What is the relationship between district-wide math test scores and district expenditures per student?

Yi= Bo+ B, Xi+ Ui (Population Regression Y=mathscore Model)

Yi= Bo+ B, Xi+ Ui (Population Regression Model)

X= exp per student

(OLS line Wo estimates)

Yi= (029 + 5(Xi)) (OLS W/ estimates)

 $\chi_{i=5}$ (\$5,000)

(029 + 5(5) = (054 math test score

When expenditues

per student = \$5,000

district-wide math

Bo= 629 average test score when expenditues per studen = \$\$

Bi= ~4.5 = a \$1000 increase in expenditures

per Stydnt is associated

with a 4.5 point

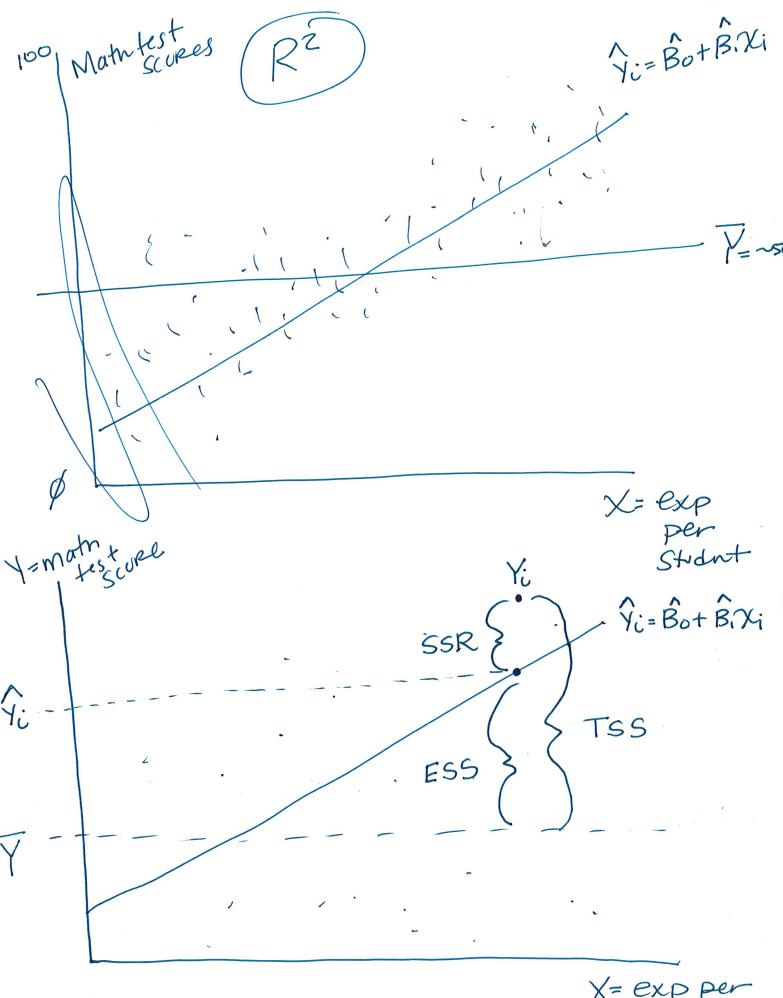
in crease in

district-wide math

test sure

National AY= 4.5 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{6}$

X= exp. per studnt \$000s



X= exp per Student

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	u.	