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

Supervision 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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kylebinder.netlify.app

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 2022-12-08.

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. electrics 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