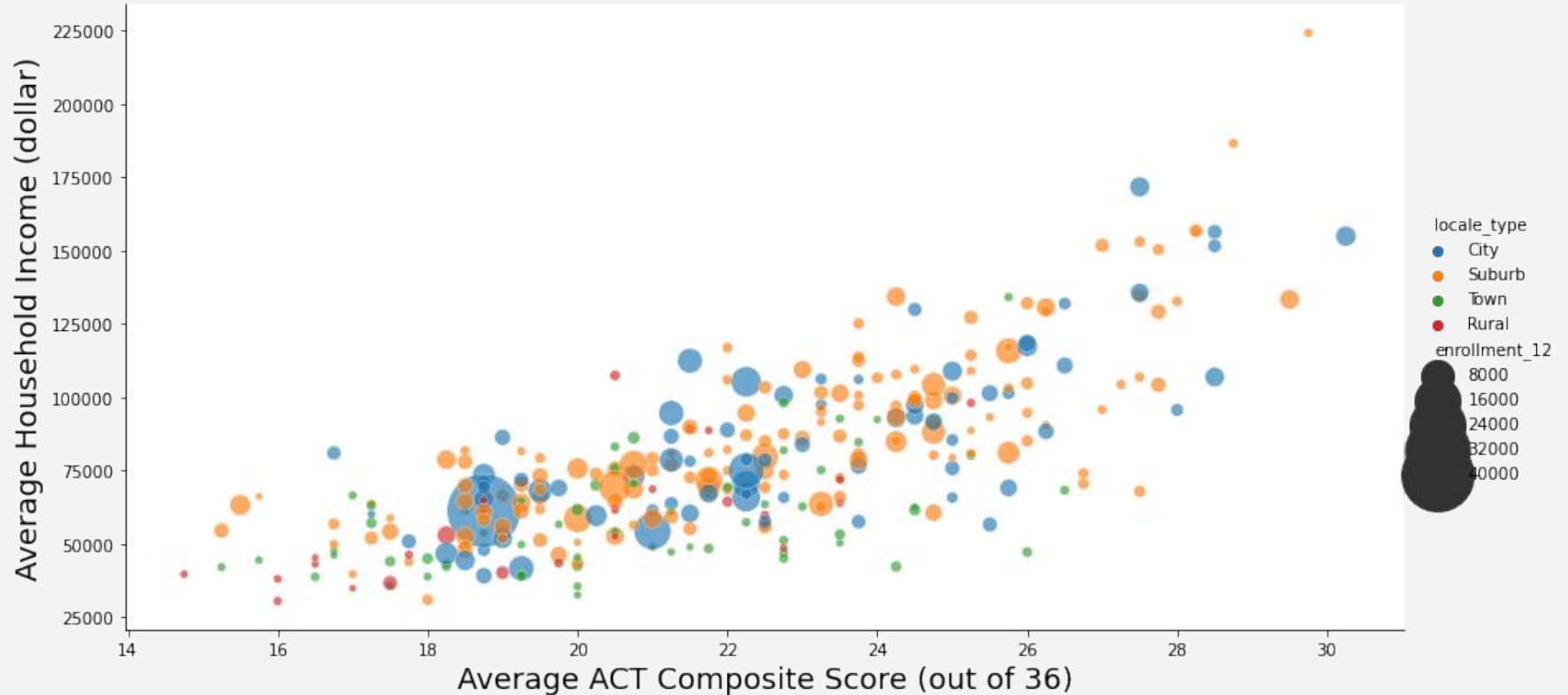
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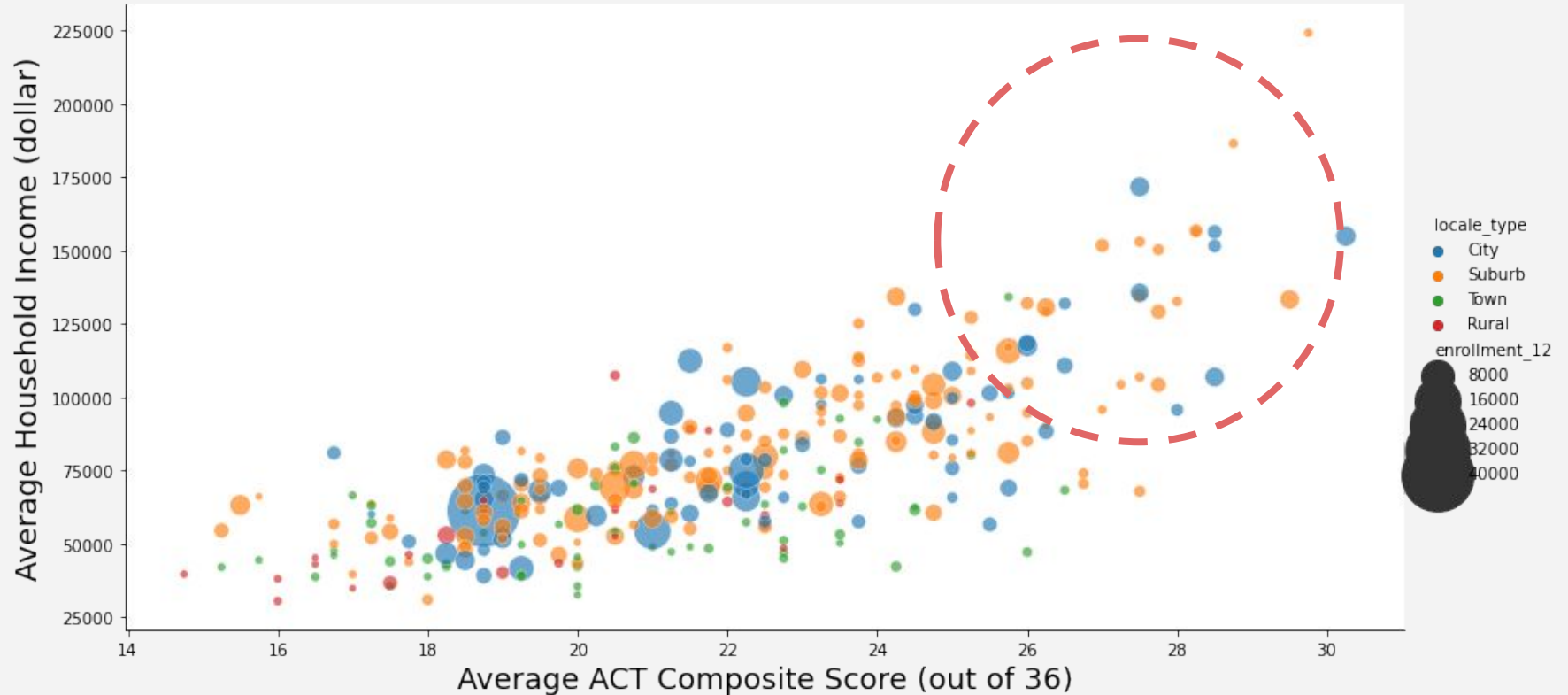
Average ACT composite score increases as average household income increases





Average ACT composite score increases as average household income increases




Average ACT composite score increases as average household income increases



Findings

- Student-Teacher-Ratio ✗
- Instructional Expenditures ✗
- Household Income  → SAT/ACT 
- City & Suburb vs Town & Rural

Conclusions

- School instructional fundings \neq better scores
- Faculty attention \neq better scores
-  helps with SAT / ACT prep
- Systemic Education Inequity

Recs: Targeted tutoring programs for test prep

Future Work

- More data on SAT / ACT tutoring
- Examine more relevant features
- Standardized Tests v.s. College Success