Lab_8

QRME Cohort!

11/10/2021

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schidkn	sex	frl	reg_size	reg_size_aid small	size	white	black	other	totexp	tmathss	treadss
63	girl	no	0	0	1	1	0	0	7	473	447
20	girl	no	0	0	1	0	1	0	21	536	450
19	boy	yes	0	1	0	0	1	0	0	463	439
69	boy	no	1	0	0	1	0	0	16	559	448
79	boy	yes	0	0	1	1	0	0	5	489	447
5	boy	yes	1	0	0	1	0	0	8	454	431
16	girl	yes	0	1	0	0	1	0	17	423	395
56	girl	no	1	0	0	1	0	0	3	500	451
11	girl	no	0	0	1	0	1	0	11	439	478
66	girl	no	0	0	1	1	0	0	10	528	455

Prior literature that explores environmental factors that influence a cademic achievement finds that economic status 1 and gender 3 4 significantly influences a cademic achievement.

This paper utilized here, 5 janitor, 6 rio, 7 knitr, 8 and tidyverse 9 packages from R for data cleaning and analysis.

 $^{^1\}mathrm{Barry},$ "The Effect of Socio-Economic Status on Academic Achievement."

 $^{^2}$ Considine and Zappalà, "The Influence of Social and Economic Disadvantage in the Academic Performance of School Students in Australia."

³Hubbard, "The Role of Gender in Academic Achievement."

⁴Kukulu et al., "Self-Confidence, Gender and Academic Achievement of Undergraduate Nursing Students."

⁵Müller, Here.

⁶Firke, Janitor.

⁷Chan et al., *Rio*.

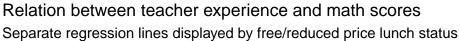
⁸Xie, "Knitr."

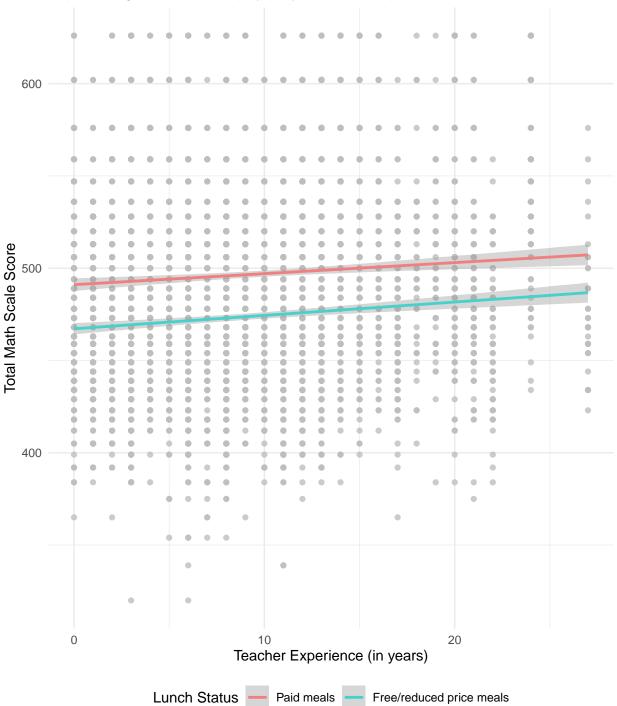
⁹Wickham et al., "Welcome to the tidyverse."

Summary statistics for students based on sex and free reduced lunch status

On average, students from low-income families with free/reduced lunch status regardless of their sex scored lower both in Math and Reading tests than their higher-income peers.

sex	frl	math_mean	math_sd	rdg_mean	rdg_sd
boy	no	492.85	46.34	441.46	32.32
boy	yes	469.87	46.09	425.38	26.63
girl	no	501.21	45.96	448.54	34.52
girl	ves	477.51	46.30	430.80	27.42





Description:

1. Though the regression lines have a positive slope, it almost looks flat. We can say that teacher's experience doesn't have much affect on student's math scale scores.

 $2. \ \, {\rm Students \ with \ a \ lunch \ status \ of "Paid meals" \ score \ more \ than \ those \ on "Free/reduced \ price \ meals"}$

status.

References

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