

The Conditional Probability of Foreclosure: An Empirical Analysis of Conventional Mortgage Loan Defaults

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Abstract

This paper analyzes the factors affecting the conditional probability that defaulted residential mortgage loans will foreclose. We analyze a large national sample of conventional loans, which have been in default at least once during the 1988 to 1994 period. For such loans, lenders and borrowers either individually or jointly make choices which lead to the following outcomes: (1) resumption of payments, (2) termination by prepayment, or (3) foreclosure. Our estimates of a logit model indicate that termination option values and local area economic and housing market conditions affect default resolution probabilities. Perhaps more importantly, simulations using the logit model indicate that the efficiency of the default resolution process may be substantially improved by legal and regulatory reforms.

References

Ambrose, B.W. and R.J. Buttimer, Jr. 2000. Embedded Options in the Mortgage Contract. *Journal of Real Estate Finance and Economics* 21(2): 95-111. DOI: 10.1023/A:1007819408669

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Ambrose, B.W. and C.A. Capone, Jr. 1998. Modeling the Conditional Probability of Foreclosure in the Context of Single-Family Mortgage Default Resolutions. *Real Estate Economics* 26(3): 391–429. DOI: [10.1111/1540-6229.00751](https://doi.org/10.1111/1540-6229.00751)

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Ambrose, B.W. and C.A. Capone, Jr. 2000. The Hazard Rates of First and Second Default. *Journal of Real Estate Finance and Economics* 20(3): 275–293. DOI: [10.1023/A:1007837225924](https://doi.org/10.1023/A:1007837225924)

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Clauretie, T.M. and T. Herzog. 1990. The Effect of State Foreclosure Laws on Loan Losses: Evidence from the Mortgage Insurance Industry. *Journal of Money Credit and Banking* 22(2): 315–329.

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Foster, C. and R. Van Order. 1984. An Option Based Model of Default. *Housing Finance Review* 3(4): 351–372.

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Haurin, D.R., P.H. Hendershott and D. Kim. 1991. Local House Price Indexes: 1982–1991. *Journal of the American Real Estate and Urban Economics Association* 19(3): 451–472.

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Kau, J.B. and D.C. Keenan. 1995. An Overview of the Option Theoretic Pricing in Mortgages. *Journal of Housing Research* 6(2): 217–244.

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Kau, J.B., D.C. Keenan and T. Kim. 1993. Default Probabilities for Mortgages. *Journal of Urban Economics* 32: 302–314.

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Phillips, R.A., E. Rosenblatt and J.H. VanderHoff. 1996. The Probability of Fixed and Adjustable Rate Mortgage Termination. *Journal of Real Estate Finance and Economics* 13(2): 95–104. DOI: 10.1007/BF00154050

Quercia, R.G. and Michael A. Stegman. 1992. Residential Mortgage Default: A Review of the Literature. *Journal of Housing Research* 3(2): 341–370.

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