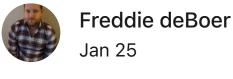
Shovel More Dirt on Pre-K



◯ 73 🔘 125 🖒

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So I would ordinarily shy away from doing an old-school blog post that simply links to something else, but this feels like a study that calls out for an exception. I've just been reading a paper in the journal *Developmental Psychology*¹, thanks to a friend's library access. It's a pre-K study that has many virtues, including

- 1. Large n (2990 kids)
- 2. Genuine random assignment
- 3. Longitudinal design 4. Confirms my priors

800

790

than kids who were not.

Table 3 Effect Sizes for the RCT and ISS Samples for Sixth Grade Outcomes

RCT (N = 2,591-2,700)

ISS (N = 914 - 965)

TOT

ITT

... and it says kids who were assigned to the pre-K condition actually did worse

TOT ITT Outcome

Achievement tests				
English	128	240	091	185
Math	178	333	113	227
Science	132	249	075	156
On grade	025	047	.063	.125
IEP	107	203	135	270
School rules	119	222	158	316
Major offenses	083	157	073	146
Any offenses	090	170	140	278
Any offenses Note. Effect sizes are deviation. Negative sign	the coefficient for the	treatment-control differ	ence divided by the p	ooled standar

Standardized Tests TOT Weighted Covariate-Adjusted Means in Third through Sixth Grades (RCT Analytic Sample) English Reading Reading Math ES = -.294ES = -.282ES = -.399ES = -.184ES = -.293ES = -.370ES = -.253

330 780 320 770 310 760 300 750 290 740 730 720 710 700 □ VPK ■ No VPK □ VPK ■ No VPK Third Grade **Fourth Grade** Fifth Grade Sixth Grade (Both Cohorts, N = 2440-2442) (Cohort 1, N = 1591-1594) (Cohort 2, N = 1092-1100) (Both Cohorts, N = 2612-2626) Note. TOT = treatment-on-treated; RCT = randomized control trial; ITT = intent-to-treat. Asterisks indicate significant differences (p < .05). These graphs include students who have been promoted or retained. The grades noted above refer to students' expected grade levels. More detailed ITT and TOT results for each grade with observed and weighted data are provided in Supplemental Table S6. Analyses were also performed including only students who were at or above expected grade level with similar results (Supplemental Table S7). VPK = Tennessee Voluntary Pre-K

Pre-K advocates tend to fixate on non-academic indicators as a way to justify pre-K programs. But attendance was mildly worse for the pre-K group: Attendance rates in sixth grade (proportion of instructional days without a

nonparticipants. Nonetheless, the difference between groups was statistically

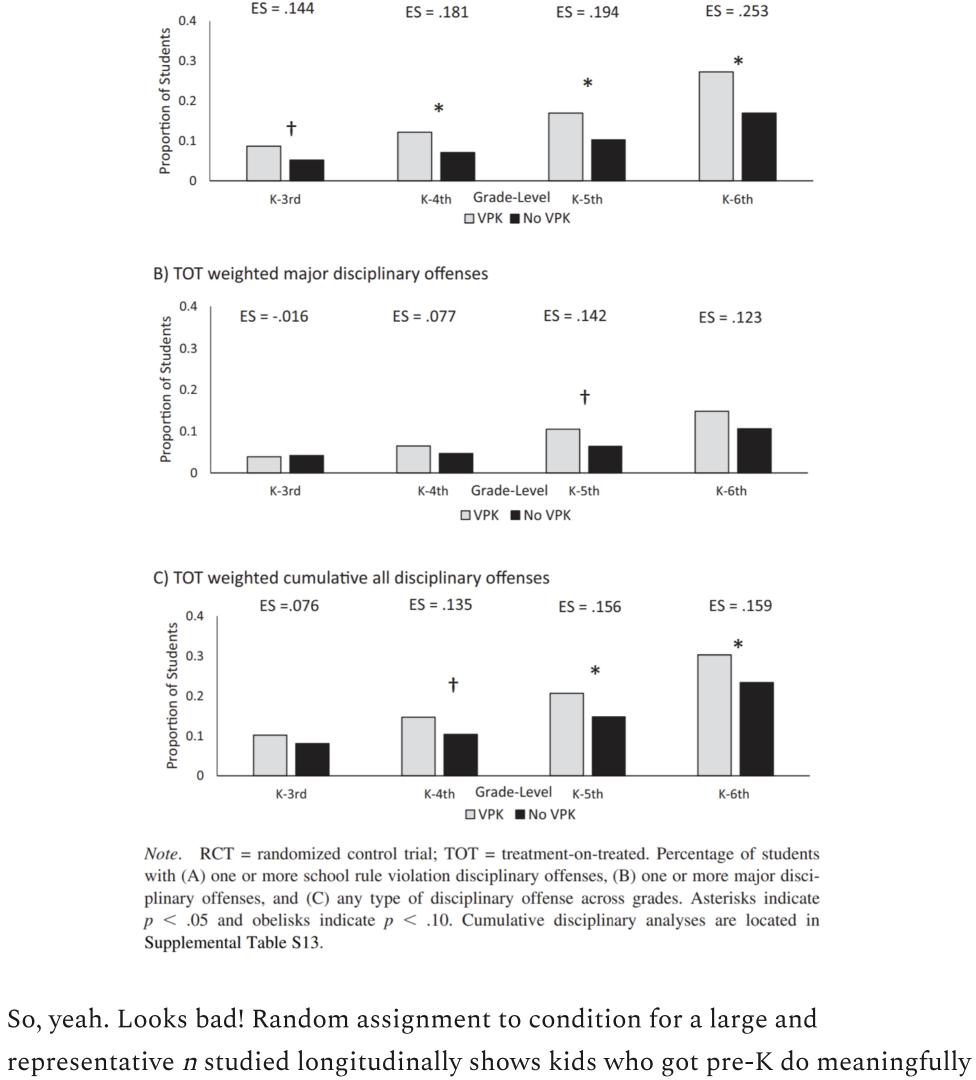
recorded absence) were high for both TN-VPK participants and

significant with a slightly higher rate for nonparticipants (97.5% vs. 97.1%, p = .013 for the ITT analysis with observed values). Supplemental Table S11 provides model details for each year (see also Supplemental Figure S3). Sixth grade was the first academic year with a significant attendance difference between conditions, although there were marginally significant effects in kindergarten and first grade. Nor can we find any solace in disciplinary action: Figure 3 Disciplinary Offenses in Kindergarten Through Sixth Grade (RCT Analytic Sample) A) TOT weighted school rule violations

worse than those who didn't.

the overall trend is still informative.

1.00



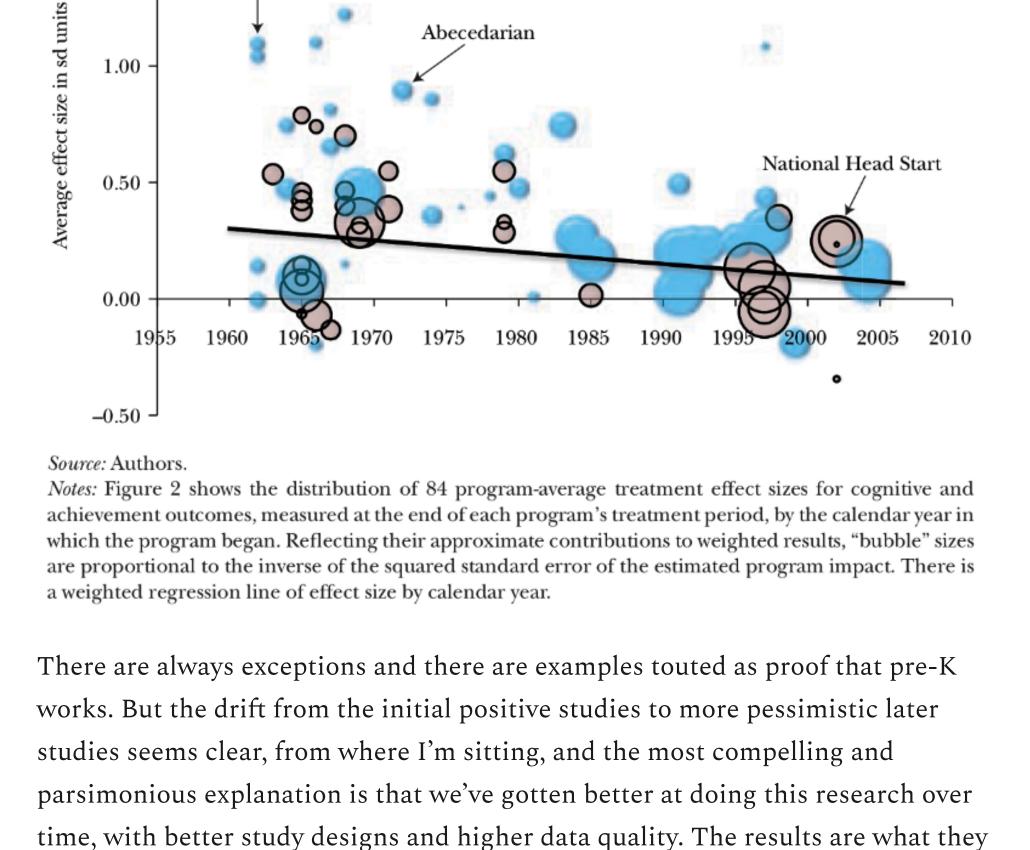
"Beware the man of one study!" you might say. But, well, we have many more studies than one showing this outcome, now. I just wrote about it not that long ago: the pre-K research record is most optimistically described as mixed and most

realistically described as discouraging. I've been writing about it for a long time,

actually, and the song remains the same. This chart is out of date at this point, but

Figure 2 Average Impact of Early Child Care Programs at End of Treatment (standard deviation units) 2.00Head Start 🌖 Non–Head Start 1.50 Perry

Abecedarian



I've said before, and others have said before, that we should absolutely fund universal child care in this country, which many other developed countries do. But the worst way to fund these things is to look at them as moving the needle on quantitative academic indicators, which (as I will not stop saying) tend to move very little, in relative terms, over the course of the average student's life. It's the same with afterschool programs - the educational benefits appear low, but the social benefits are potentially great, in terms of freeing up adults to go to jobs and make money with which to keep their kids secure and comfortable. Say it with me: universal *child care* now!

1 I'm afraid the article itself is paywalled, and I couldn't even find it on Sci-Hub, but if

you know someone with academic library access you might be able to scare it up. In

completely unrelated news, my email is freddie7 AT gmail DOT com. [Edit: This was an

artful attempt to say that I have the study if you want to email me and ask for it because

academic paywalls are a travesty. However I was too artful and it made it sound like I

was asking for the study myself. I have it and have read it, and yes, you can email me

are. But liberals are forever looking for magic bullets in education, and a lot of

them got very professionally, politically, and emotionally invested in pre-K, and

it's just really hard to get them to confront all the bad news.

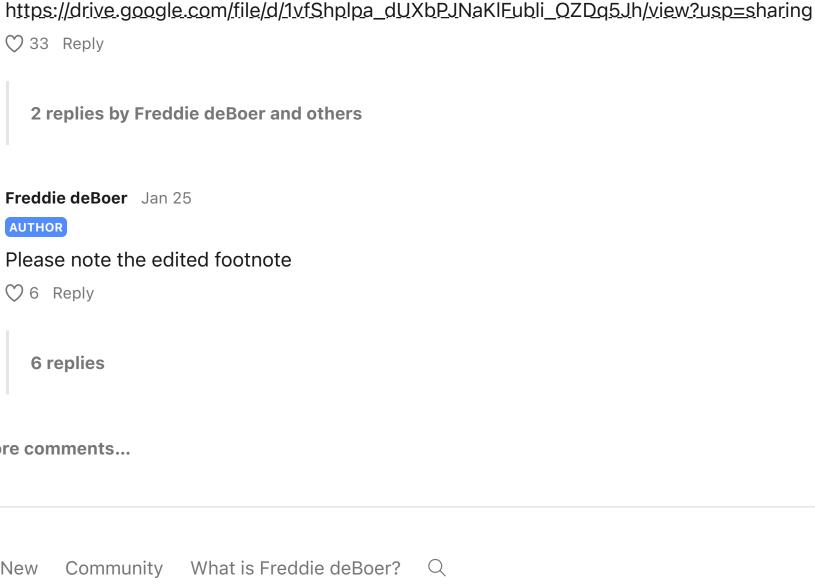
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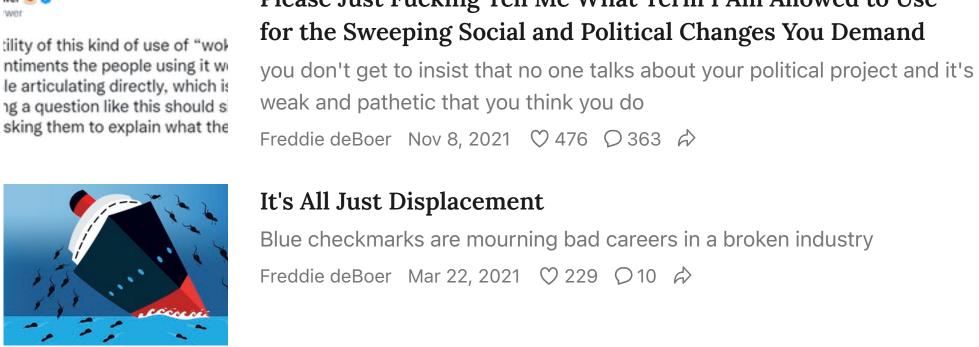
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