

## BRITTANY ALMQUIST LEWIS

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### ACADEMIC APPOINTMENTS

|  |                |
|--|----------------|
| Olin School of Business, Washington Univ. St. Louis, <i>Assistant Professor of Finance</i> | 2022 – present |
| Guthrie Center for Real Estate, Northwestern University, <i>Visiting Scholar</i>           | 2020 – present |
| Kelley School of Business, Indiana University, <i>Visiting Associate Researcher</i>        | 2022 – 2023    |
| Kelley School of Business, Indiana University, <i>Assistant Professor of Finance</i>       | 2020 – 2022    |

### RESEARCH APPOINTMENTS

|   |                  |
|---|------------------|
| Board of Governors of the Federal Reserve System, <i>Dissertation Fellow</i>        | Jul. – Nov. 2018 |
| Federal Reserve Bank of San Francisco Thomas J. Sargent, <i>Dissertation Fellow</i> | Jun. – Jul. 2018 |

### RESEARCH FIELDS

Financial Intermediation, Household Finance, Real Estate

### EDUCATION

Kellogg School of Management, Northwestern University, Ph.D. Finance, 2020  
Dissertation: “Essays on Financial Intermediation”  
Committee: Dimitris Papanikolaou, Lawrence Christiano, Janice Eberly, John Mondragon  
Kellogg School of Management, Northwestern University, M.S. Finance, 2020  
Boston College, B.A. Finance (cum laude), 2010  
Boston College, B.A. Information Systems (cum laude), 2010

### PUBLICATIONS

1. [Lewis, Brittany](#), 2023, [“Creditor Rights, Collateral Reuse, and Credit Supply.”](#) *Journal of Financial Economics* 149, 451-472

(previously titled: *The Effect of Dealer Leverage on Mortgage Quality*)

- Press: [Kelley School of Business News](#) • [The Record](#)
- AEA 2022: [Poster Presentation](#)

Securities dealers receive mortgages as collateral for credit lines provided to mortgage companies and reuse the same collateral to borrow money. Exploiting the 2005 BAPCPA rule change, which granted mortgage collateral preferred bankruptcy treatment, I find that strengthening creditor rights increases dealers' collateral reuse. Increasing collateral reuse creates a money multiplier that increases credit supply. Using a novel dataset linking dealers to the mortgage companies they fund reveals that post-BAPCPA, dealers supply additional credit to mortgage companies by increasing credit lines and relaxing restrictions on collateral securing them. In response, mortgage companies increase origination volume and shift into riskier products.

## WORKING PAPERS

### 2. [Lewis, Brittany](#), 2022, [“The Impact of Collateral Value on Mortgage Originations”](#)

- Part of the IU Racial Justice Research Fund grant proposal, "Racial Inequality in the Housing Market"

We generate a model of mortgage lending where a lender lends in two markets: one for conforming mortgages and one for alternative mortgages. The model assumes that alternative mortgage products are optimal for borrowers with higher income variability. When the collateral value of alternative mortgages increases, it decreases lenders' cost of capital, leading lenders to decrease the price that they charge. If the price falls below the borrowers' reservation price, lending expands in this market. We interpret BAPCPA 2005 as an increase in collateral value of alternative mortgages. Consistent with the model, regions more exposed to BAPCPA increased lending to high-income-variability borrowers via alternative products. The paper documents that BAPCPA caused the sudden expansion of negative amortizing and alternative mortgage products, especially among minority-dominant zip codes, leading up to the Global Financial Crisis, and disproportionately increased mortgage default in these areas during the crisis.

### 3. Hamdi, Naser, [Jiang, Erica](#), [Lewis, Brittany](#), [Padi, Manisha](#), and [Pal, Avantika](#), 2023, [“The Rise of Non-Banks in Servicing Household Debt”](#)

- Part of the NBER grant proposal, "Shadow Banks and Financial Distress in Minority Communities: The Debt Servicing Channel," Co-PI with Erica Jiang and Manisha Padi

Over the past two decades, the mortgage industry has been transformed from the traditional bank-centered deposit taking, lending, and servicing model to a fragmented market with high non-bank participation. We document a novel mechanism for this unbundling – mortgage servicing transfers – and study the role of bank regulation in transforming servicing. Using a near universe of consumer credit records, we show that banks increase transfers of mortgage servicing rights (MSRs) to non-banks following the announcement of Basel III's higher regulatory costs of holding MSR assets for banks. Based on predictions of a simple model of servicing transfers, we demonstrate which types of banks and loans experience the highest transfer rates. We find that banks selectively transferred below-median income, subprime, and 60+ day delinquent MSRs to non-banks. Loans subject to transfer due to regulatory pressure experienced more foreclosures and personal bankruptcies. Our results suggest that growth in the unbundling of mortgage servicing increased existing disparities in financial risks across households.

## WORK IN PROGRESS

### 4. [Lewis, Brittany](#), 2020, [“Real Effects of Capping Bank Leverage”](#)

In this paper, I study the effects of bank leverage ratio restrictions in a general equilibrium model of the macroeconomy where lenders can anticipate bank runs. This framework allows the analysis of the tradeoffs associated with bank capital requirements - while unlimited leverage allows capital to flow most freely to its most efficient users, limiting leverage through capital requirements reduces the probability of a bank run. This model enables me to study the general equilibrium effects of these tradeoffs on household welfare to understand characteristics of the optimal bank leverage ratio requirement. I find that the optimal leverage restriction will be time varying across the business cycle. When the household's marginal utility of consumption is highest, the leverage ratio requirement should be the least restrictive. Conversely, when

the household's marginal utility approaches its steady state level, the optimal leverage ratio becomes more restrictive.

## SEMINARS & CONFERENCES

*Seminars (including scheduled), \*presented by co-author*

**2023:** Washington University in St. Louis • University of Colorado Boulder • UT Austin • Federal Reserve Board\* • UT-Austin Law\* • UT-Dallas Law\* • Treasury\* • USC – Marshall\*

**2022:** Federal Reserve Bank of New York

**2021:** Junior Household Finance Seminar (UVA, Federal Reserve Bank of Philadelphia) • University of Oregon (Lundquist) • IU Summer Health Policy Workshop • Stanford GSB • Washington University in St. Louis (Olin)

**2020:** Emory (Goizueta) • Federal Reserve Bank of New York • University of Georgia (Terry) • University of Delaware (Lerner) • University of Wisconsin-Madison • Federal Reserve Board of Governors • Johns Hopkins (Carey) • Federal Reserve Bank of Richmond • Federal Reserve Bank of Boston • London Business School • Bank for International Settlements • Indiana University (Kelley) • Federal Reserve Bank of Dallas • University of Melbourne • Monash University • Junior Household Finance Seminar (UVA, Federal Reserve Bank of Philadelphia) • Northwestern Department of Economics

**2019:** Wisconsin School of Business at UW Madison • Kellogg School of Management Strategy Department • Northwestern Department of Economics

**2018:** Federal Reserve Bank of San Francisco • Federal Reserve Board of Governors Division of Financial Stability

**2008:** Boston College Undergraduate Research Symposium, *Awarded Best Presentation*

*Seminars & Conference Presentations (including scheduled), \*presented by co-author*

**2023:** AFA AFFECT Workshop • Chicago Booth Empirical Finance Conference • SAET • Stanford Institute for Theoretical Economics (SITE) • Red Rock\* • INFORMS Annual Meeting • Junior Finance Conference, UW-Madison\* • Fischer Shain Research Conference\* • Census Bureau Workshop on Race, Ethnicity, and Inequality

**2022:** AEA • AEA • Berkeley Consumer Law Scholars Conference • WFA • Olin-St. Louis Federal Reserve Mini-Conference

**2021:** Eastern Economic Association (EEA) • Berkeley Consumer Law Scholars Conference • Midwest Finance Association (MFA) • Oxford Saïd - ETH Zurich Macro-finance Conference

## DISCUSSIONS *(including scheduled)*

- 2024:** ASSA IBEFA • AFA
- 2023:** Berkeley Consumer Law Scholars Conference • SFS Cavalcade • NBER Summer Institute (Household Finance) • University of Oregon Summer Finance Conference
- 2022:** Midwest Finance Association (MFA), Craig Holden Memorial Conference
- 2021:** 5<sup>th</sup> Annual Yale Junior Finance Conference • Western Economic Association (WEA) • Conference on Financial Economics and Accounting (CFEA)
- 2020:** Midwest Finance Association (MFA)

## PROFESSIONAL ACTIVITIES

Refereeing: *Journal of Monetary Economics, Journal of Financial Services Research, Management Science*

## AWARDS AND FELLOWSHIPS

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|--|-------------|
| Household Finance Grant, NBER (\$15,000, Co-PI)  | 2022 – 2023 |
| Research Equipment Fund Grant, Indiana University (\$75,000, PI)                       | 2021        |
| Kelley Research Funding Grant, Kelley School of Business (\$20,600, PI)                | 2021        |
| Kelley Research Funding Grant, Kelley School of Business (\$15,000, Co-PI)             | 2021        |
| Racial Justice Research Fund, Indiana University (\$15,000, PI) <a href="#">(Link)</a> | 2020 – 2021 |
| Kellogg Research Funding Grant, Northwestern University (\$3,000, PI)                  | 2019        |
| Kellogg School of Management Fellowship, Northwestern University                       | 2014 – 2019 |
| MFS - 10th Macro Finance Society Workshop Ph.D. Award <a href="#">(Link)</a>           | 2017        |
| Henrietta Grigg-Lewis Foundation Scholarship   | 2006 – 2009 |
| Boston College Advanced Study Grant, Awarded Best Presentation                         | 2007        |
| Western New York Academic Scholarship  | 2006 – 2007 |

## TEACHING EXPERIENCE

### Washington University – St. Louis

FIN 470A/560A: Research Methods in Finance (Undergraduate, MSF) Fall 2022 – present

### Indiana University

F300: Introduction to Financial Management (Undergraduate) Fall 2020 – Fall 2021

### Northwestern University (teaching assistant)

FINC 470: International Finance (MBA and Executive MBA) Fall 2015 – Fall 2017  
Professor Sergio Rebelo

FINC 941: Macroeconomic Policy and Global Capital Markets (MBA) Winter 2016 – Spring 2017  
Professor Janice Eberly  
Professor Nicolas Crouzet

### Boston College (teaching assistant)

ISYS0021: Computers in Management (Undergraduate) Fall 2007 – Fall 2008  
Professor Gerald Kane

## RESEARCH EXPERIENCE

|  |                      |
|--|----------------------|
| Research Assistant to Professor Brian Weller, Kellogg School of Management | Jul. – Aug. 2015     |
| Research Assistant to Professor Gerald C. Kane, Boston College             | Mar. 2007 – May 2008 |

## PROFESSIONAL EXPERIENCE

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|--|-----------------------|
| Analysis Group, Summer Analyst Intern (2008)/Analyst/Sr. Analyst, Boston, MA | Aug. 2010 – Jun. 2014 |
| Pioneer Investments, Equity Research Summer Analyst, Singapore               | Aug. – Sep. 2009      |
| KPMG, Information Technology (IT) Advisory Summer Analyst, New York City, NY | Jun. – Jul. 2009      |

## OTHER ACTIVITIES AND SERVICE

### Service to the Profession:

|  |      |
|--|------|
| Session Chair, EFA                         | 2023 |
| Faculty Host, SFS Cavalcade North America  | 2020 |
| Federal Reserve Board Mentoring to Interns | 2020 |

### Outreach:

|                                  |           |
|----------------------------------|-----------|
| Public Service Economics, Boston | 2010-2013 |
| Dress for Success, Boston        | 2008-2009 |

## PERSONAL INFORMATION

Citizenship: USA

## SKILLS

**Language:** English (native), Spanish (advanced)

**Computer:** SAS, STATA, R, SQL, Matlab, Fortran, Python, Command Line Scripting, HTML, PHP, LiveCode, Socialtext Wiki, LaTeX