

# Can Volunteers Be Effective Literacy Teachers?

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PA 706  
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December 4, 2007

# Why?

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- Evaluate program
  - Assess the value of community volunteers as literacy tutors
  - Evaluate efficacy and future roles of volunteers in education
  
- Research Question
  - The YES Reading curriculum and intervention model is effective in helping at-risk students increase their reading levels.

# Methodology

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- Quasi-Experimental
  - Historical data: 2004-05 & 2005-06 school year
  - Matched pair sampling
    - 27 matched pairs in grades 3 through 6
    - Students matched on initial reading scores
  
- Data secured through Principal and computer technician of school
  
- Compiled Data
  - Demographics (gender, grade, ethnicity)
  - 2005-06 SRI Reading scores
  - 2004-05 Language levels and state scores

# Results: 2 Sample T-Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	BegSRI (E -C)	-37.704	90.347	17.387	-73.444	-1.964	-2.168	26	.039
Pair 2	FinSRI (E-C)	-104.815	211.749	40.751	-188.580	-21.050	-2.572	26	.016
Pair 3	LS (E-C)	-6.240	35.979	7.196	-21.092	8.612	-.867	24	.394
Pair 4	LL (E-C)	-.111	.801	.154	-.428	.206	-.721	26	.477

# Results: Linear Regression

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	251.772	167.804		1.500	.140
Beg SRI 56	.387	.105	.439	3.700	.001
Recoded YES Reading	-74.149	43.031	-.179	-1.723	.091
Grade Now	45.557	22.508	.234	2.024	.048
LS45	-.414	.492	-.184	-.841	.404
LL45	55.655	36.427	.334	1.528	.133
Recoded Sex	-42.963	43.269	-.104	-.993	.326
Recoded Ethnicity	-65.267	114.733	-.058	-.569	.572

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.732(a)	.536	.471	151.808

# Implications

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- Flawed Model?
  - Possible other effects not taken into account
    - Special education status
    - Learning challenges
    - Behavioral challenges
  
- Future analysis
  - Gather additional information from teachers
  - Determine new matched pair based