The Causes and Consequences of Test Score Manipulation: Evidence from the New York Regents Examinations

Thomas S. Dee                                                 Will Dobbie
Princeton University and NBER                        Stanford University and NBER

Brian A. Jacob                                                 Jonah Rockock
University of Michigan and NBER                      Columbia University and NBER

March 2018

Abstract

We show that the design and decentralized scoring of New York’s high school exit exams - the Regents Examinations - led to systematic manipulation of test scores just below important proficiency cutoffs. Exploiting a series of reforms that eliminated score manipulation, we find heterogeneous effects of test score manipulation on academic outcomes. While inflating a score increases the probability of a student graduating from high school by about 17 percentage points, the probability of taking advanced coursework declines by roughly 10 percentage points. We argue that these results are consistent with test score manipulation helping less advanced students on the margin of dropping out but hurting more advanced students that are not pushed to gain a solid foundation in the introductory material.