

THE RELATIONSHIPS BETWEEN ACT SCORE AND STATE EDUCATIONAL FUNDING

Niphon Chanlen



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NIPHON CHANLEN

BIRD SR.

Data Scientist Jr.

READ MORE

Agenda



Background



Analysis



Results

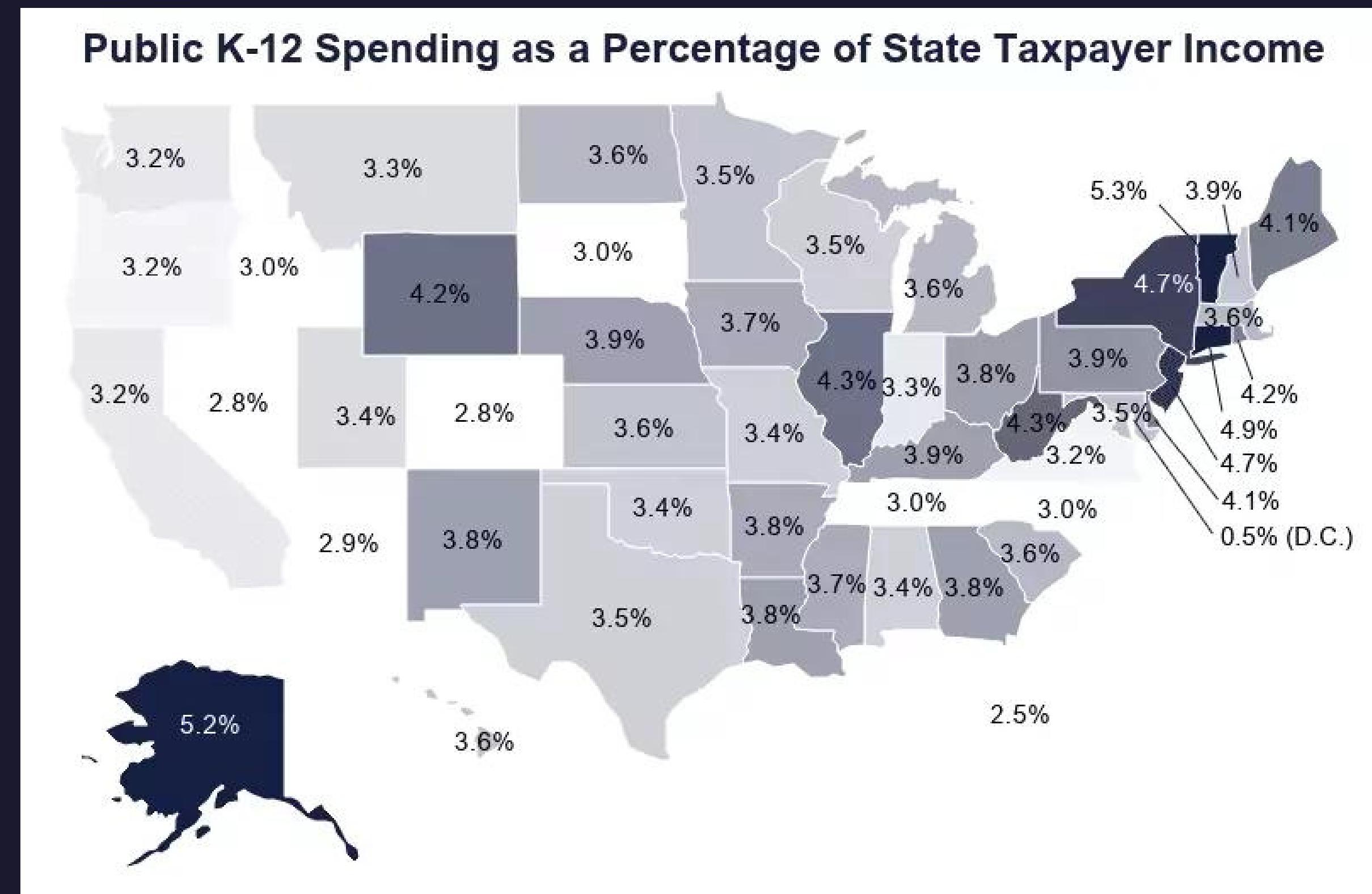


Conclusions and
Recommendations



Problem statements

How does states educational spending relate to students' standardized test scores (ACT) ?



Why ACT ?

American College Testing

"In the class of 2020, nearly 2.2 million test-takers completed the SAT at least once while about 1.7 million students took the ACT"

www.usnews.com/

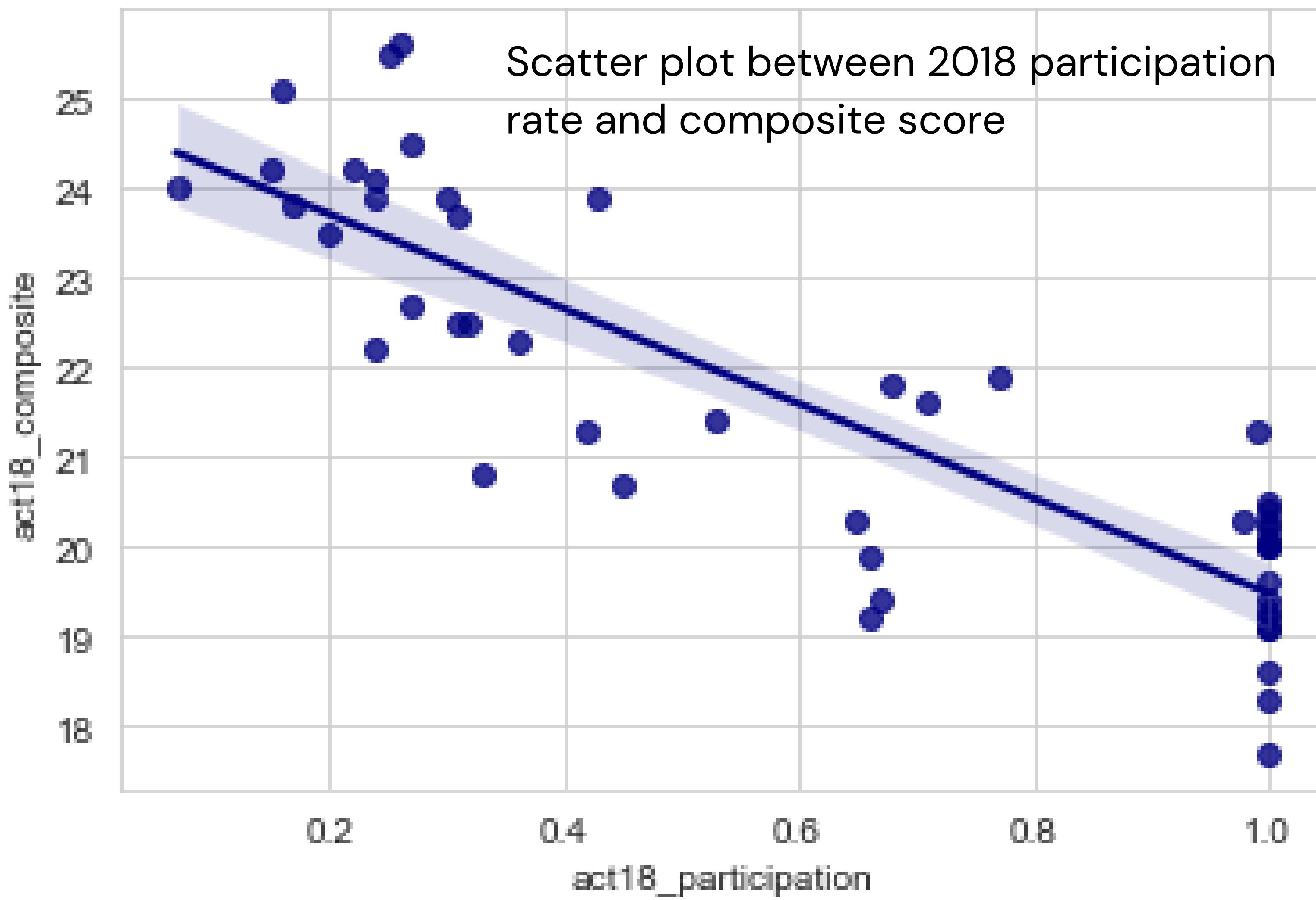
ACT

- English
- Mathematics
- Reading
- Science
- Writing (additional)

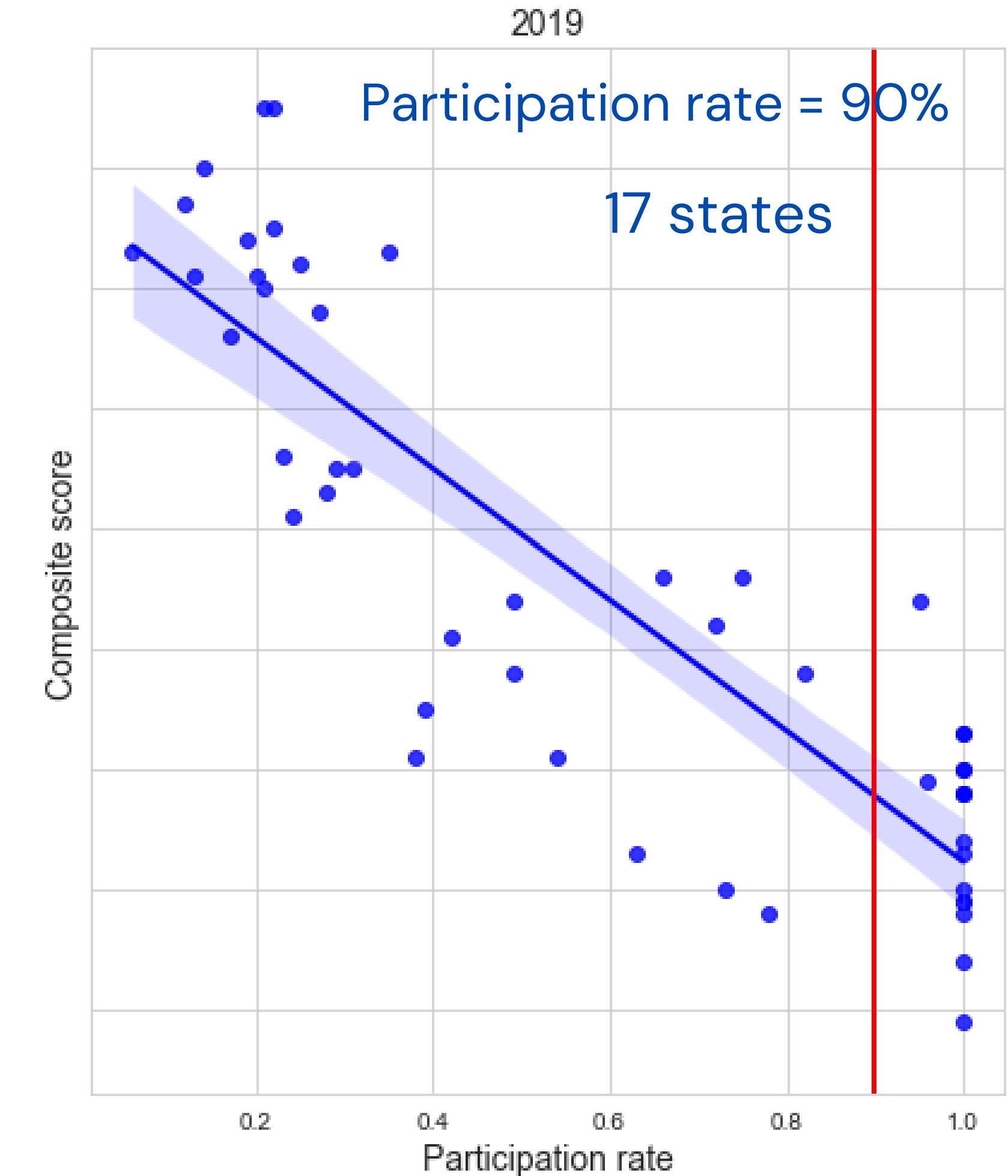
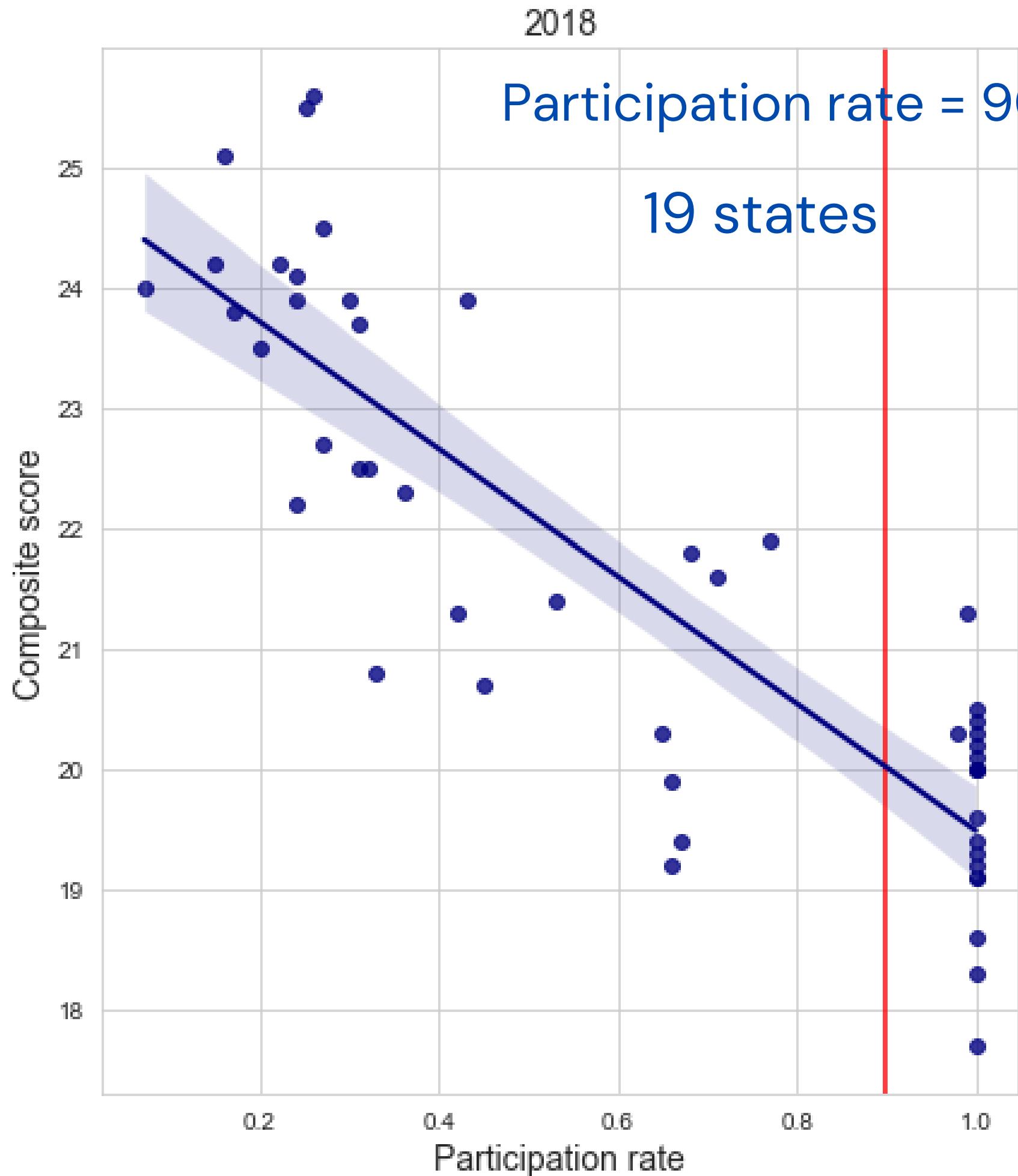
SAT

- Evidence-Based Reading and Writing
- Mathematics

Scatter plot between 2018 participation
rate and composite score

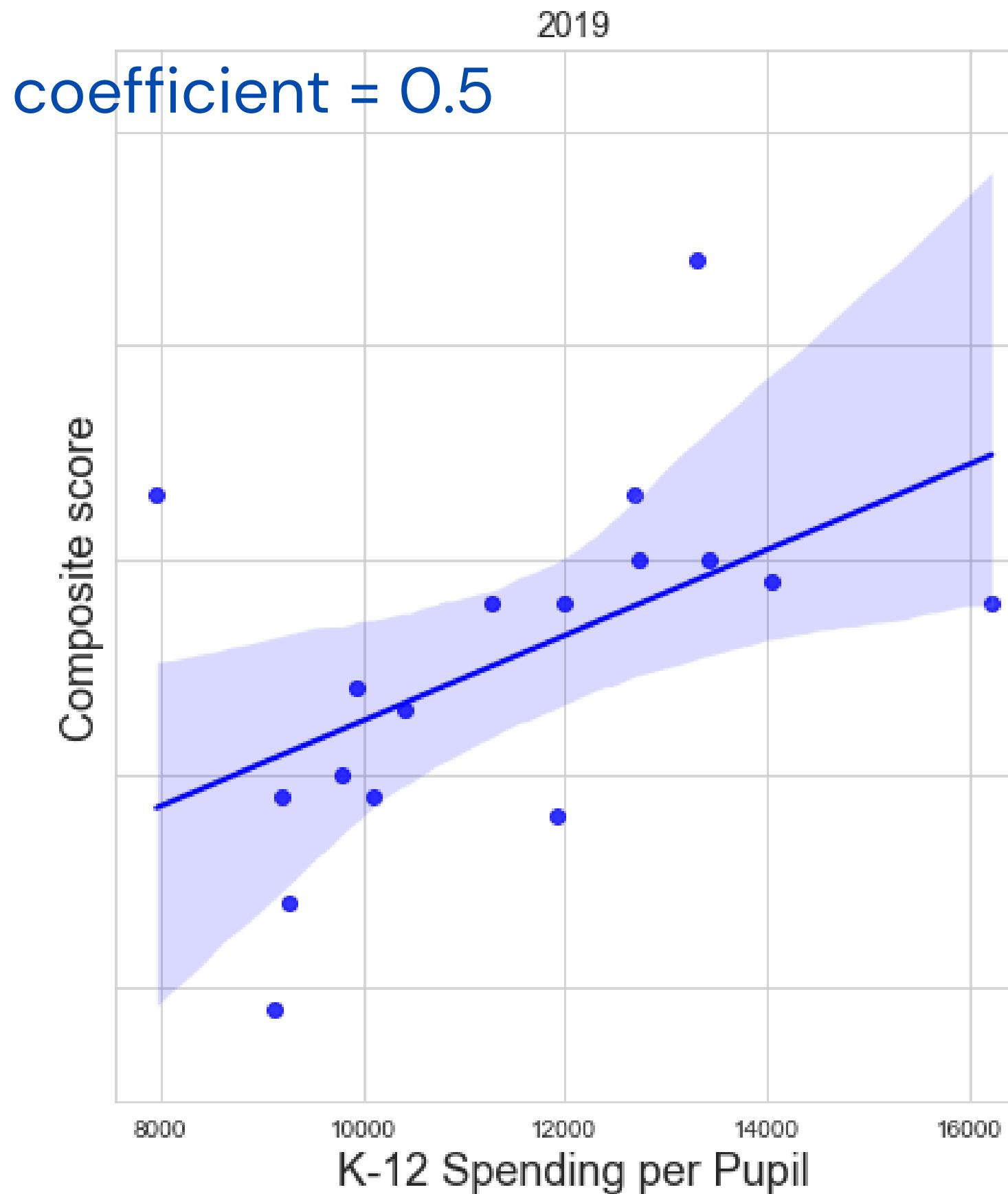
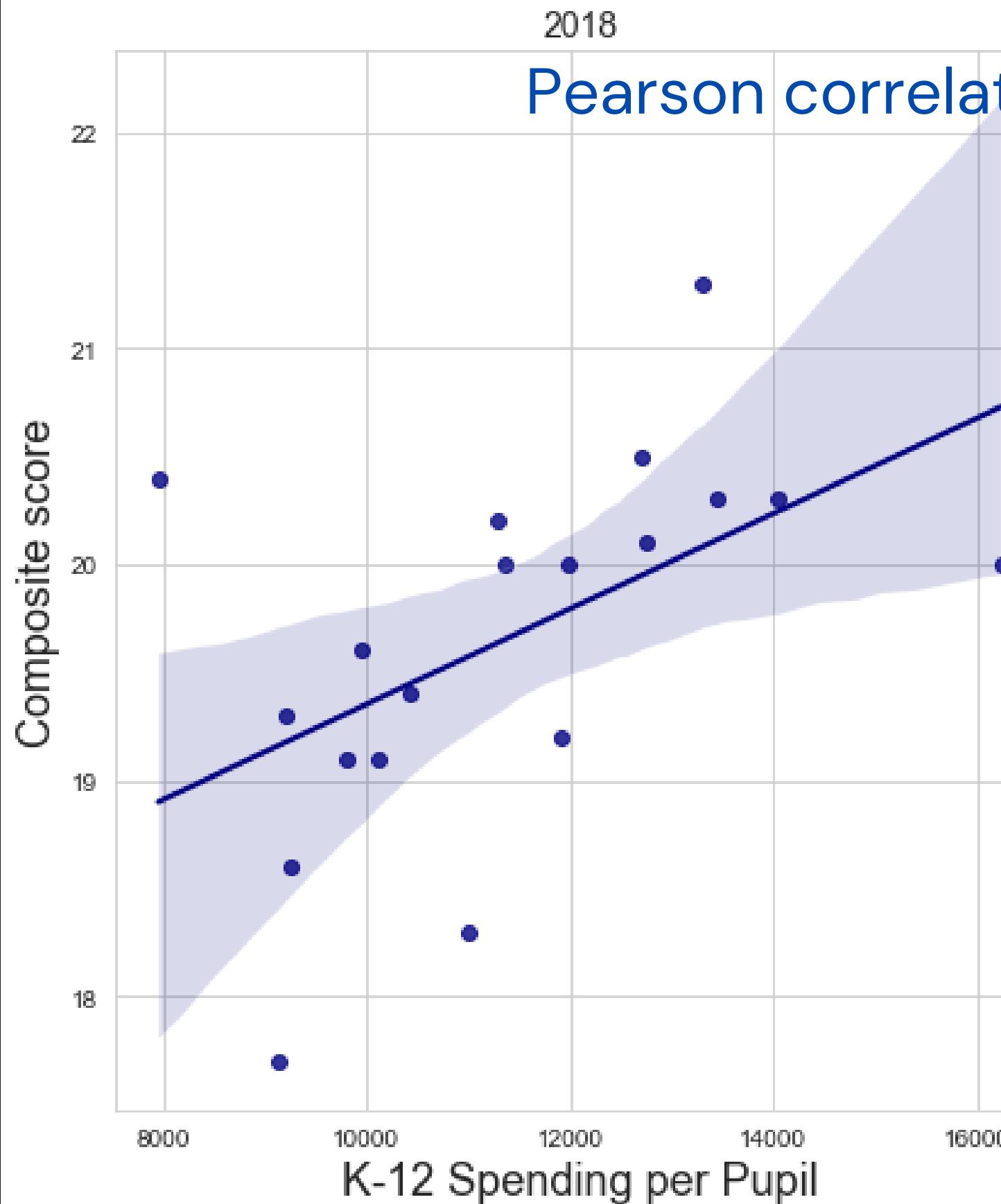


Scatter plot between 2018 participation rate and composite score



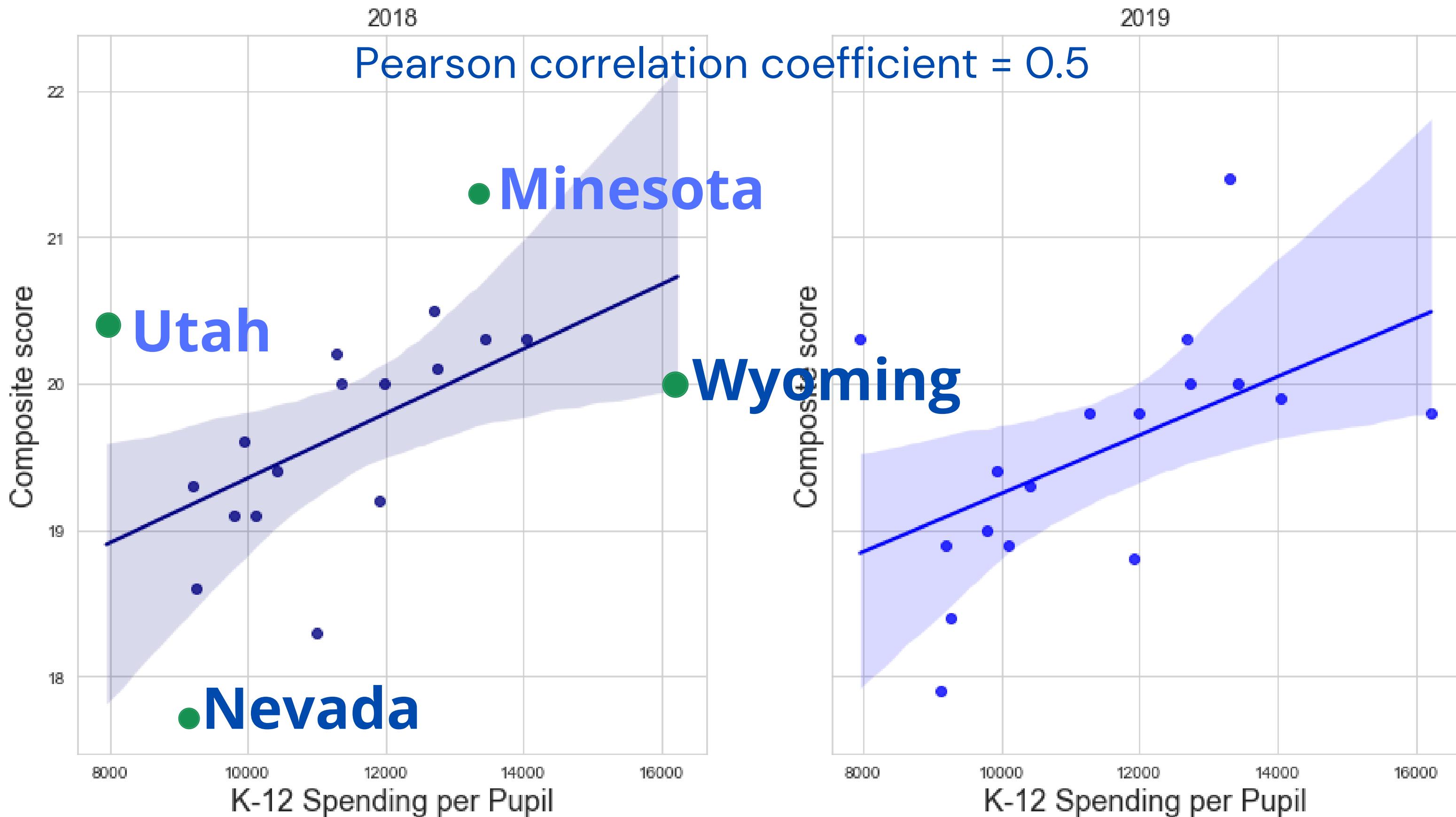
RESULTS

Scatter plot between K-12 spending per pupil and ACT composite score



RESULTS

Scatter plot between K-12 spending per pupil and ACT composite score



MAKING THE GRADE 2019

HOW FAIR IS SCHOOL FUNDING IN YOUR STATE?



<https://edlawcenter.org/research>

Funding distribution

funds are distributed to school districts with high levels of student poverty

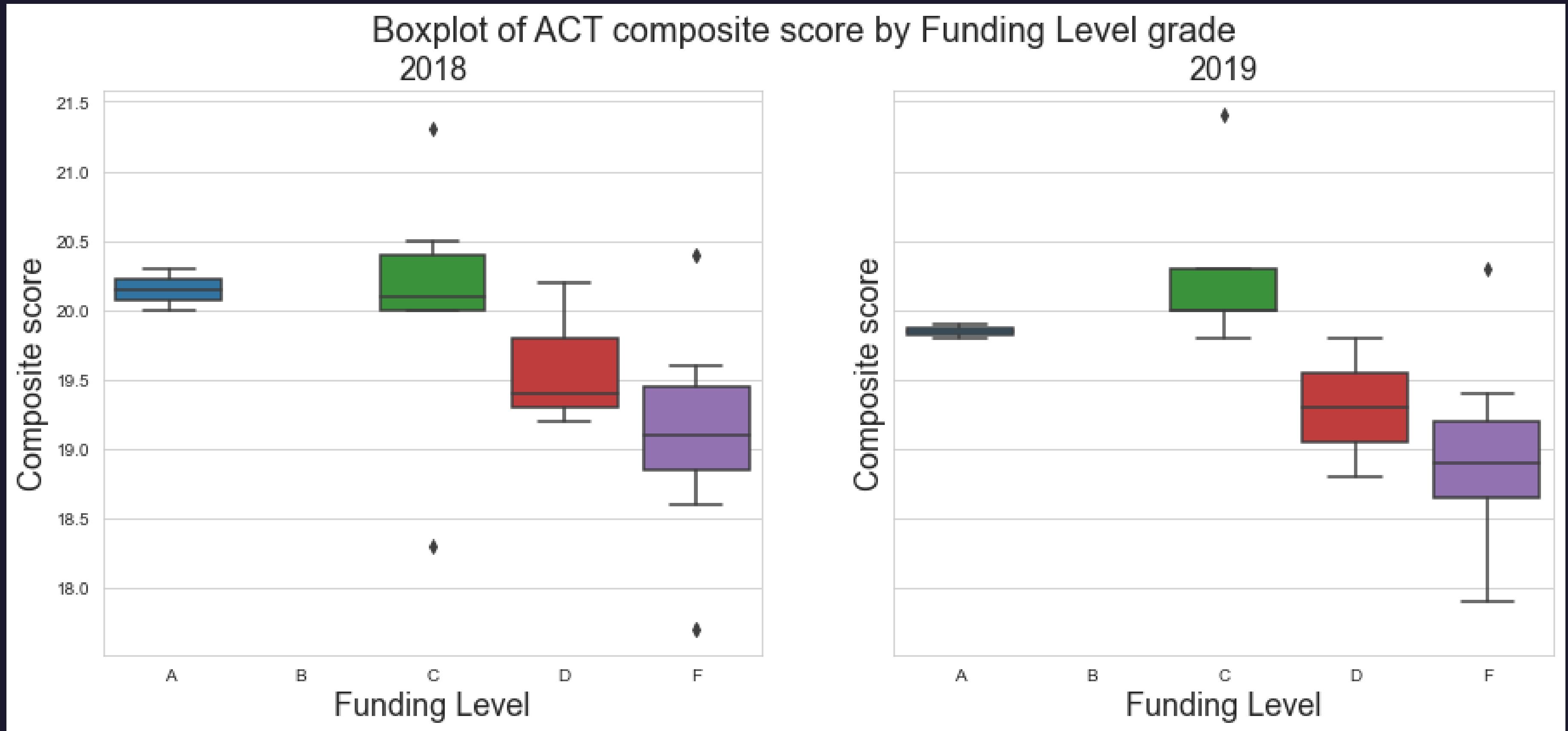
Funding level

the cost-adjusted, per-pupil revenue from state and local sources

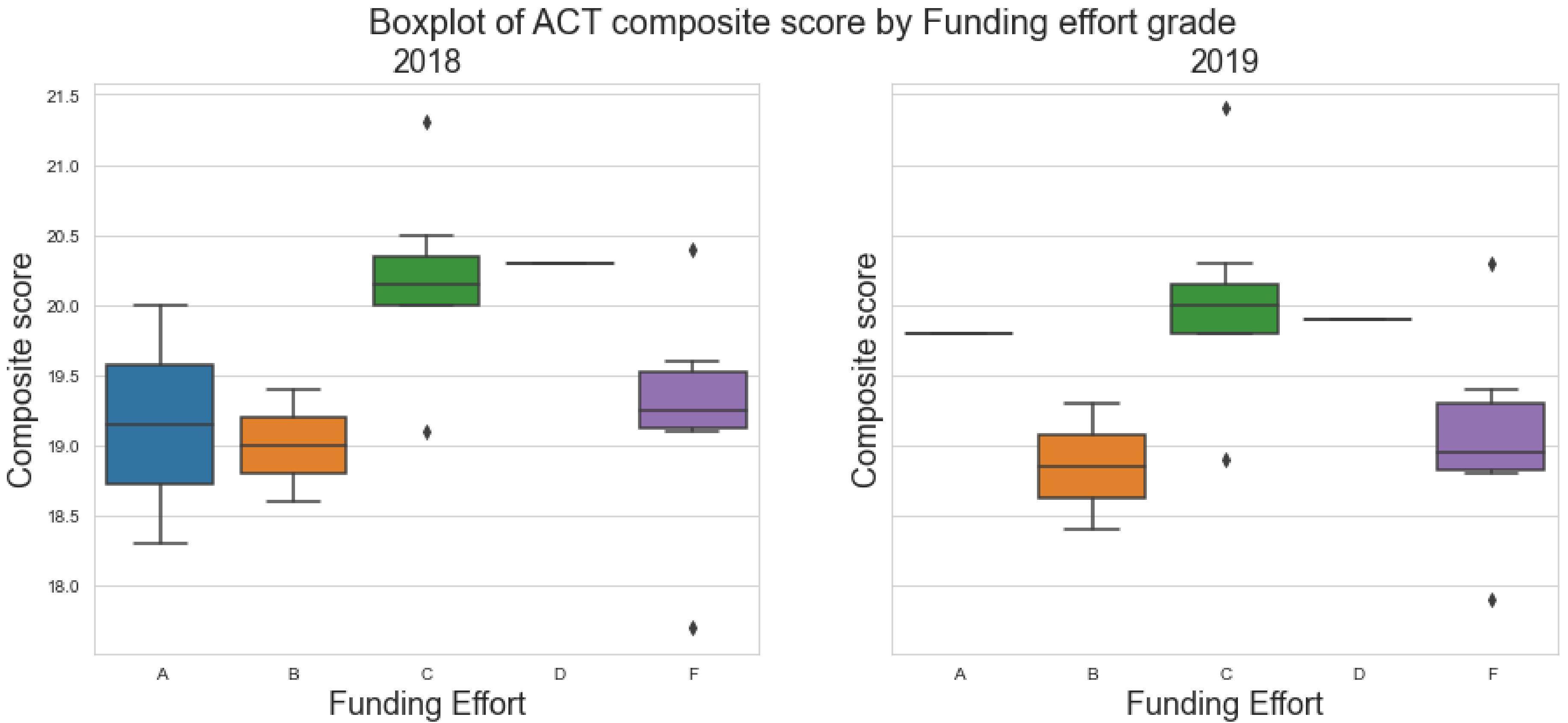
Funding effort

the percentage of state wealth or gross domestic product (GDP) allocated to support the K-12 school system

RESULTS

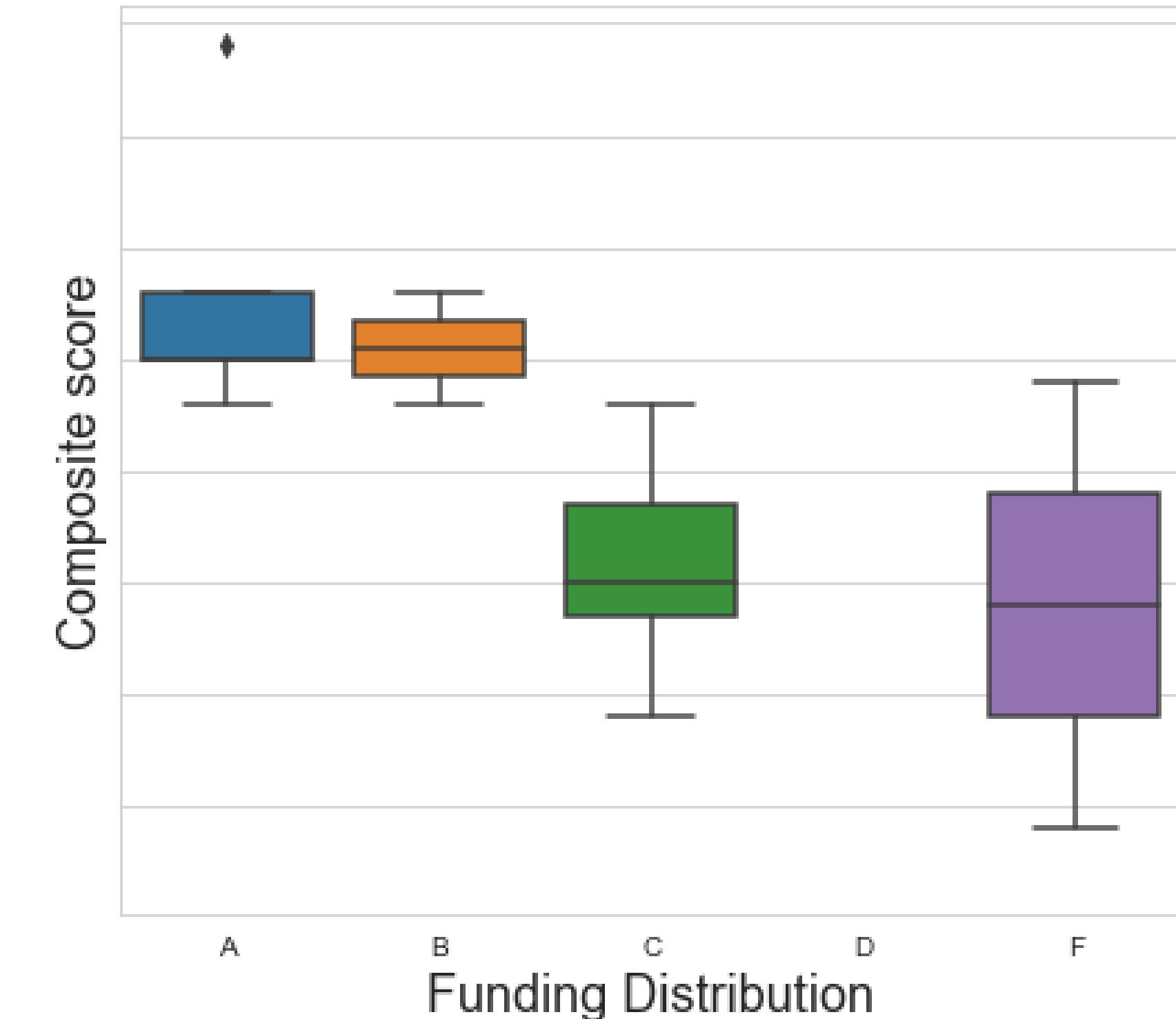
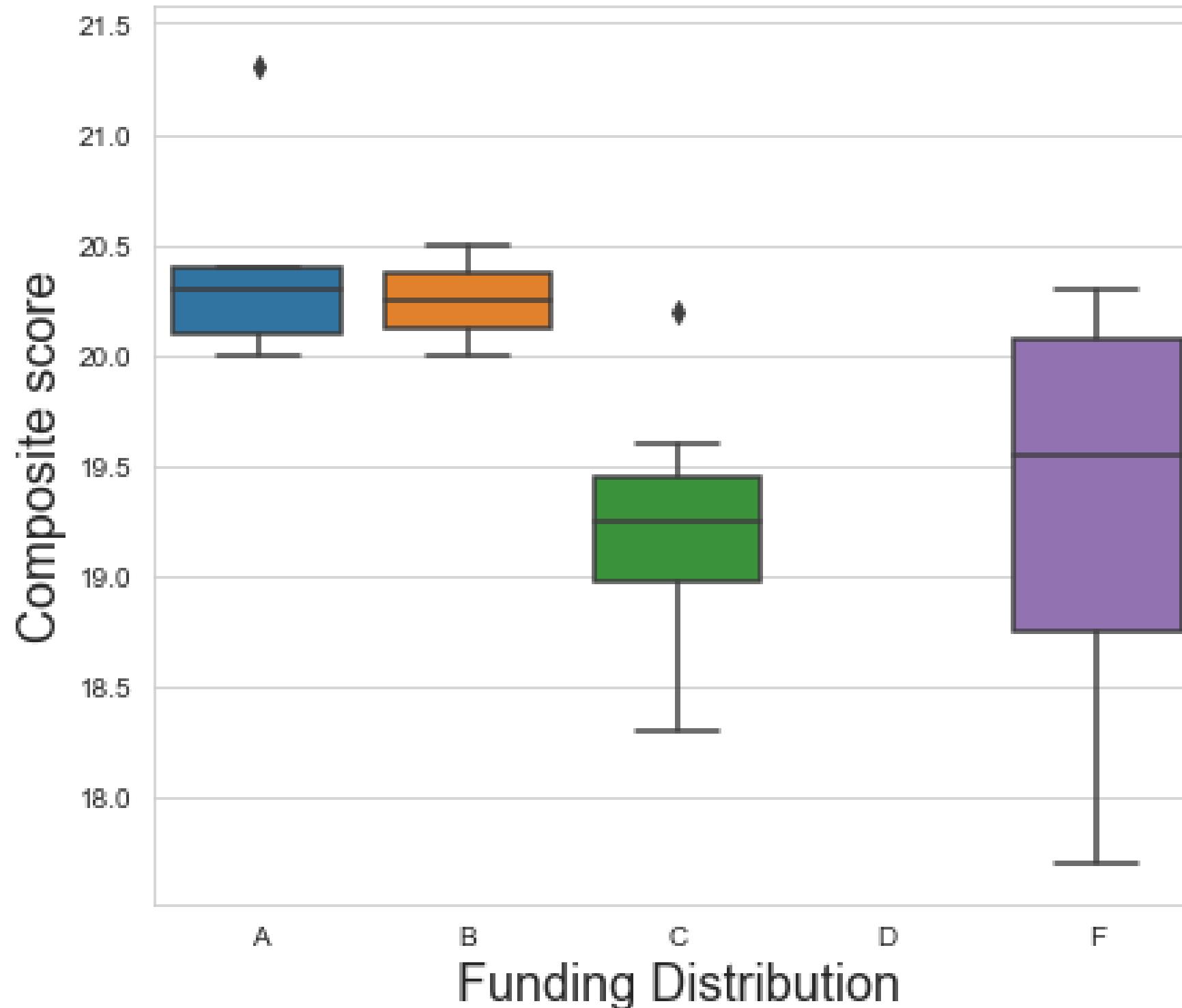


RESULTS



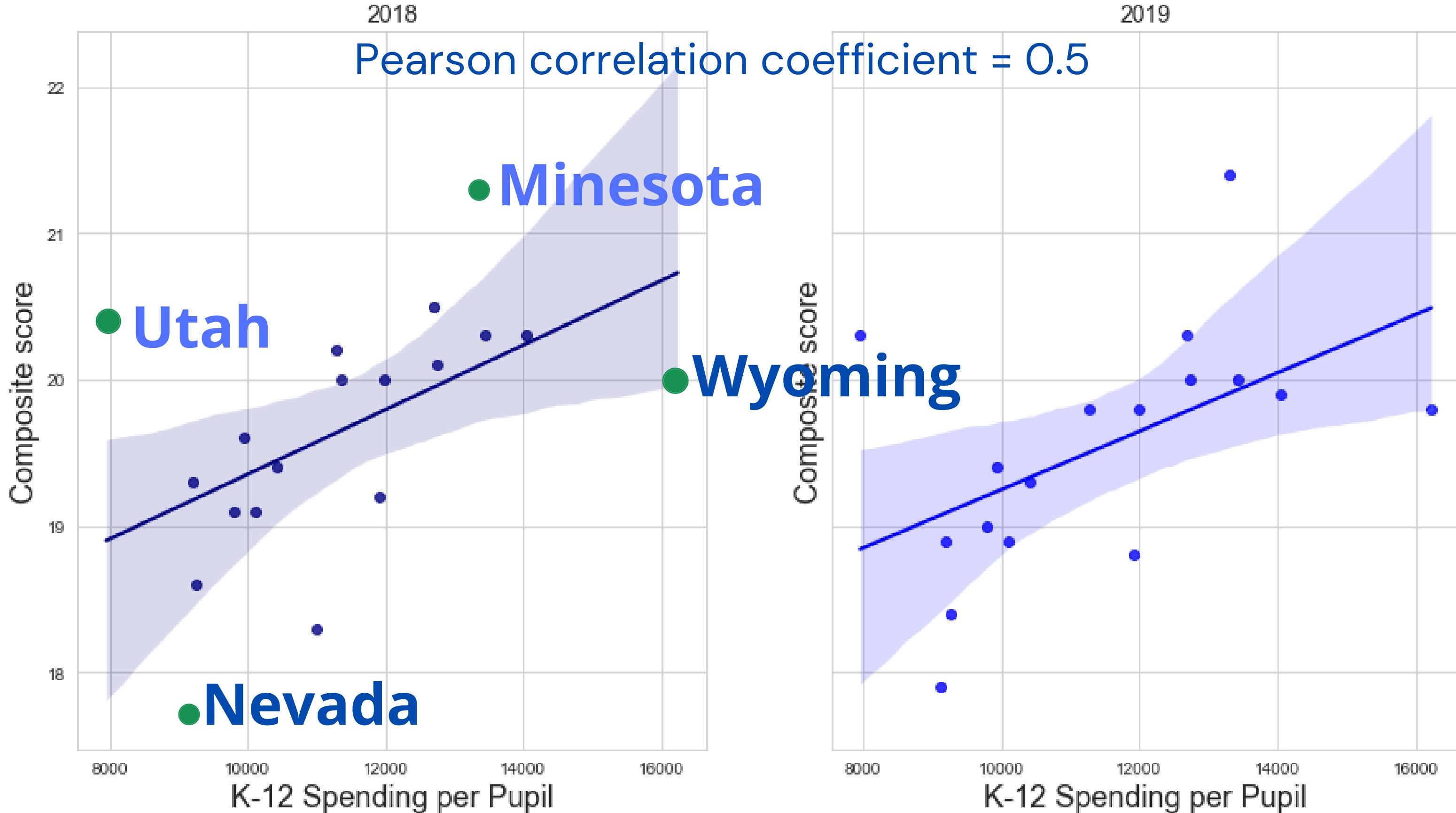
RESULTS

Boxplot of ACT composite score by Funding distribution grade
2018



RESULTS

Scatter plot between K-12 spending per pupil and ACT composite score



RESULTS

	funding level	funding distribution	funding effort	2018 ACT
Utah	F	A	F	20.4
Minnesota	C	A	C	21.4
Wyoming	A	A	A	20.0
Nevada	F	F	F	17.7

Conclusions



Spending VS ACT
medium correlation



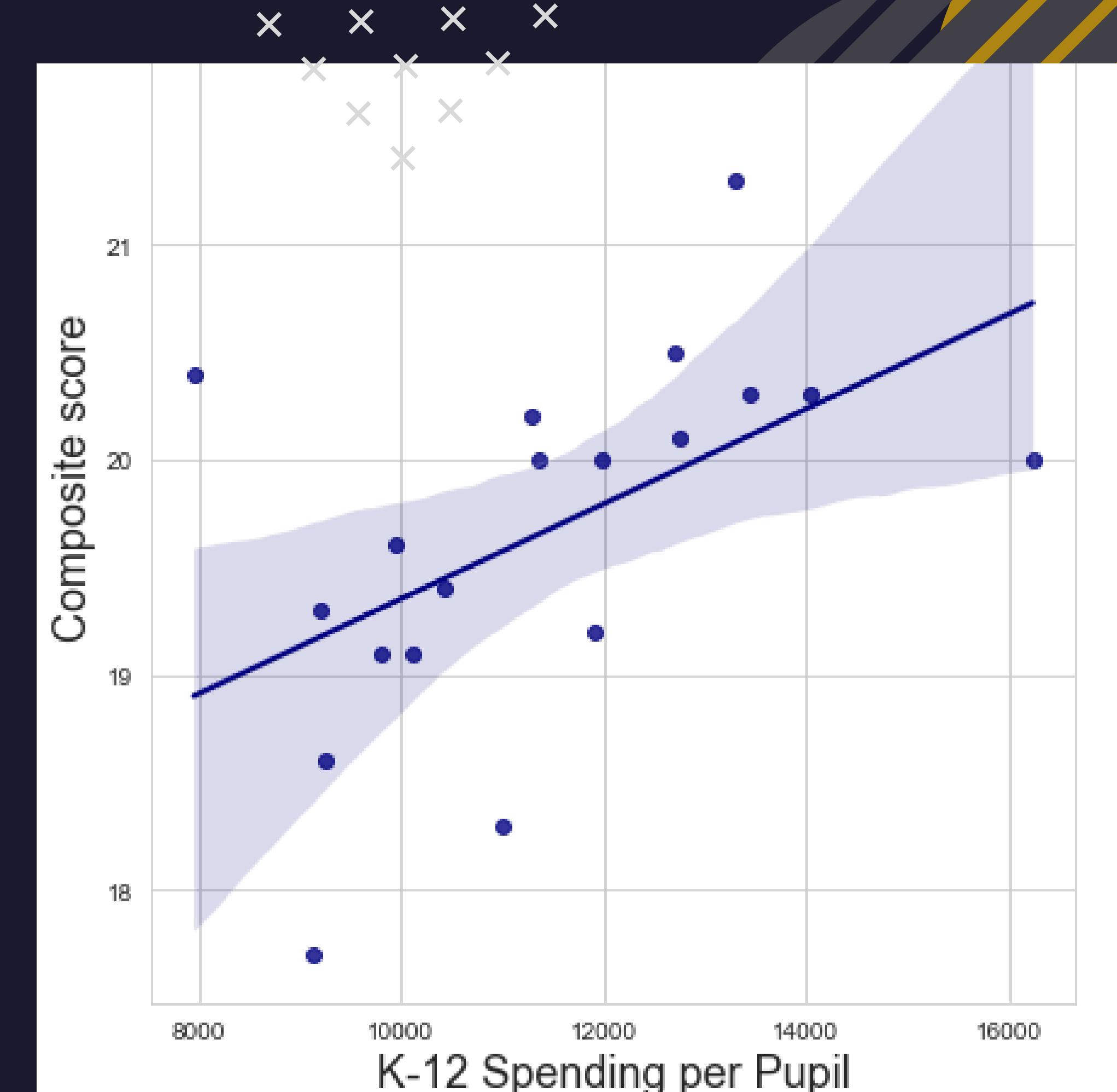
Funding distribution



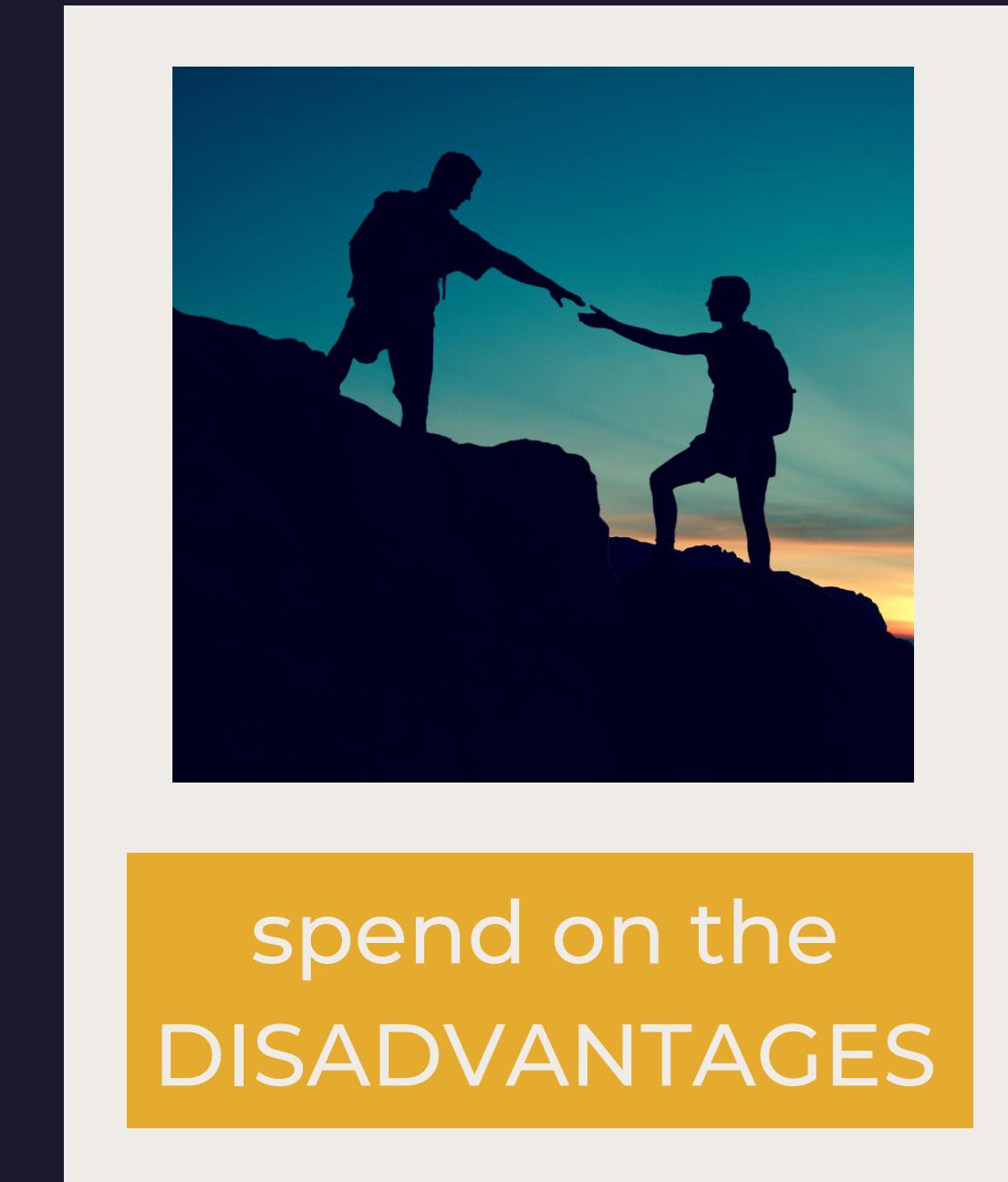
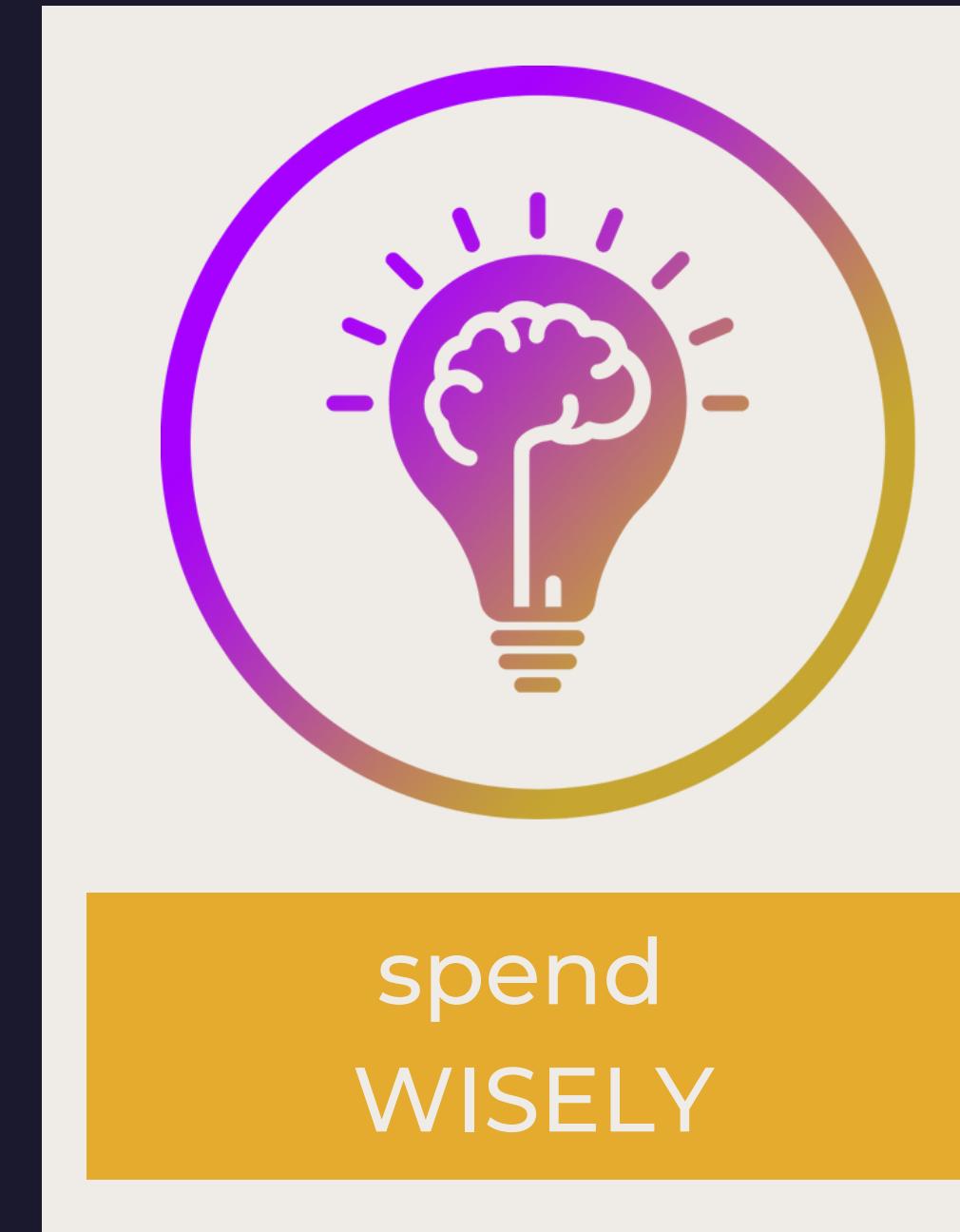
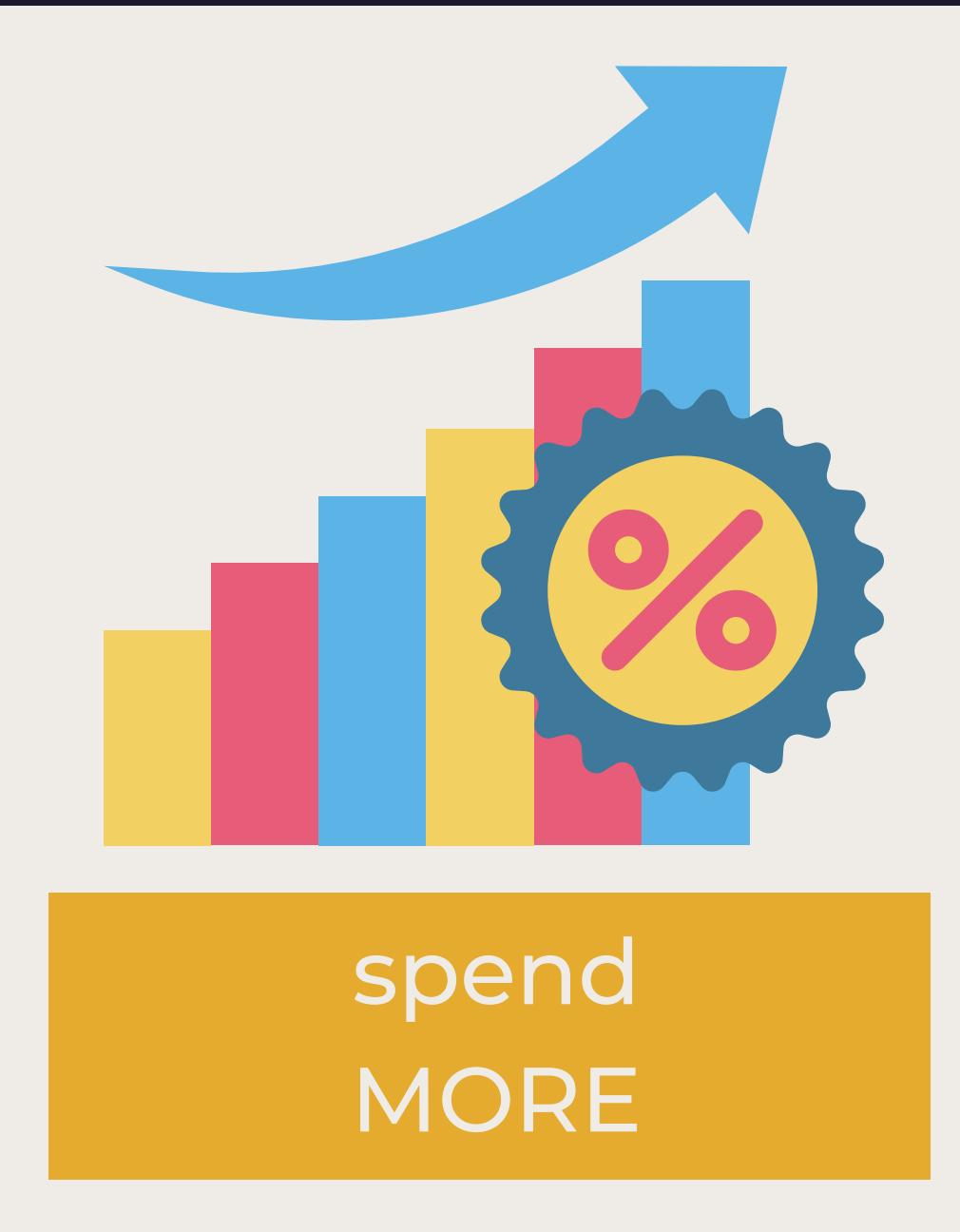
Funding level



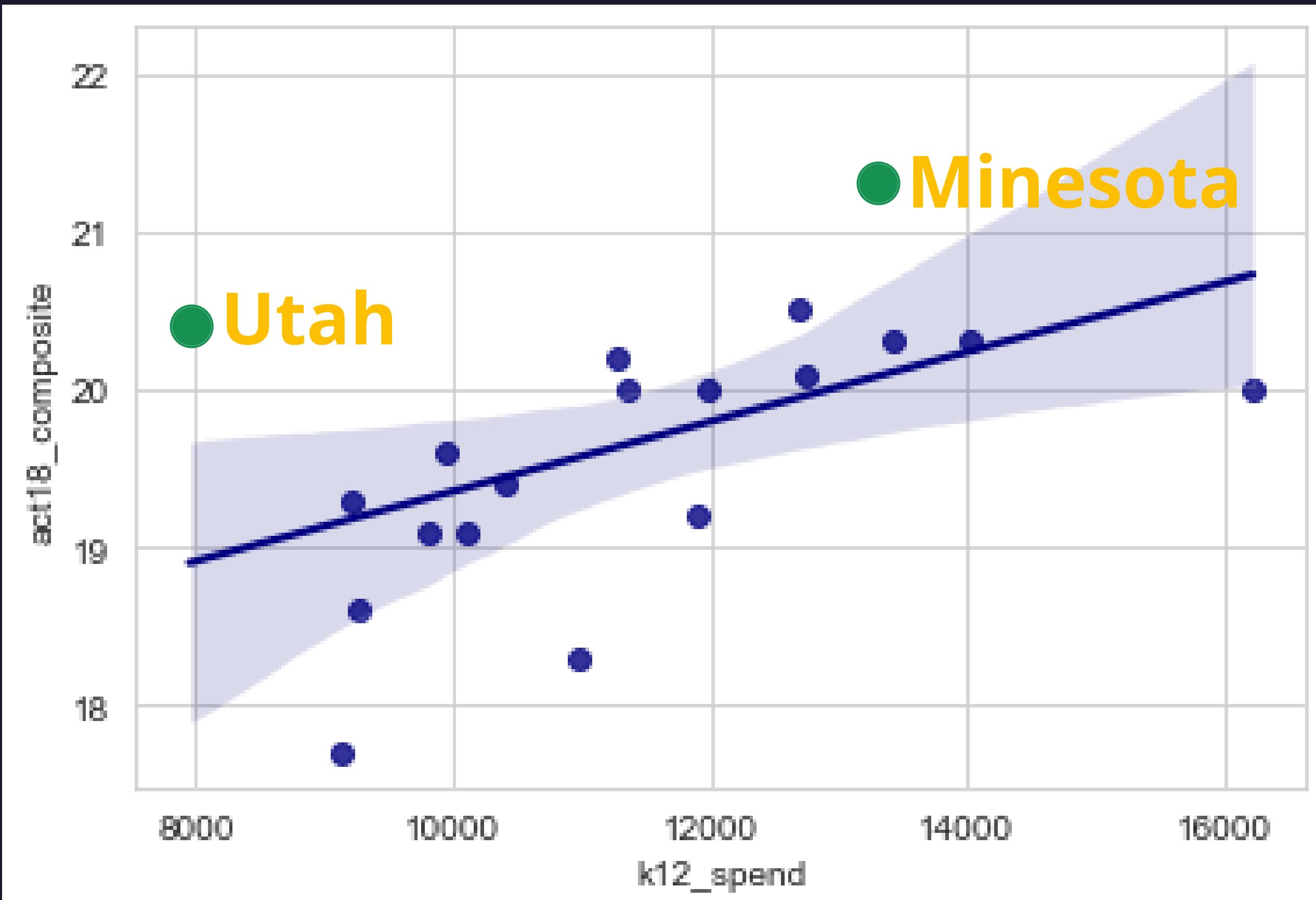
Funding Effort



RECOMMENDATIONS



FUTURE STUDY



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QUESTION?
THANK YOU