

# RYAN BIEBER

## DATA SCIENTIST

**P** 507-261-0014

**E** Ryan.bieber@protonmail.com

**A** 5691 Harvest moon  
Blvd NW, Rochester,  
MN, 55901

**W** Ryanbieber.com

### OBJECTIVE

My passion is using data to show how things work whether it be in the realm of predicting, forecasting, descriptive, or visualizations. Data should be used in a way that will show relationships previously unknown or prove relationships that were previously assumed. Avid R user along with docker/kubernetes to make web applications using back-end R environments such as shiny/plumber.

### EXPERIENCE

#### JUL 2019 - PRESENT

Data Scientist – Squad Lead (Services Sector, GTS/GBS) – IBM

- Migrated locally ran R scripts into a REST API utilizing docker/Kubernetes to allow for a “pain-free” deployment.
- Used machine learning and time-series techniques to forecast/predict almost 45% of IBM's yearly revenue.
- Working on replacing an old node.js website used for data gathering into a simpler version using python's Django and react/vue.js.

#### MAY 2017 – JUN 2019

Graduate Assistant – Researcher – University of North Dakota

- Helped professors with various research topics such as the effect colleges have on housing prices and various financial econometrics topics.
- Tutored and helped teach mainly econometrics to undergraduates and MBA's.
- Lots and lots of grading...

### COMMUNICATION

Due to the nature of my team at IBM I regularly present to CFO's all the way up to VP's in the services sector. This is so that they can get a better grasp on where they are heading based on the data. Clear and concise language is key when dealing with non-technical people. Utilizing visualizations to tell a story is the most effective, since most of the people I present to are non-technical in nature.

### EDUCATION

University of North Dakota  
Grand Forks, ND

- Undergraduate  
(Math/Economics)  
GPA 3.7
- Graduate (Economics)  
GPA 4.0

### LANGUAGES (HIGH TO LOW)

- R (SHINY/PLUMBER)
- PYTHON (DJANGO)
- SQL/SAS/MATLAB/STATA/JS

### PERSONAL PROJECTS

- Multiple shiny applications ranging from epidemiology models to weight loss.
- Done various other projects looking at predicting video game markets, weightlifting medal prediction and NLP on twitter data just to name a few.
- R package to simplify forecasting utilizing parallel processing and 1000's of models. Currently trying to get it on CRAN.

### HOBBIES

Strongman, programming, hiking, history (Japanese, Russian, and middle eastern), and baking sourdough bread.