



KYLE BINDER

I am a quantitative team lead with a versatile skillset lying at the intersection of statistics, economics, and data science. I currently manage a team of quantitative analysts that builds and maintains production-level econometric models for the Federal Reserve System. I have experience communicating complex market and model concepts to senior stakeholders, developing analytical tools (including software packages and applications), and publishing research in peer-reviewed academic journals.

CURRENT POSITION

- 2022-present**
 - Quantitative Manager**
Federal Reserve Bank of Chicago  Chicago, IL
 - Lead of the Federal Reserve System's commercial real estate stress test modeling team
 - Manage team of economists, quant analysts, and data scientists at FRB Chicago
- 2019-2022**
 - Lead Quantitative Specialist**
Federal Reserve Bank of Chicago  Chicago, IL
 - Deputy, then Acting Lead of the Federal Reserve System's commercial real estate stress test modeling team
 - Research and analytics in US commercial real estate finance
- 2016-2019**
 - Senior Quantitative Specialist**
Federal Reserve Bank of Chicago  Chicago, IL
 - R&D, production, and monitoring for wholesale credit risk supervisory models




EDUCATION

- 2016**
 - Texas A&M University**
Ph.D. in Applied and Agricultural Economics  College Station, TX
 - Focus on time series modeling, resource and energy economics
- 2012**
 - Centre College**
B.S. in Financial Economics  Danville, KY

PUBLICATIONS

- 2021**
 - Bank exposure to commercial real estate and the Covid-19 pandemic**
Chicago Fed Letter No. 463
Binder, K., E. Greenwald, S. Schulhofer-Wohl, and A. Drexler

CONTACT INFO

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SKILLS

Background in econometric and statistical modeling, analytical tool development

Leadership and project management of model development tasks and workflows

Communicating technical topics to non-technical audiences

Highly skilled in R, SQL

Experienced in Python, Stata, SAS, Unix bash scripting



User and proponent of Git, Rmarkdown

This resume was made with the R package [pagedown](#).

Last updated on 2023-05-26.

- 2020 ● **The role of temporal dependence in factor selection and forecasting oil prices**
Empirical Economics 58 (3): 1185-1223
Binder, K.E., M. Pourahmadi, and J.W. Mjelde
- 2018 ● **Projecting impacts of carbon dioxide emission reductions in the U.S. electric power sector: evidence from a data-rich approach**
Climatic Change 151 (2): 143-155
Binder, K.E. and J.W. Mjelde
- 2017 ● **Fuel inventory and price relationships in the U.S. electric power sector under regulatory and market change**
Journal of Regulatory Economics 51 (2): 197-219
Binder, K.E. and J.W. Mjelde
- 2016 ● **Price interaction in state-level renewable energy credit trading programs**
The Electricity Journal 29 (4): 15-21
Binder, K.E., J.W. Mjelde, and R.T. Woodward

PREVIOUS EXPERIENCE

- 2012-2016 ● **Graduate Assistant**
Texas A&M University  College Station, TX
• Instructor and Teaching Assistant for undergraduate courses in Environmental Economics, Land Economics
- 2011 ● **Intern**
Oak Ridge National Laboratory  Oak Ridge, TN

ACTIVITIES AND AWARDS

- 2019 ● **President's Award for Excellence**
Federal Reserve Bank of Chicago
- 2018 ● **Making a Difference Award**
Federal Reserve Bank of Chicago
- 2017 ● **Outstanding PhD Dissertation**
Southern Agricultural Economics Association
- 2016 ● **Top PhD Dissertation**
Texas A&M Agricultural Economics Department
- 2015 ● **Harris Fellowship for Outstanding Undergraduate Teaching**
Texas A&M University
- 2008-2011 ● **Men's Basketball Team**
Centre College
- 2008-2011 ● **Academic Honor Roll**
Southern Collegiate Athletic Conference