Different Patterns of Between School Segregation in Public Schools in Brazil: The Case of Rio de Janeiro

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Research Questions

- What are the trends in segregation between Municipal Public School in Rio de Janeiro, for all available indicators of potential pupil disadvantage? Do the trends for each indicator represent part of an overall pattern, or are there several?

Why to Measure Between School Segregation?

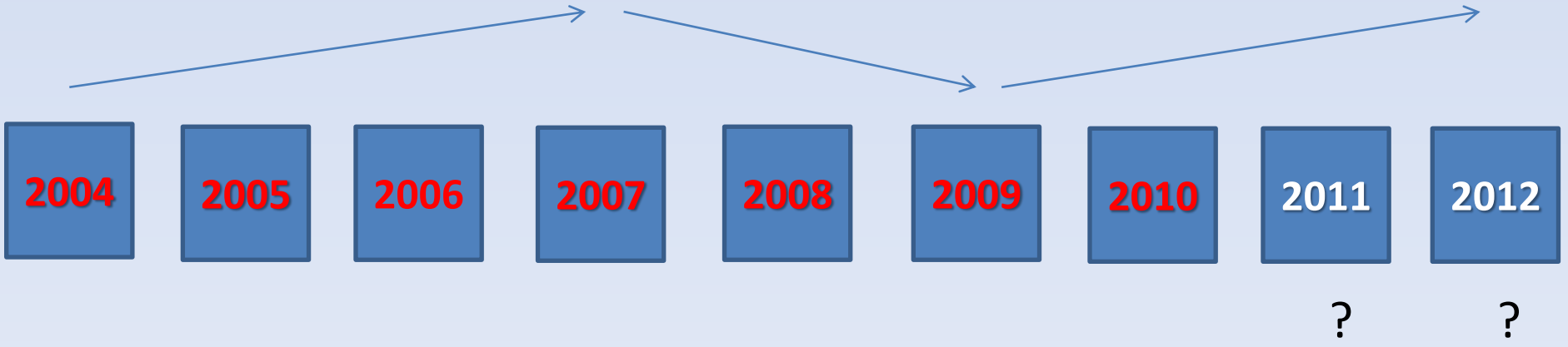
- Clustering pupils and overall level of attainment: what do we know?

- Segregation and overall educational opportunities.

Research Design 1

Levels of Between Schools Segregation

a) Municipal Educational System;
b) Educational Authorities in the City (10 CREs);
c) School's Polo (142).



What Do We Know so Far?

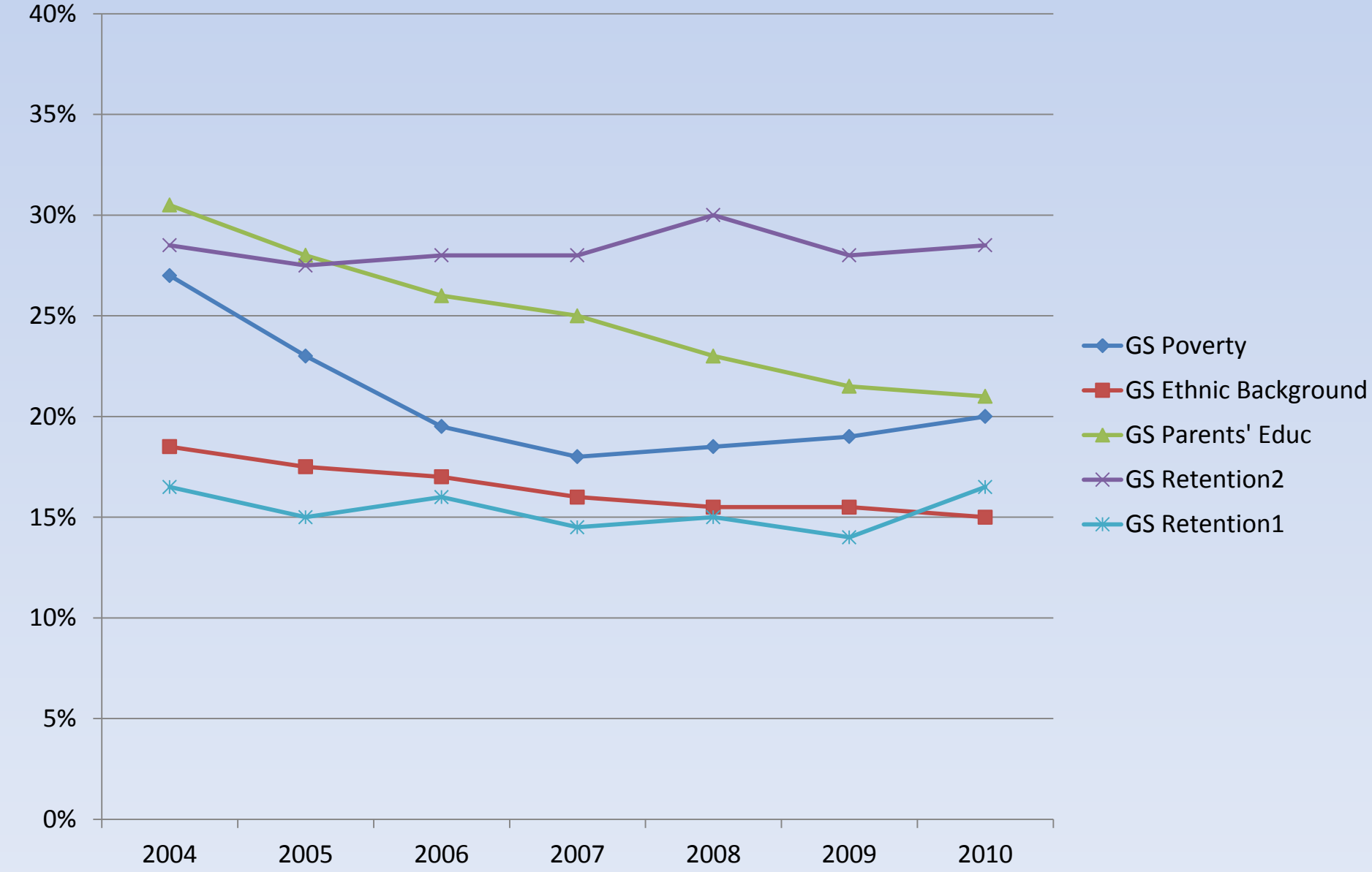
- 1) Both measures of Segregation Index (GS) and Dissimilarity Index (D) show same patterns, suggesting that both indicators are measuring the same phenomenon;
- 2) Each trend of segregation, using different indicators such as poverty, show distinctive trajectories over time;

What Do We Know so Far?

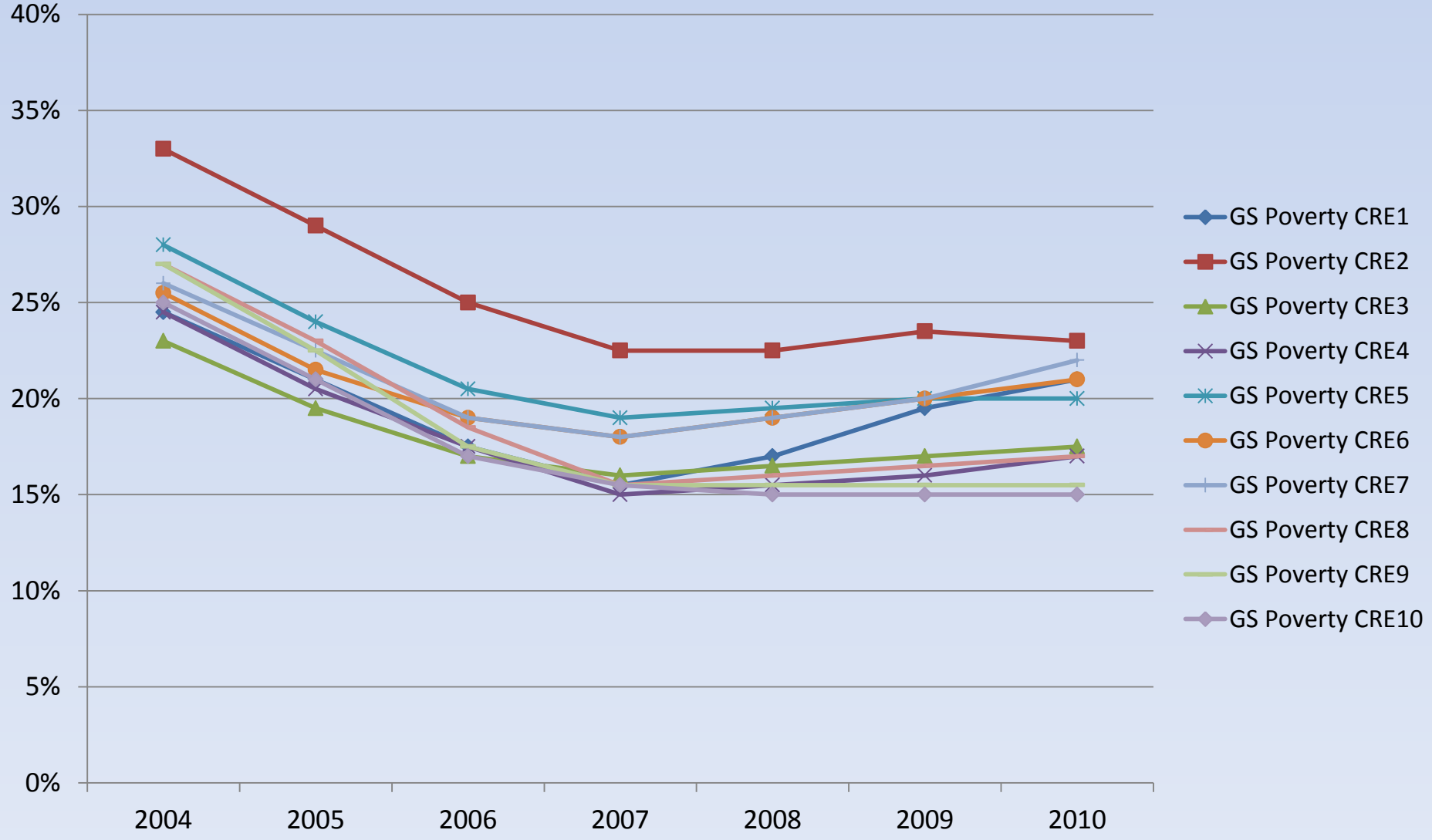
- 3) Comparing different Educational Authorities the levels of segregation can vary up to 50%;
- 4) The levels of segregation in all four variables were higher when comparing the segregation measured in different “school shifts” with the figures of the “school building”.

Indicators	Correlation
GS Parents' Educ/ **D** Parents' Educ	0,997
GS Ethnic Background/ **D** Ethinic Background	0,955
GS Poverty/ **D** Poverty	0,978
GS Retention1/ **D** Retention1	0,750
GS Retention2/ **D** Retention2	0,941

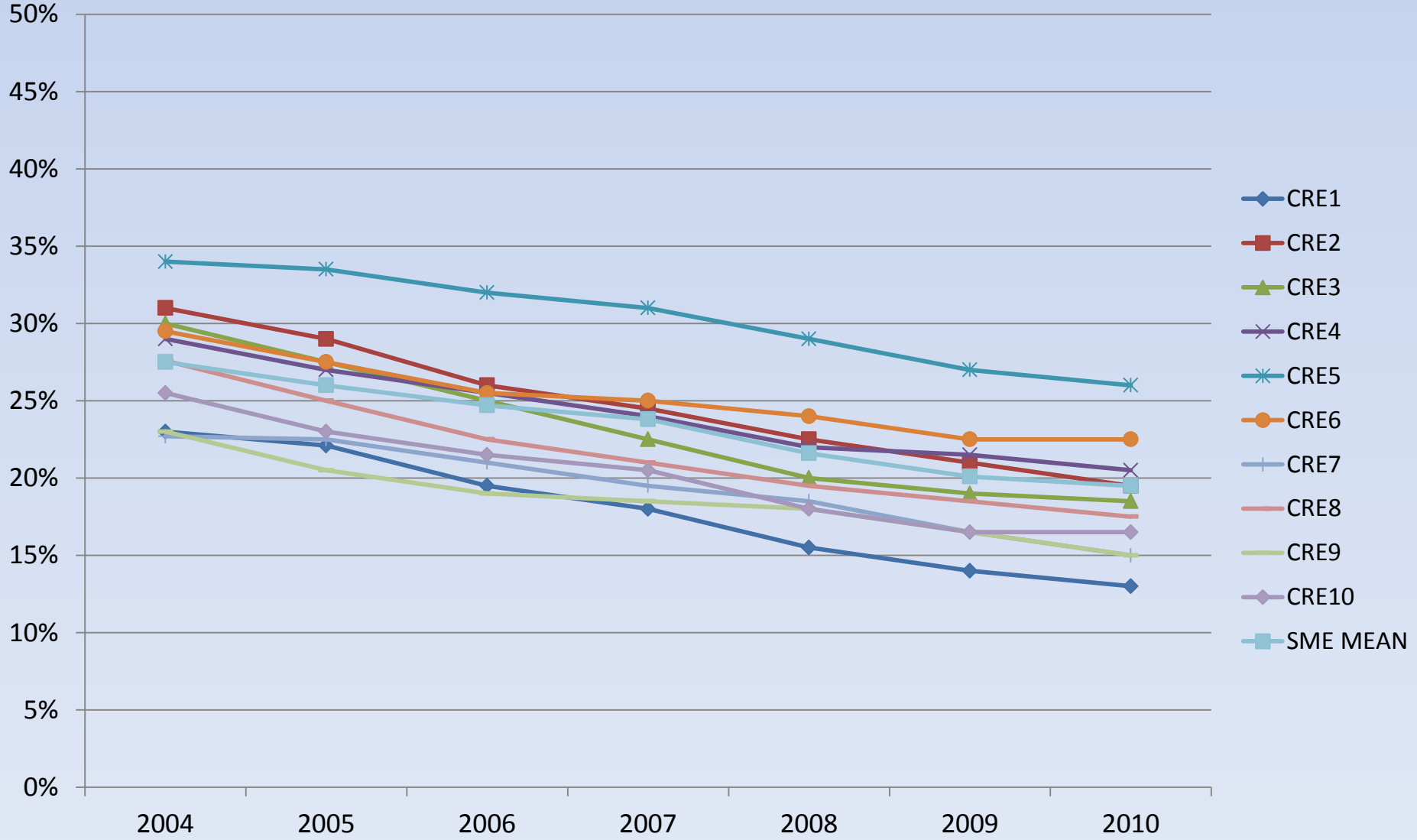
Trends of Segregation



Trends of Segregation Educational Authorities



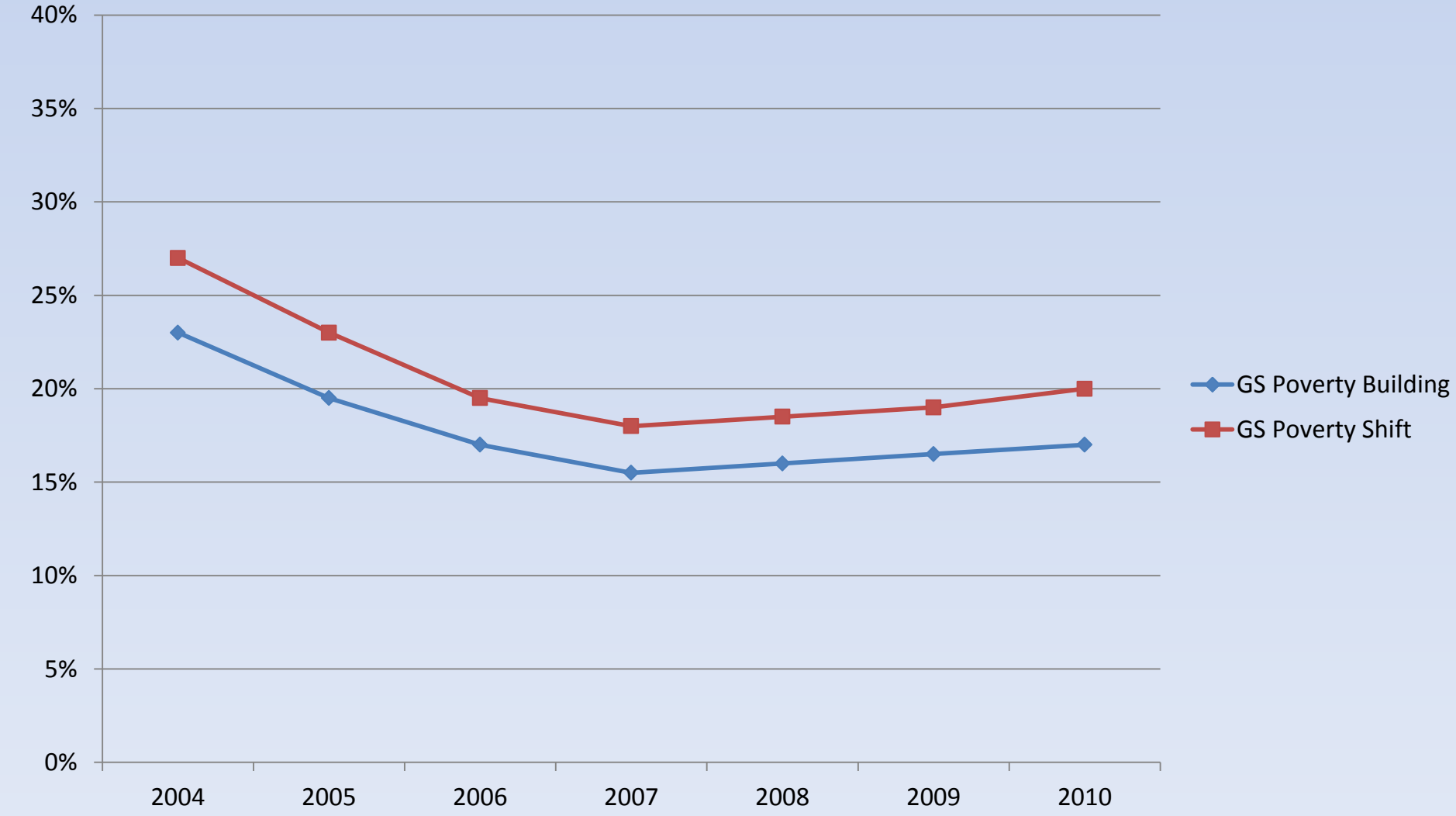
Trends of Segregation Educational Authorities



Change GS “School Shift” and “School Building”

	2004	2005	2006	2007	2008	2009	2010
GS Poverty	+ 17%	+ 15%	+ 15%	+ 16%	+ 16%	+ 15%	+ 18%
GS BP	+ 9%	+ 9%	+ 13%	+ 10%	+ 11%	+ 15%	+ 11%
GS EducFS	+ 11%	+ 8%	+ 6%	+2%	+ 7%	+ 8%	+ 8%
GS Retent1	+ 52	+ 41%	+ 45%	+ 36%	+ 41%	+ 32%	+ 38%
GS Retent2	+ 36%	+ 34%	+ 37%	+ 27%	+ 33%	+ 27%	+ 30%

“School Shifts” vs “School Building”



So, What Next?

- 1) Explain the different trends of segregation observed;
- 2) Estimate “School Mix Effect” using Segregation Index;