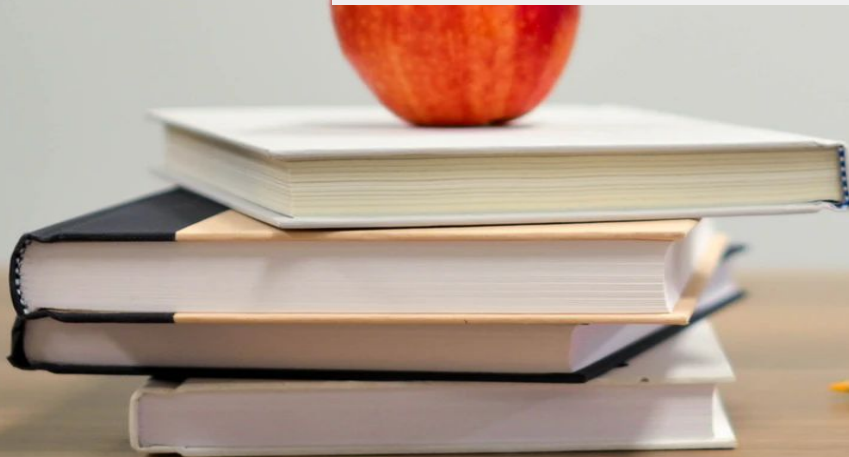


Does Student Race Impact Instructional Spending in K-12 Education in Texas?



BY: Adam B., Mary G. & Meklit G.

Context



Racial disparities in education outcomes



Education outcomes linked with future outcomes



Most research shows that there are racial disparities in public school funding



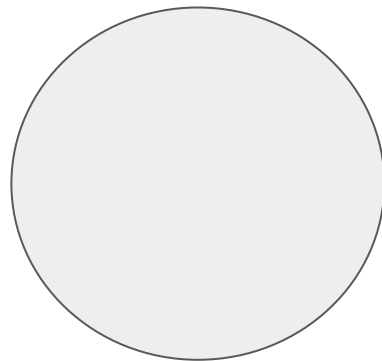
Some research shows that there are racial disparities in public school district spending per district



Why Texas?



- Large state
 - Over 1,200 school districts
- Racially diverse
 - 41% white
 - 40% Hispanic
 - 13% Black
- Public school funding has remained relatively flat since 2010



Hypothesis

**Student race will impact
instructional spending in K-12
education in Texas**

A close-up, shallow depth-of-field photograph of a camera lens. The lens is dark with a silver-colored front element. A red ring with white markings is visible on the lens barrel. The number "85" is printed in white on the lens. The background is dark and out of focus.

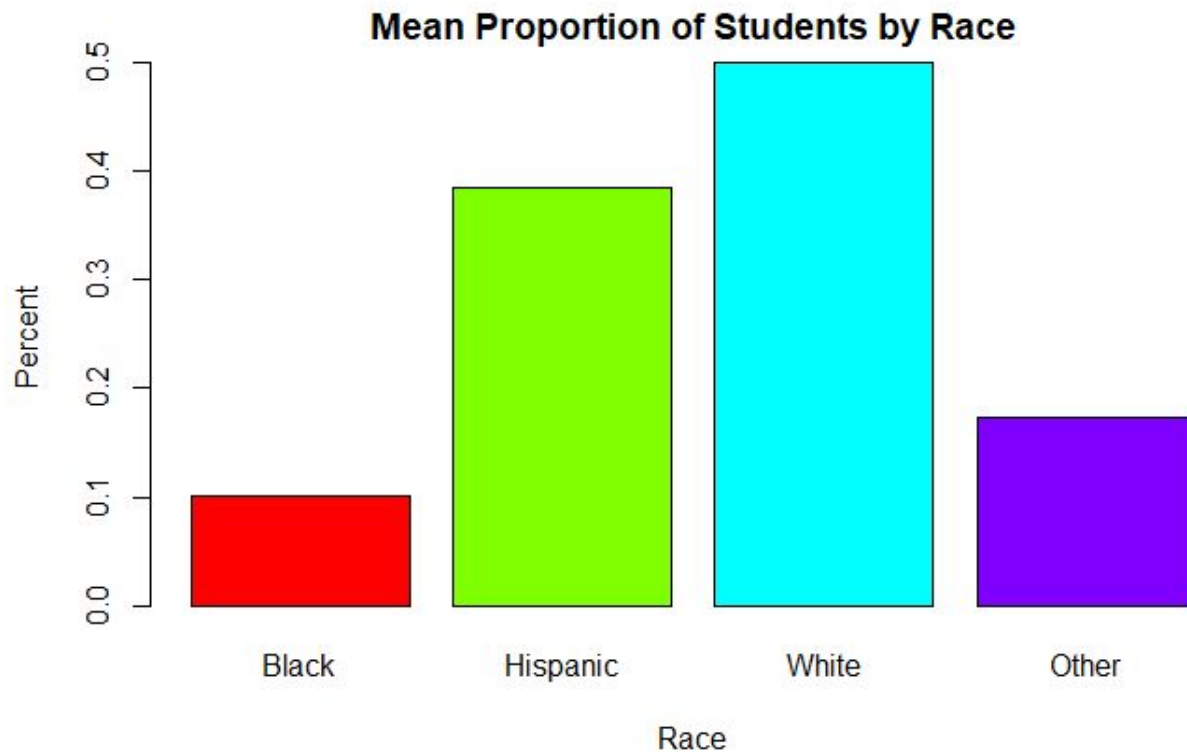
TEA Snapshot 2011 Data

Texas Education Agency Data

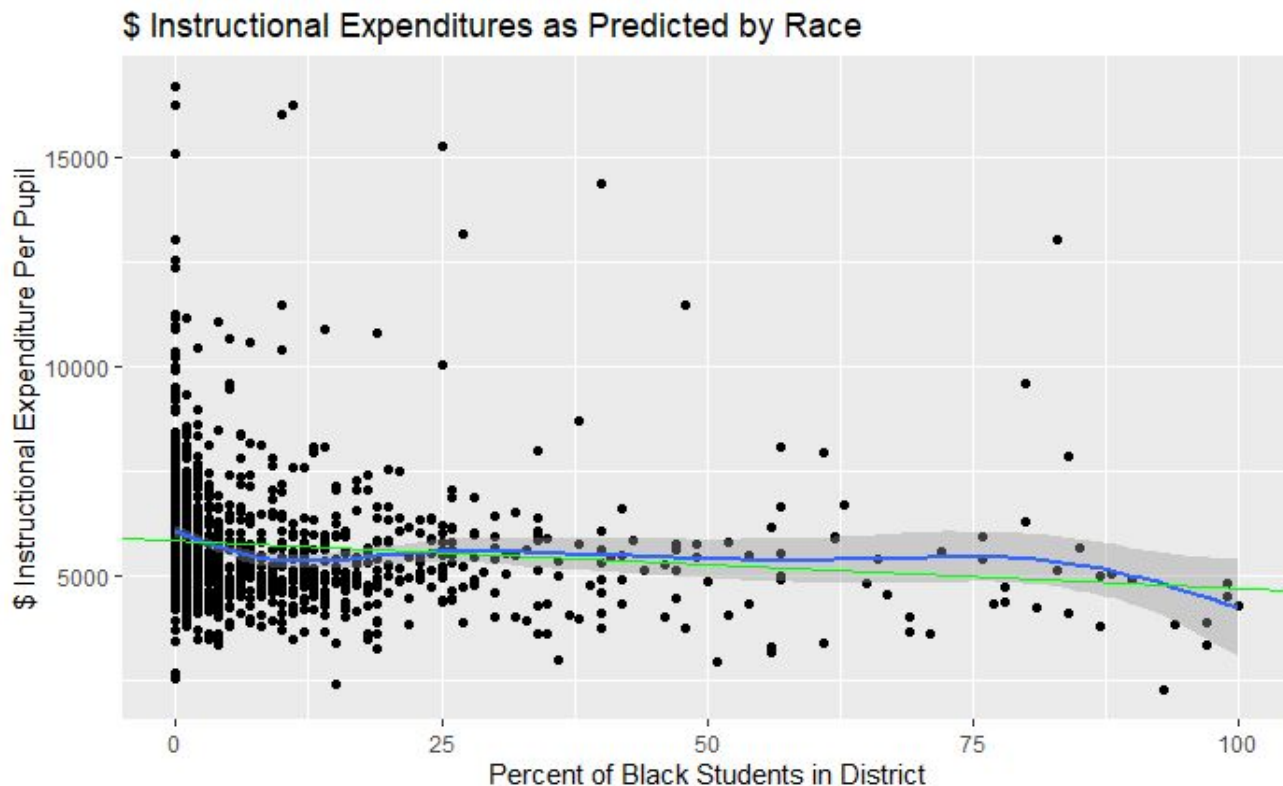
- Annually reported by Texas' public schools
- Self-reported by public schools
- Publicly available
- TEA Snapshot 2011 Data
- Clean dataset and codebook collected from Nathan Favero and Seung-Ho An



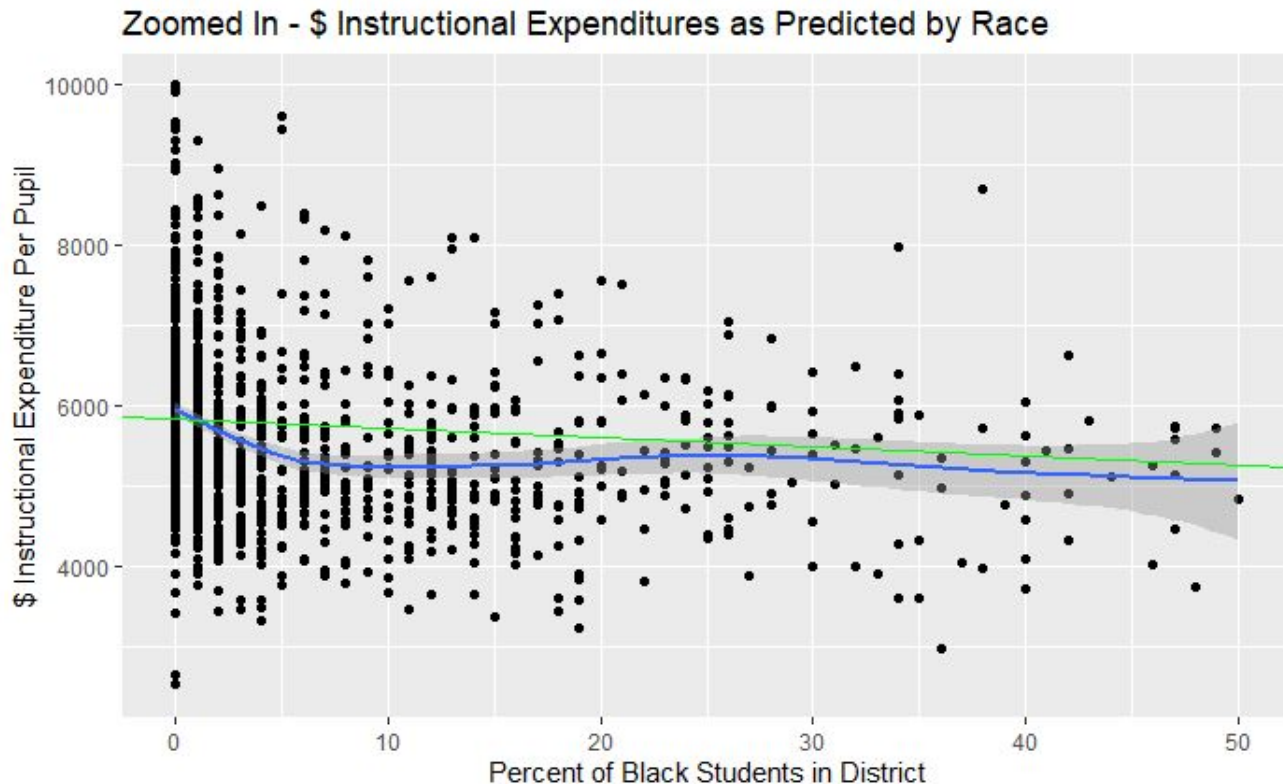
DATA DESCRIPTION



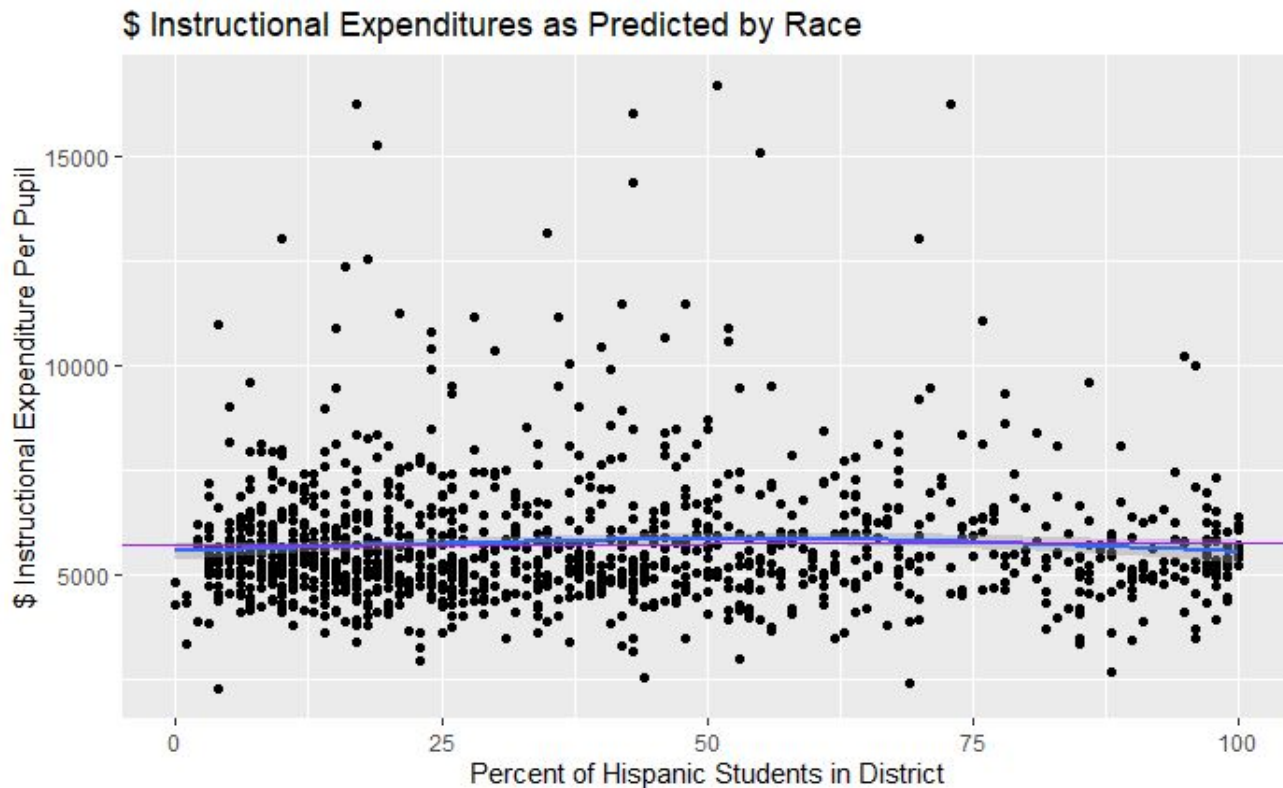
Instructional Expenditure as Predicted by % of Black Students



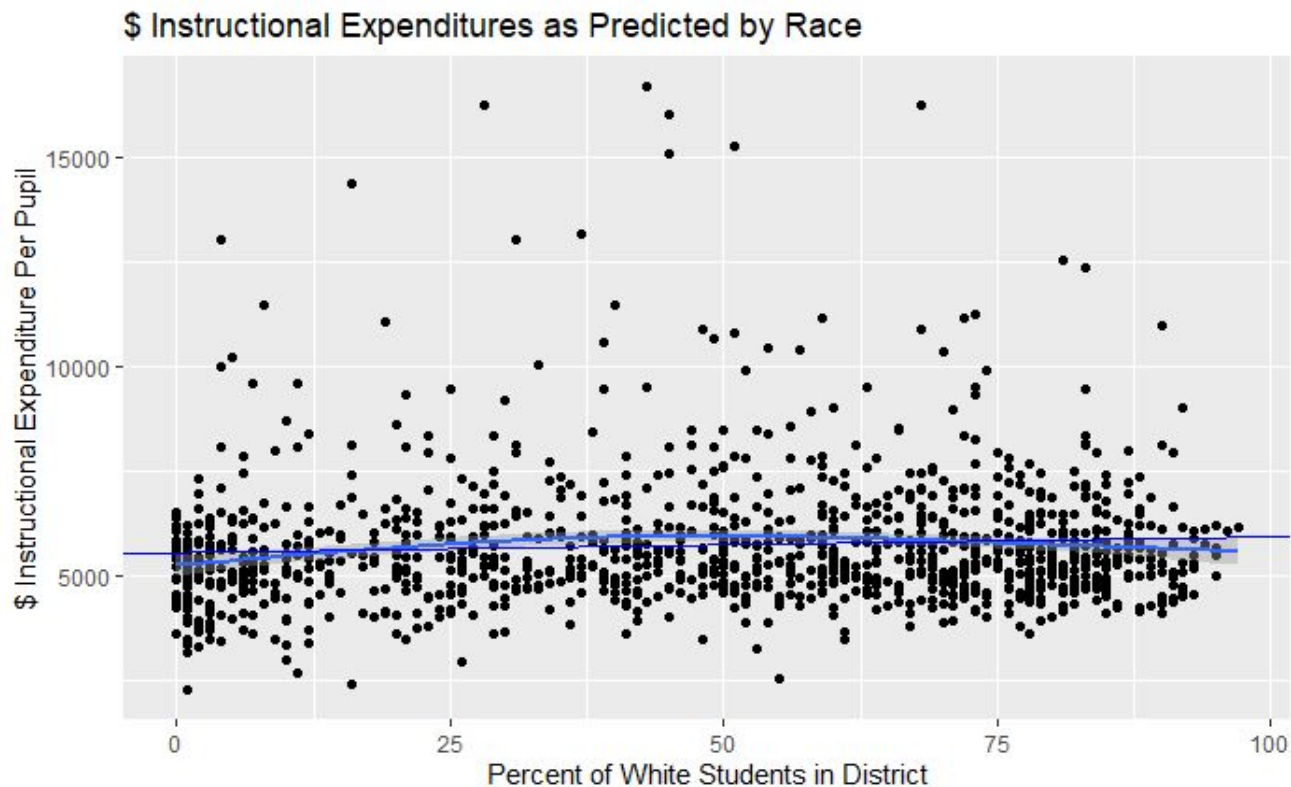
Instructional Expenditure as Predicted by % of Black Students Zoomed In



Instructional Expenditure as Predicted by % of Hispanic Students



Instructional Expenditure as Predicted by % of White Students





Limitation/Findings

Findings

Table 1. Regression Output

Number of observations = 1190

F-statistics= 146.2 on 6

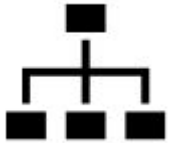
and 1216 DF

R-squared = 0.4191

Adj R-squared = 0.4162

	Coefficient	Std. Error	T-Value	P-Value
% of black students	4.160	9.331	0.446	0.656
% of hispanic students	7.242	8.724	0.830	0.407
% of white students	-0.808	8.723	-0.099	0.921
% of students enrolled	0.001832	0.002958	0.619	0.536
# of student to teacher ratio	-342.7	12.46	-27.504	0.00
% of low income students	3.180	2.427	1.310	0.190

Limitations



Administration Data



Missing Data



Texas vs U.S

Conclusion



No relationship between students race and instructional spending per pupil in Texas school Districts.

Works Cited

1. Baron, E. (2019). School Spending and Student Outcomes: Evidence from Revenue Limit Elections in Wisconsin. *SSRN*. doi:<https://dx.doi.org/10.2139/ssrn.3430766>
2. Card, D. (1999). The Causal Effect of Education on Earnings. *Handbook of Labor Economics*, 3, 1801-1863. doi:[https://doi.org/10.1016/S1573-4463\(99\)03011-4](https://doi.org/10.1016/S1573-4463(99)03011-4)
3. Condron, D. J., & Roseigno, V. J. (2003). Disparities within: Unequal Spending and Achievement in an Urban School District. *Sociology of Education*, 76(1), 18-36. doi:<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.397.4522&rep=rep1&type=pdf>
4. Federal Role in Education. (2017, May 25). Retrieved January 14, 2021, from <https://www2.ed.gov/about/overview/fed/role.html>
5. Sosina, V. E., & Weathers, E. S. (2019). Pathways to Inequality: Between-District Segregation and Racial Disparities in School District Expenditures. *AERA Open*, 5(3). doi:<https://journals.sagepub.com/doi/pdf/10.1177/2332858419872445>
6. Swaby, A. (2019, February 15). Texas' school finance system is unpopular and complex. Here's how it works. Retrieved January 14, 2021, from <https://www.texastribune.org/2019/02/15/texas-school-funding-how-it-works/>
7. Texas Education Agency. (2014, August 14). Overview of Texas Schools. Retrieved January 14, 2021, from <https://tea.texas.gov/texas-schools/general-information/overview-of-texas-schools>
8. Texas Education Agency. (2020). Performance-Based Monitoring. Retrieved January 14, 2021, from <https://tea.texas.gov/student-assessment/monitoring-and-interventions/data-validation-monitoring-0>
9. U.S. Census Bureau QuickFacts: Texas. (2019). Retrieved January 14, 2021, from <https://www.census.gov/quickfacts/TX>

QUESTIONS?

Thank You

A stack of envelopes is shown on a textured, light-colored surface. The top envelope is orange with a white double-line border and the words "Thank You" printed in a white serif font. Below it is a dark blue envelope. A black fountain pen with a silver-colored clip and nib lies diagonally across the top right of the envelopes.