

Measuring the Impacts of Teachers I: Evaluating Bias in Teacher Value-Added Estimates

Measuring the Impacts of Teachers II: Teacher Value-Added and Student Outcomes in Adulthood

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This zip file contains the Stata programs used to generate all of the results.

[1] *analysis_final.do* produces all the tables, figures, and numbers reported in both papers.

[2] *create_schd_work_final.do* does basic data processing to construct the school district dataset.

[3] *vam.do* estimates teacher value-added measures from individual-level test scores. It implements the estimation method described in Appendix A of the first paper. *vam* is also available from the Stata SSC.

[4] *vam_policysim.do* performs simulations of the test score gains achieved by deselecting teachers on the basis of their VA, as described in Section 7 of the second paper.

[5] *binscatter_v5_10.do*, *fastxtile.do* & *eventstudy_v2_2.do* are locally-written general purpose Stata commands. *binscatter* is used to draw binned scatterplots. *fastxtile* is an alternative to the built-in *xtile* command which runs faster. *eventstudy* draws event study graphs. *binscatter* and *fastxtile* are also available from the Stata SSC.

[6] The following programs are helper commands, which are called from *analysis_final.do* to perform functions that occur repeatedly within the program:

longterm_crossclass_table.do
multi_graph_export.do
postvam_save_l2score.do
prepare_quasi.do
reshape_longterm_cc_output.do
residualize_middle_math.do