

SAT/ACT scores and Incomes in California

Project 1

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Outline

- Introduction
- Data Science Problem
- Findings
- Conclusions & Recommendations

Introduction

- SAT
- ACT

Data Science Problem

- Is there a relationship between SAT/ACT scores and Household Income in California?

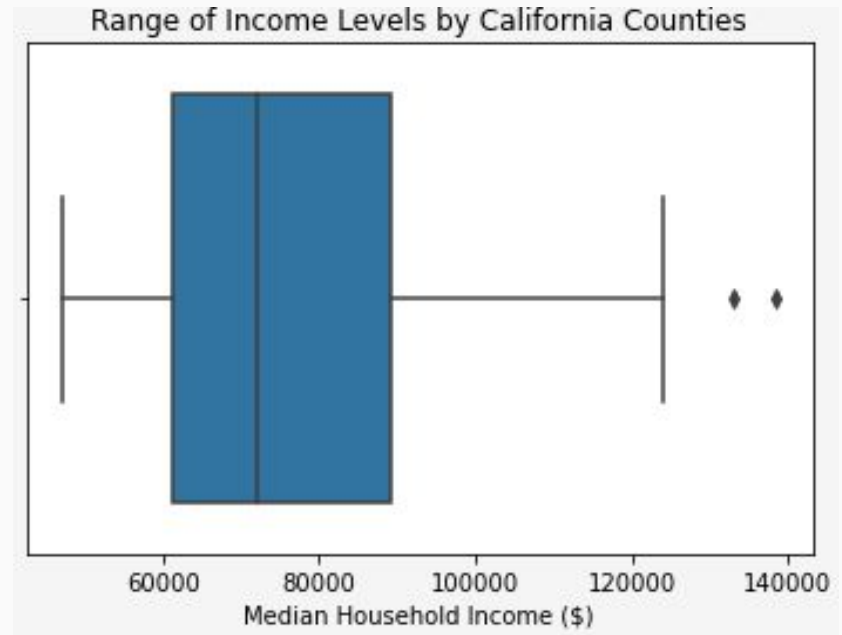
Findings

SAT, ACT and Income Data for 41 counties in California:

	county	sat_pct_12	sat_pct_11	act_read	act_eng	act_math	act_science	act_composite	income
0	el-dorado	0.731	0.868	25	24	25	24	24.50	87059
1	los-angeles	0.381	0.360	21	20	21	20	20.50	72797
2	madera	0.287	0.227	19	18	19	19	18.75	64827
3	yolo	0.583	0.740	23	23	23	23	23.00	71417
4	kern	0.359	0.521	21	20	20	20	20.25	53067

Findings

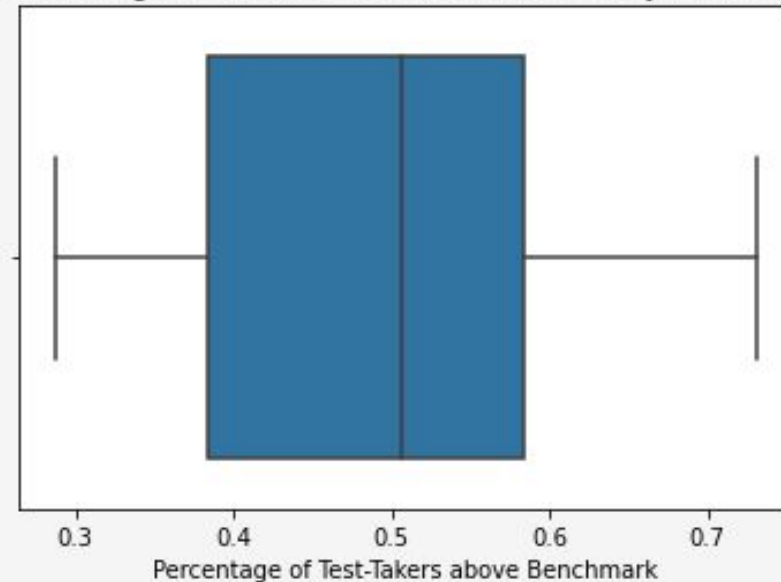
Income Levels in California:



Findings

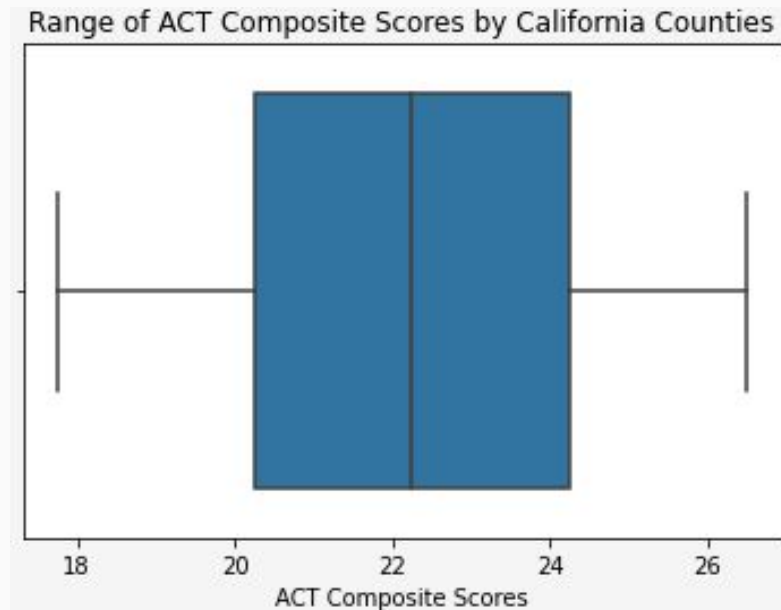
SAT Scores:

Range of Percentage of SAT takers above benchmark by California Counties



Findings

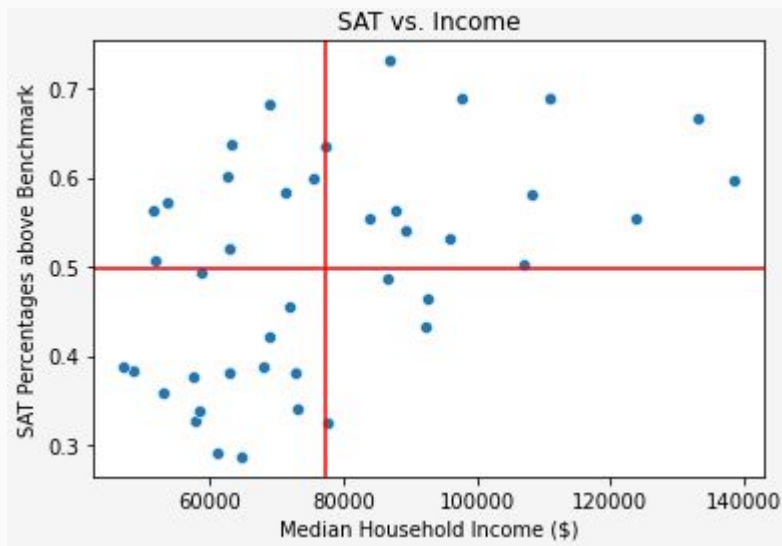
ACT Scores:



Findings

SAT vs. Income:

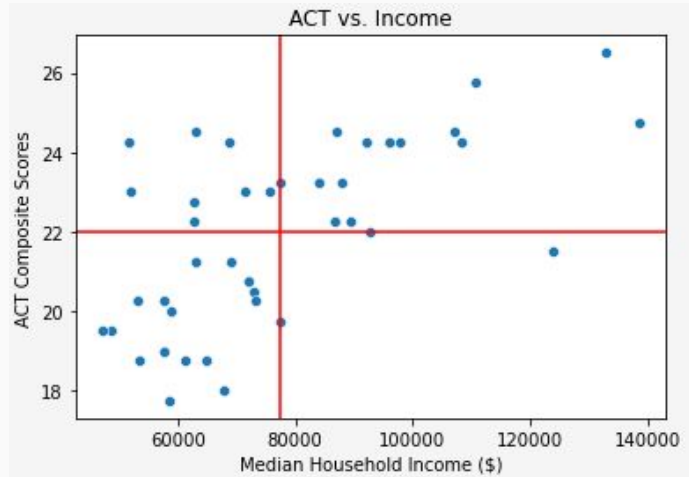
0.475862 Correlation



Findings

ACT vs. Income:

0.630821 Correlation



Conclusions & Recommendations

- More granular Research
- Further evaluation of impact from no SAT/ACT for UC admissions