

# Incorporating Tutoring Cost Analysis into Program Evaluation Research

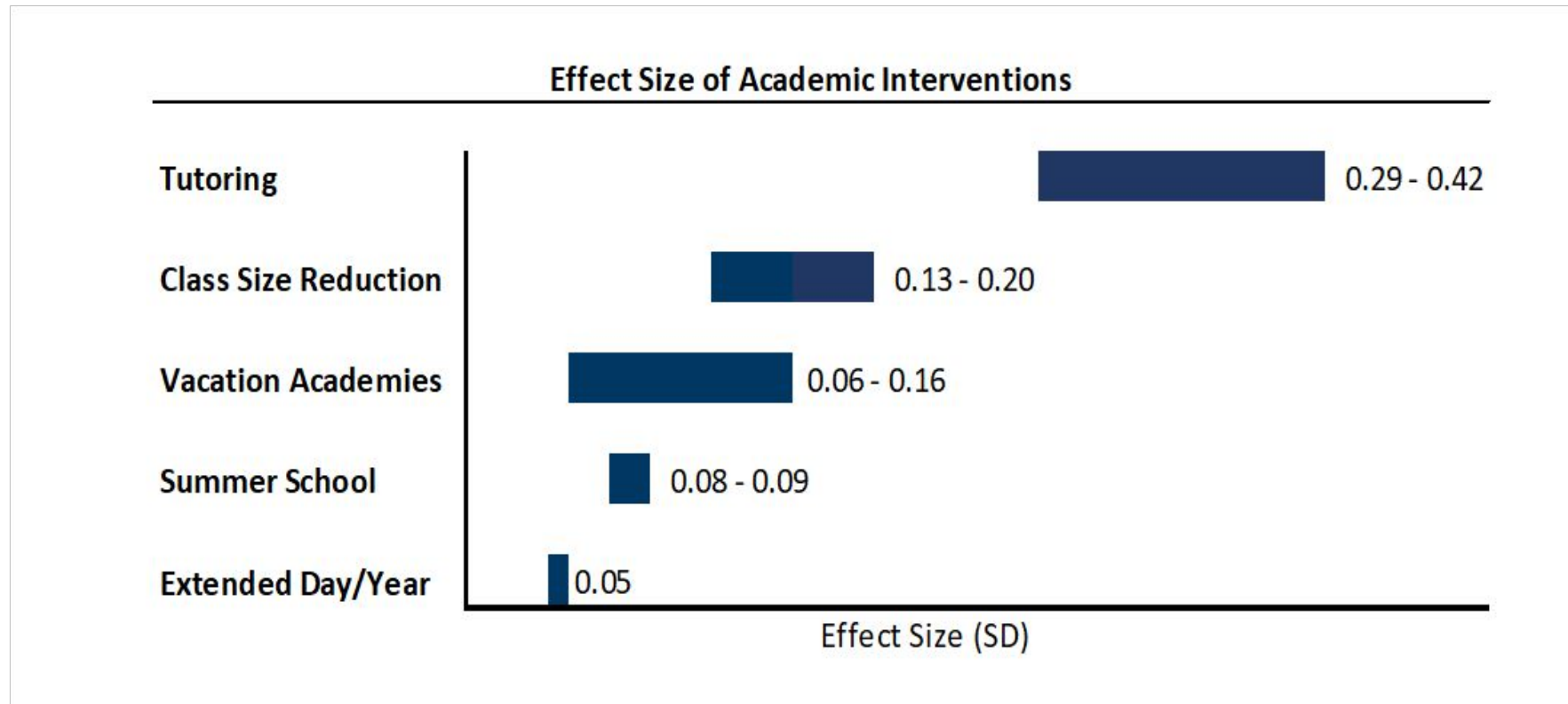
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# Tutoring improves student achievement, but which models are most worth it?



*Among large-scale RCTs (>350 students), impact of tutoring ~ 0.20 SD (Nickow et al., 2024; Kraft et al., 2024; Kohlmoos & Steinberg, 2024)*



# How do we assess cost?

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- Ingredients Method (Levin et al., 2017)
- Consider both the actual costs and “hidden costs” to school and society
- Common Metrics for Tutoring Cost Analysis
  - Tutoring Efficiency
  - Cost Efficiency
  - Cost Effectiveness

# Cost Analysis Tool

2	Category	Description	Pricing Category	Unit	Quantity	National Price	Local Price	Actual Price	National Total	National Per Pupil	Total Cost
3	<b>Personnel - Delivery and Operations</b>										
4	Tutors - Type 1								\$0.00	#DIV/0!	
5	Tutors - Type 2								\$0.00	#DIV/0!	
6	Tutors - Type 3								\$0.00	#DIV/0!	
7	Site Lead or Coordinator								\$0.00	#DIV/0!	
8	Teachers								\$0.00	#DIV/0!	
9	Principal/School Leadership								\$0.00	#DIV/0!	
10	HR Personnel/Tutor Hiring								\$0.00	#DIV/0!	
11	IT								\$0.00	#DIV/0!	
12	Other Personnel 1								\$0.00	#DIV/0!	
13	Other Personnel 2								\$0.00	#DIV/0!	
14	Other Personnel 3								\$0.00	#DIV/0!	
15	Other Personnel 4								\$0.00	#DIV/0!	
16	Other Personnel 5								\$0.00	#DIV/0!	
17	<b>Training and Support</b>								\$0.00	#DIV/0!	
18	Tutor Coaches/Supervisors/Trainers								\$0.00	#DIV/0!	
19	Tutors - Type 1								\$0.00	#DIV/0!	
20	Tutors - Type 2								\$0.00	#DIV/0!	
21	Tutors - Type 3								\$0.00	#DIV/0!	

# Air Reading Virtual Tutoring Model

	Louisiana school district		Texas school district	
	Cost to society	Cost to school	Cost to society	Cost to school
Metric	Actual price	Actual price	Actual price	Actual price
Tutoring efficiency	14.5	14.5	17.8	17.8
Cost efficiency	37.6	42.7	37.6	42.7
Cost effectiveness	2.6	2.9	2.1	2.4

# Practical Takeaways

- Brainstorming tool can simplify ingredients for those without costs background
- Site visits and classroom observations can bring to light unseen costs
- Understand and use the appropriate level of precision in cost estimates

Amount charged per pupil by vendor:	\$	-	
Costs of tutoring included in that rate (please highlight which are included or delete ones that are not):	Tutor salary/stipend	\$	-
	Tutoring coordinator salaries	\$	-
	Tutoring personnel training (both initial and ongoing support)	\$	-
	Background checks for tutors, fingerprinting	\$	-
	Tutoring curriculum development fees	\$	-
	Tutoring books	\$	-
	Other:	\$	-
<b>Tutor type:</b>			
<b>Number of tutored students across all schools:</b>			
<b>Tutor:student ratio (how many students per tutor per session)</b>			
<b>Intended dosage:</b>			
<b>Actual dosage (on average):</b>			
<b>Cost Category</b>	<b>Quantity (persons or items)</b>	<b>Quantity (hours)</b>	<b>Description/Notes</b>
Teachers			
Head teachers			
Principals/School Leaders			
School IT personnel			
District IT personnel			
Additional school personnel			