

# JOSIAH RINGELBERG

Mathematician focused on developing reproducible analytical models using innovative data science tools. Interested in obtaining a quantitative risk analyst position. Recently focused on incorporating automation, statistical rigor, and transparency to data analytics and corporate reporting. Check out my website to see a portion of my work! I am always eager to learn and enjoy passing my knowledge on to others. Please do not hesitate to reach out!

## EDUCATION

- 2016  
|  
2014

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**M.S., Agricultural/Applied Economics (Finance Focus)**  
Purdue University

West Lafayette, IN

- Thesis: [Mergers and Acquisitions in Food and Agribusiness – Returns, Drivers, & Long Run Performance](#)
- 2013  
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2011

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**B.S., Mathematics, Economics**  
Calvin College

Grand Rapids, MI

- Collegiate Track and Field

## SELECTED POSITIONS

- Present  
|  
2016

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**Business Intelligence Analyst II**  
GreenStone Farm Credit Services

Lansing MI

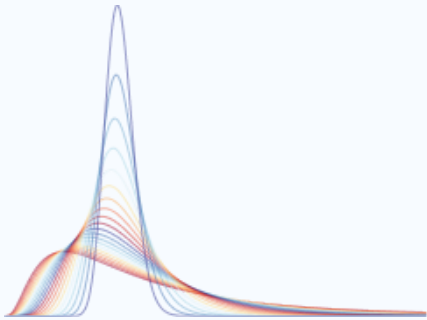
- Developed a Model Risk Management (MRM) Framework including guides and templates to satisfy regulatory requirements.
  - Implemented automation processes for multiple reporting needs. Resulting workflows have greatly reduced labor while increasing reproducibility.
  - Worked with collaborating corporate partners to compose guidance on financial institution stress test documentation, model development, and model validation.
  - Completed a thorough model validation of two credit scorecards. Organized datasets, documents, and supporting literature in a reproducible code repository.
  - Managed multiple teams of graduate students through semester long analytics projects focused on customer segmentation analysis, probability of default rating, and text analysis.
  - Developed an industry allowance for loss model. Acted as subject matter expert on vendor CECL model - its assumptions, framework, and design. Verified several model subcomponents in python.
  - Executed association stress test processes including producing and documenting input assumptions, recording management overlays, leading internal discussions and establishing expectations with the external model vendor.
  - Produced periodic reports for executive leadership, operational management, and association board.
- 2016  
|  
2014

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**Research Associate**  
Center for Food and Agricultural Business

West Lafayette, IN

- Conducted research on company growth strategies, dominant strategies in the agricultural producer industry, and the practices employed by firms to compensate their salesforce.
  - Used OLS regressions and event study methodology to analyze public merger and acquisition transaction success according to population segments and deal attributes. Identified key drivers.
  - Evaluated long run changes in operating performance of acquiring public North American firms.
  - Lead the development of a case study on a new marketing strategy employed by BASF to establish itself in identified key customer segments. Aided in presentation of results at the Midwest Food and Agribusiness Executive Seminar.



## CONTACT

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Lansing, MI

## SKILLS



## INTERESTS

- Financial Reporting
- Portfolio Modeling
- CECL Forecasting
- Stress Test Analysis
- Model Development
- Statistical Analysis
- Data visualization
- Report Automation

## MORE INFO

Please do not hesitate to reach out to me with questions or collaborative opportunities!