DISCUSSION OF "CREDIT SUPPLY AND THE HOUSING BOOM" BY ALEJANDRO JUSTINIANO, GIORGIO E. PRIMICERI, AND ANDREA TAMBALOTTI

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The long essay by Levitin and Wachter, cited in the paper, says the following in its abstract:

[Our paper] demonstrates that the bubble was a supply-side phenomenon attributable to an excess of mispriced mortgage finance: mortgage-finance spreads declined and volume increased, even as risk increased—a confluence attributable only to an oversupply of mortgage finance.

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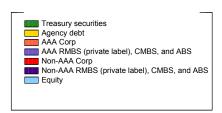
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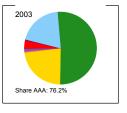
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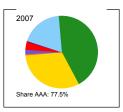
Many different institutions have emerged to tranche risk in this way: banks, hedge funds, and securtizations with credit enhancement to create low-risk instruments (AAA-rated tranches) for some clienteles, and high-risk instruments (equity tranches) for others

RISK-AVOIDING PORTFOLIO, FROM BERNANKE'S GLOBAL-SAVING-GLUT PAPER, 2011

Held by global saving glut countries



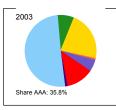


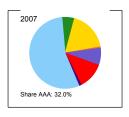


RISK-LOVING PORTFOLIO

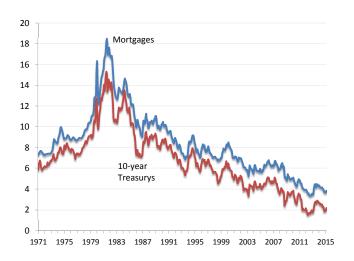
Held by U.S. residents



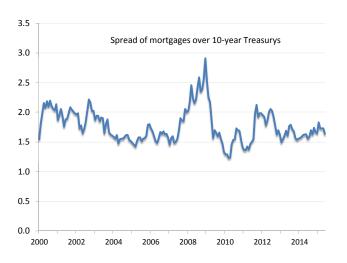




30-YEAR FIXED-RATE MORTGAGE INTEREST RATE AND 10-YEAR TREASURY BOND RATE



MORTGAGES V. TREASURYS DURING THE EXPANSION, CRISIS, AND RECOVERY



HOW STRONG IS THE EFFECT OF THE LOWER INTEREST RATE?

The Gordon dividend-growth model applied to housing may help on this:

$$p = \frac{f}{r - g}$$

a lower interest rate r or a higher flow-value growth rate g raises the price of housing p

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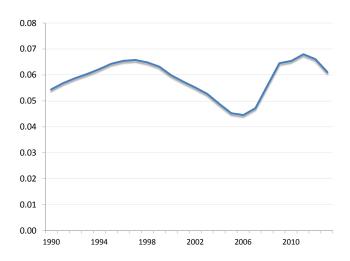
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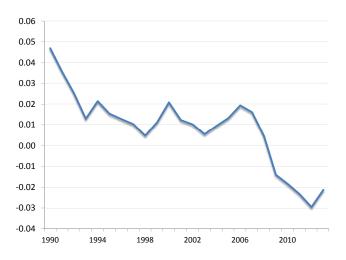
$$g = r - \frac{f}{p}$$

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RATIO OF FLOW VALUE OF OWNER-OCCUPIED REAL ESTATE TO MARKET VALUE



Implied nominal expected growth rates of flow value



CONCLUSIONS ABOUT THE ROLE OF THE INTEREST RATE

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But the collapse of prices starting in 2007 was not at all the result of rising interest rates, but rather of a large decline in the expected growth of the flow value of housing

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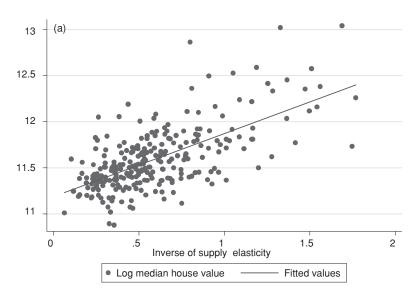
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A paper by Albert Saiz has demonstrated this point, and provides strong evidence of the heterogeneity of housing markets along this dimension

Albert Saiz, QJE



Modeling the opening of the mortgage Market

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MODELING THE OPENING OF THE MORTGAGE MARKET

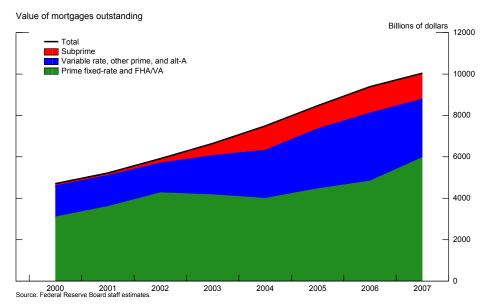
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More subtle modeling would recognize the specific importance of new types of mortgages, which extended mortgage financing to borrowers previously excluded

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EXPANSION OF NON-TRADITIONAL MORTGAGES



THE FAX MACHINE REMOVED A KEY MORTGAGE BOTTLENECK



The fax machine removed a key mortgage bottleneck



The fax was the first practical way to distribute the terms of mortgages in the wholesale market to independent brokers, who proved to be adept at helping previously excluded classes of borrowers obtain loans

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CONCLUDING REMARKS

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So the paper's characterization of the rise in supply might better be the connection to the world interest rate, rather than a shift of a fixed constraint.

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