



Is default risk priced equally fast in the credit default swap and the stock markets? AN empirical investigation



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ABSTRACT

We examine whether default risk is priced equally fast in the credit default swap (CDS) and the stock markets in the main economic sectors of North America, Europe, the UK, and Asia. We find significant evidence in all of these regions and economic sectors that the stock market leads the price discovery process because it reflects default risk faster than the CDS market. We also find weak evidence that the documented lead-lag relation is not regime-dependent and that is stronger for negative stock market news. Our findings do not confirm the theoretical prediction that the CDS market responds faster than the stock market to changing credit conditions. Consistent with the market selection theories, our findings imply that informed traders prefer to trade default risk mostly in the stock market but uninformed traders mostly in the CDS market.

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1. Introduction

This paper examines whether default risk is priced faster in the credit default swap (CDS) market or the stock market. In frictionless markets, the prices of CDS and stock prices should be closely related because they depend on the distribution of the market value of the firm's corporate assets. In particular, large CDS spreads should be related to a stock's low valuation and/or high volatility and vice versa. Under both scenarios the arrival of information that is related to changing default risk should instantly and simultaneously be absorbed by the two markets, and the stock returns and the CDS spread changes should be contemporaneously correlated but not cross-autocorrelated. However, if one market processes information more efficiently than the other, then it can price the changing default risk faster than the other. The actions of informed traders can then lead to a lead-lag relation between the returns of the two markets.

A CDS is a contract that allows the transfer of credit exposure between two parties on a particular firm or country (i.e., the reference entity). The buyer of a CDS periodically pays a premium to the seller of the CDS until the maturity of the contract (i.e., bond) or the occurrence of a credit event; whichever comes first. In the case of a credit event the buyer of the CDS receives compensation for the loss incurred equal to the difference between the nominal value of the bond and its market value after the occurrence of the credit event.¹ The CDS spreads are determined solely by default risk. Further, the CDS market

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¹ According to the (ISDA, 2014) a credit event can take the form of a bankruptcy, obligation acceleration, obligation default, failure to pay, repudiation or moratorium (for sovereign entities), or a restructuring. The most important credit event is the restructuring of debt because it does not always or immediately lead to a loss for the CDS holder.

Race And Default In The Credit Markets A Colloquy

Julia Schneider



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Race and Default in Credit Markets Michael A. Stegman,1996-07 A research commentary on the critical policy issue of whether or not racial discrimination exists in the home mortgage lending industry A collection of essays on this topic by experts such as John Yinger Stephen Ross George Galster Also includes commentaries on mortgage performance housing market discrimination default rates their place in the controversy the role of FHA data in the lending discrimination discussion Graphs charts The Color of Credit Stephen L. Ross,John Yinger,2002-11-08 An analysis of current findings on mortgage lending discrimination and suggestions for new procedures to improve its detection In 2000 homeownership in the United States stood at an all time high of 67 4 percent but the homeownership rate was more than 50 percent higher for non Hispanic whites than for blacks or Hispanics Homeownership is the most common method for wealth accumulation and is viewed as critical for access to the most desirable communities and most comprehensive public services Homeownership and mortgage lending are linked of course as the vast majority of home purchases are made with the help of a mortgage loan Barriers to obtaining a mortgage represent obstacles to attaining the American dream of owning one s own home These barriers take on added urgency when they are related to race or ethnicity In this book Stephen Ross and John Yinger discuss what has been learned about mortgage lending discrimination in recent years They re analyze existing loan approval and loan performance data and devise new tests for detecting discrimination in contemporary mortgage markets They provide an in depth review of the 1996 Boston Fed Study and its critics along with new evidence that the minority white loan approval disparities in the Boston data represent discrimination not variation in underwriting standards that can be justified on business grounds Their analysis also reveals several major weaknesses in the current fair lending enforcement system namely that it entirely overlooks one of the two main types of discrimination disparate impact misses many cases of the other main type disparate treatment and insulates some discriminating lenders from investigation Ross and Yinger devise new procedures to overcome these weaknesses and show how the procedures can also be applied to discrimination in loan pricing and credit scoring What We Know About Mortgage Lending Discrimination in America Margery Austin Turner,2000-07 This report adds to the growing body of evidence that discrimination remains a significant problem a sizable barrier to opportunity in America It outlines how discrimination can affect minorities access to mortgage capital the key to becoming a homeowner at multiple stages of the lending process it suggests directions for further research oversight on these important The Dept of Housing Urban Develop HUD commissioned this independent study to review extend what we know about the complexities of mortgage markets nationwide HUD will use this information to further develop its policies programs aimed at ensuring equal opportunity for all **Cityscape** ,1997 *Handbook on the Economics of Discrimination* William M. Rodgers,2009-01-01 The papers contained in the first part of the book are particularly valuable as a primer for researchers interested in economic discrimination On this basis alone this book is recommended for researchers seeking an overview of

current techniques for assessing economic discrimination The final section nicely highlights both the importance in understanding the interaction of policy and economic discrimination and the difficulties in isolating policy effects Education Economics Editor Rodgers has compiled a very useful book that summarizes the current state of the literature on economic discrimination This reviewer learned something new and interesting in every chapter and particularly appreciated the clear survey of the age discrimination literature This book will be of value to academics and to those in the legal arena Highly recommended J P Jacobsen Choice Discrimination s dynamic nature means that no single theory method data or study should be relied upon to assess its magnitude causes or remedies Despite some gains in our understanding these remain active areas of debate among researchers practitioners and policymakers The specially commissioned papers in this volume all by distinguished contributors present the full range of issues related to this complex and challenging problem Part 1 explores innovations in methods and data collection that help to provide richer descriptions of inequality Part 2 reviews empirical evidence on discrimination that people with disabilities older workers and gay lesbian and bisexual individuals face Although discrimination among these groups is not new this Handbook shows that economists are beginning to more fully document their experiences Part 3 presents a balanced discussion of anti discrimination policies and the impact of affirmative action The methods and data chapters are particularly designed to encourage researchers to utilize the new approaches and develop new data sources Accessible and comprehensive the Handbook is the seminal reference on the economics of discrimination for academic and professional economists graduate students advanced undergraduates practitioners policymakers and funders of social science research *Journal of Housing Research* ,1997 *Forthcoming Books* Rose Army,1997 **Government Reports Announcements & Index** ,1996 *Cityscape* United States. Dept. of Housing and Urban Development. Office of Policy Development and Research,1997-01-01 **Bibliographic Index** ,1997 Subject Guide to Books in Print ,1997 *Market Interest Rate for Project Mortgage Insurance* ,1975 Congregate Housing Services Program (CHSP) Operating Procedures ,1996 Congregate Housing Services Program (CHSP) Operating Procedures United States. Department of Housing and Urban Development,1996 **Federal Register** ,1989 **Final Rules Implementing the Fair Housing Amendments Act of 1988 (54 FR 3232, January 23, 1989)**. United States. Department of Housing and Urban Development,1989 **Fair Housing Assistance Program** United States. Office of Fair Housing and Equal Opportunity,1990 **Code of Federal Regulations** ,1994 Code of Federal Regulations United States. Department of the Treasury,1995 Special edition of the Federal register containing a codification of documents of general applicability and future effect as of April 1 with ancillaries **New York Magazine** ,1978-11-20 New York magazine was born in 1968 after a run as an insert of the New York Herald Tribune and quickly made a place for itself as the trusted resource for readers across the country With award winning writing and photography covering everything from politics and food to theater and fashion the magazine s consistent mission has been to reflect back to its audience the energy

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