Last Name:

First Name:

Requirements: You have 110 minutes. The last three pages are marked scrap: you must detach them. There are no aids allowed. Keep these papers closed on your desk until the start of the test is announced. Only test pages 5 – 8 and not scrap pages will be marked. Write your final answer on pages 5 and 6: use page 7 only if absolutely necessary and page 8 in an emergency. Remember: conciseness affects your mark. (Conciseness does *not* mean writing a lot but in small handwriting to fit in two pages.) No additional paper is provided beyond page 8: your answer must fit. Write legibly.

Background: These sources – provided ahead of time – prepare you for this test: **(1)** The first five weeks of course material including lectures, homework and required readings with a special emphasis on week 4 and 5 materials (scatter plots, association, correlation, causality, and regression analysis); **(2)** David Leonhardt, July 22, 2013, *The New York Times* "In climbing income ladder, location matters" http://www.nytimes.com/2013/07/22/business/in-climbing-income-ladder-location-matters.html; **(3)** Executive Summary, January 2014 "Where is the land of opportunity? The geography of intergenerational mobility in the U.S." Raj Chetty, Nathaniel Hendren, Patrick Kline and Emmanuel Saez http://obs.rc.fas.harvard.edu/chetty/website/v2/Geography%20Executive%20Summary%20and%20Memo%20January%202014.pdf; **(4)** "Frequently Asked Questions" on "The Equality of Opportunity Project" website: http://www.equality-of-opportunity.org/index.php/faq-s; **(5)** Abstract, Introduction (pp. 1 – 5), Conclusion (pp. 42 – 43) and Figure VIII (p. 91