Online Appendix for:

Detecting ''Bad'' Leverage

Amir Sufi University of Chicago Booth School of Business and NBER August 2011

I. Data

Mortgage origination and denial rate data at the zip-year level, 1991 - 2009: FFIEC Home Mortgage Disclosure Act, available at http://www.ffiec.gov/hmda/orderform.htm

Household debt and credit score information at zip-year level, 1991 - 1997, and zip-quarter level, 1998 - 2010 from Equifax Predictive Services. Contact Linda Mueller at Linda.Mueller@equifax.com.

Aggregate household debt from Federal Reserve Flow of Funds. Aggregate income from NIPA.

Figure 1 U.S. Household Debt

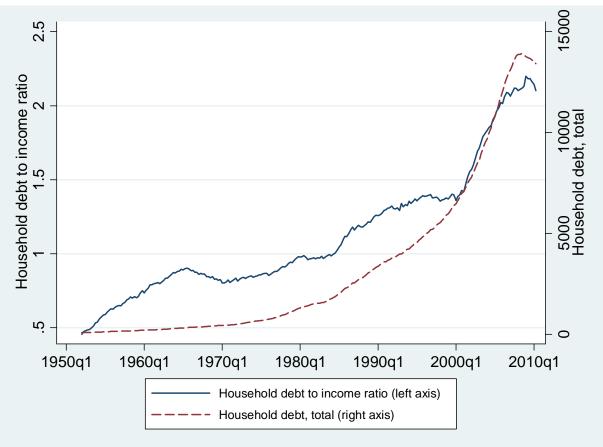
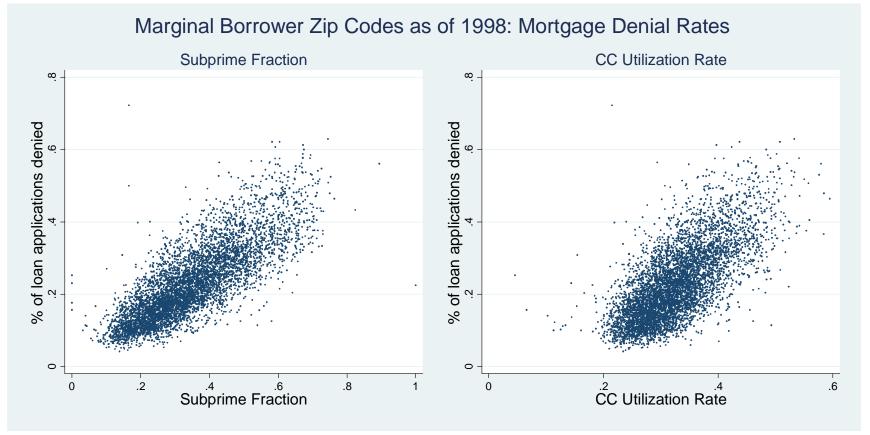


Figure 2 Measuring ''Marginal'' Borrowers



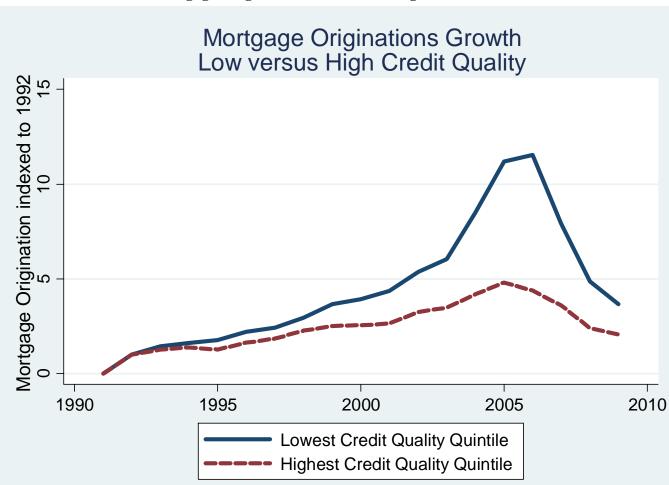


Figure 3 Mortgage Origination Growth to Marginal Borrowers

Per Capita Income Growth Low versus High Credit Quality 2.5 Income indexed to 1991 1.5 2 l 1998 2001 2002 1991 2004 2005 2006 2007 Lowest Credit Quality Quintile Highest Credit Quality Quintile

Figure 4 Income Growth for Marginal Borrowers

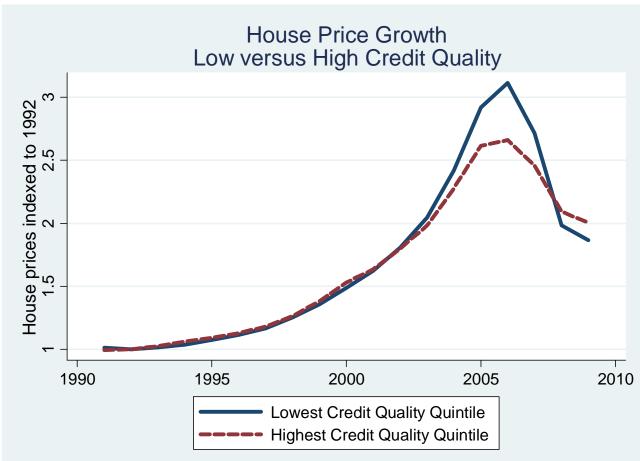


Figure 5 House Price Growth for Marginal Borrowers

Figure 6 Total Debt Growth and Low Credit Quality-Origination Correlation

