# BRIAN KISSELL – CURRICULUM VITAE

QUANTITATIVE RESEARCHER | DATA SCIENTIST | EXPERIMENTAL PSYCHOLOGIST

Applied researcher highly skilled in the design, implementation, and analysis of large and complex datasets. Expertise in research design, interpretable statistical modeling, causal inference, and textual analysis.

## 🎓 EDUCATION

**2020 | 2017**

**PhD. Applied Experimental Psychology**
Central Michigan University
📍 Mount Pleasant, MI

**2017 | 2015**

**M.S. Applied Experimental Psychology**
Central Michigan University
📍 Mount Pleasant, MI

**2013 | 2011**

**B.S. Psychology**
University of Utah
📍 Salt Lake City, Utah

**2011 | 2008**

**A.S. Psychology**
Salt Lake Community College
📍 Salt Lake City, Utah

## 💻 RESEARCH EXPERIENCE

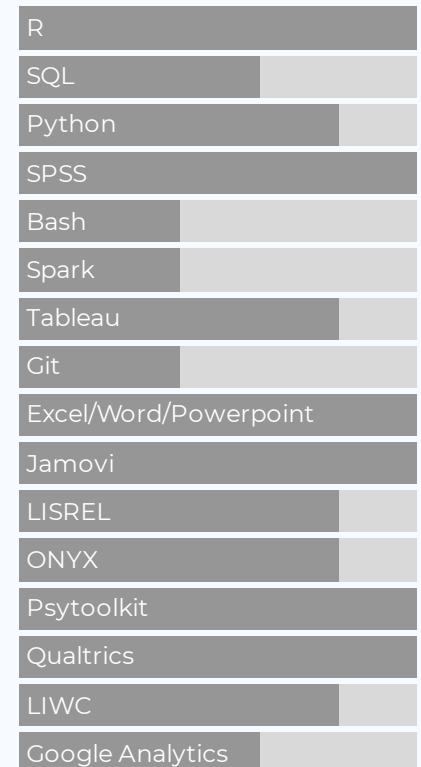**2020 | 2015**

**Experimental Doctoral Student**
Experimental Social Psychology Lab
📍 Central Michigan University

- Managed research teams on more than twenty experiments and surveys. Led teams through hypothesis generation, data collection, statistical modeling, and the reporting of results.
- Used R for each study to conduct power analyses, clean and prepare the datasets, run descriptive statistics and hypothesis tests (i.e., analysis of variance, linear and logistic regression, t-tests, chi-square, equivalence tests, psychometric tests, etc.), create data visualizations, and perform exploratory data analysis to further develop theories and address relevant questions.
- Conducted meta-analyses, evaluated causal diagrams with general linear models, ran path analyses, ran structural equation models, and constructed and validated numerous measures.

**2014 | 2012**

**Research Assistant**
Dynamical Systems Lab
📍 University of Utah

- Independently analyzed and explored numerous simulated datasets related to dynamical systems theory.

## CONTACT

✉ Brian.l.kissell@gmail.com
🔗 BrianKissell.com
in Brianlkissell
📞 (801) 413-4866

## LANGUAGES AND TECHNOLOGIES SKILLS

R
SQL
Python
SPSS
Bash
Spark
Tableau
Git
Excel/Word/Powerpoint
Jamovi
LISREL
ONYX
Psytoolkit
Qualtrics
LIWC
Google Analytics

2012
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2011

### Research Assistant
COPE Lab      📍 University of Utah

· Transcribed children interviews and worked with textual data.

## 💼 INDUSTRY EXPERIENCE

2020
|
2018

### Data Scientist
Freelance      📍 Mount Pleasant, Michigan

· Conducted numerous data science projects by utilizing the CRISP-DM method (i.e., business understanding, data understanding, data preparation,, modeling, evaluation, and deployment).
· Utilized Python, R, and SQL to scrape textual data and to create large datasets.
· Conducted data cleaning, textual analysis, data visualization, machine learning, classification modeling, natural language processing, and more.

2015
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2011

### Technician
ARUP Laboratories      📍 Salt Lake City, Utah

· Facilitated testing in a genetics laboratory, and gained experience working with data in a medical setting.

## 📈 UNPUBLISHED MANUSCRIPTS

2020

### A preregistered paradigmatic test of the ego depletion effect.
Collaboration with Bryan Gibson, Kathleen D. Vohs, Brandon J. Schmeichel, and others.

2019

### A meta-analytic evaluation of biased assimilation and polarization.
Collaboration with Bryan Gibson, Matt Prewett, and Matt M. Motyl.

2018

### The influence of overvaluation on narcissism.
Collaboration with Bryan Gibson, and Brad Bushman.

2018

### Profundity, truth, and BS: An Investigation of the BRS.
Collaboration with Bryan Gibson, Kyle C. Scherr, and Christopher C. Davoli.

2017

### The impact of physical position and prayer on cognitive style.
Collaboration with Bryan Gibson, Kyle C. Scherr, and Christopher C. Davoli.

2017

### Has psychology always been so ideologically biased? A historical approach.

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**Technical Skills: Statistics and Machine Learning**

Linear Regression
Logistic Regression
General Linear Model
Correlation
Analysis of Variance
Time Series Analysis
Meta-Analysis
Psychometrics
Factor Analysis
Structural Equation Modeling
Bayesian Analysis
Random Forest Models
Principle Component Analysis
K-Means Clustering
Hierarchical Clustering
K Nearest Neighbors
Naïve Bayes
Probability
Statistical Inference

## 📈 UNPUBLISHED STUDIES AND DATA

**2020** ● **Construction of the perceived threat to identity scale.**
Collaboration with Bryan Gibson, Kyle C. Scherr, Christopher C. Davoli, Sarah E. Domoff, Emily K. Bloesch.

**2020** ● **Experimental evaluation of the perceived threat to identity scale.**
Collaboration with Bryan Gibson, Kyle C. Scherr, Christopher C. Davoli, Sarah E. Domoff, Emily K. Bloesch.

**2020** ● **Classification model of political affiliation with Twitter data from all members of the 116th U.S. Congress.**

**2020** ● **Audio transcription, textual analysis, and statistical modeling of a religious podcast.**

**2020** ● **Religious decline on right-wing authoritarianism, ideology, and Trump tweets.**
Collaboration with Bryan Gibson.

**2020** ● **The induction of religious decline through video clips on authoritarianism, conservative ideology, and authoritarian behavior.**
Collaboration with Bryan Gibson.

**2020** ● **The influence of cellphones on serial associative cognition.**
Collaboration with Bryan Gibson, Christopher C. Davoli, and Emily K. Bloesch.

**2019** ● **Textual analysis of sixty years of speeches from leaders of a religious organization.**

**2019** ● **A meta-analytic evaluation of biased assimilation and polarization.**
Collaboration with Bryan Gibson, Matt Prewett, and Matt M. Motyl.

**2019** ● **The influence of cellphones on serial associative cognition. Pilot.**
Collaboration with Bryan Gibson, Christopher C. Davoli, and Emily K. Bloesch.

**2019** ● **The influence of mindfulness meditation on serial associative cognition.**
Collaboration with Bryan Gibson, Christopher C. Davoli, and Emily K. Bloesch.

**2019** ● **Teaching about the replication crisis: Pilot.**
Collaboration with Bryan Gibson, and Kyle C. Scherr.

**2018** ● **Religious decline and contemplation on authoritarianism, religious beliefs, evaluative bias, and political beliefs.**
Collaboration with Bryan Gibson.

**2018** ● **Religious decline and source of information on authoritarianism, religious belief, evaluative bias, and political beliefs.**
Collaboration with Bryan Gibson.

**2018** ● **Religious threat on political and religious beliefs.**
Collaboration with Bryan Gibson.

## Technical Skills: Research Methods

Hypothesis Generation
Experimental Design
Survey Design
A/B Testing
Sampling Methods
Qualitative Methods
Scale Construction
Measurement Validation
Data Collection
Web Scraping
Statistical Simulation
Power Analysis
Causal inference
Causal Diagrams

| 2018 | ● | **Religious threat on evaluative bias and religiosity.** |
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| | | Collaboration with Bryan Gibson. |
| 2018 | ● | **The influence of religious threat on a Christianity/Islam implicit association task.** |
| | | Collaboration with Bryan Gibson. |
| 2018 | ● | **The influence of religious threat on a Christianity/Islam implicit association task and the religious and political beliefs of participants.** |
| | | Collaboration with Bryan Gibson. |
| 2017 | ● | **A preregistered paradigmatic test of the ego depletion effect.** |
| | | Collaboration with Bryan Gibson, Kathleen D. Vohs, Brandon J. Schmeichel, and others. |
| 2017 | ● | **The effect of experimenter presence on ego-depletion.** |
| | | Collaboration with Bryan Gibson. |
| 2017 | ● | **The impact of physical position and prayer on cognitive style.** |
| | | Collaboration with Bryan Gibson, Kyle C. Scherr, and Christopher C. Davoli. |
| 2017 | ● | **Profundity, truth, and BS: An Investigation of the BRS.** |
| | | Collaboration with Bryan Gibson, Kyle C. Scherr, and Christopher C. Davoli. |
| 2017 | ● | **Religious threat and writing about religious experience on the cognitive reflection test, need for cognition, and faith in intuition.** |
| | | Collaboration with Bryan Gibson. |
| 2017 | ● | **Religious threat and writing about religious experience on pseudo-profound beliefs (BRS).** |
| | | Collaboration with Bryan Gibson. |
| 2016 | ● | **The influence of overvaluation on narcissism: Study 1.** |
| | | Collaboration with Bryan Gibson, and Brad Bushman. |
| 2016 | ● | **The influence of overvaluation on narcissism:Study 2.** |
| | | Collaboration with Bryan Gibson, and Brad Bushman. |

## 📓 CONFERENCES, POSTERS, AND PRESENTATIONS

| 2019 | ● | **Religious decline, political ideology, and authoritarianism.** |
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| | | Poster Session – Annual Student Research and Creative Endeavors Exhibition. Mount Pleasant, MI: Central Michigan University. |
| 2019 | ● | **Facebook and fake news: How misinformation is spread and why we fall for it.** |
| | | Panel Discussion - Mount Pleasant, MI: Central Michigan University. |
| 2019 | ● | **A meta-analytic evaluation of biased assimilation and polarization.** |
| | | Experimental Seminar - Mount Pleasant, MI: Central Michigan University. |

### Technical Skills: Reporting

Data Visualization
RMarkdown
Shiny Apps
Dashboard Construction
Technical Writing

| 2018 | ● | **Has psychology always been so ideologically biased? A historical argument for ideological diversity.** |
| | | Poster Session - SPSP Annual Convention. Atlanta, GA: Society for Personality and Social Psychology. |

| 2018 | ● | **Religious decline, conservative ideology, and authoritarianism.** |
| | | Experimental Seminar - Mount Pleasant, MI: Central Michigan University. |

| 2017 | ● | **The influence of physical position and prayer on cognitive style.** |
| | | Poster Session - The Cognition of Belief. Washington, D.C.: John Templeton Foundation. |

| 2017 | ● | **Replication of ego-depletion and the influence of experimenter presence.** |
| | | Experimental Seminar - Mount Pleasant, MI: Central Michigan University. |

| 2017 | ● | **The impact of physical position and prayer on cognitive style.** |
| | | Experimental Seminar - Mount Pleasant, MI: Central Michigan University. |

| 2016 | ● | **Profundity, truth, and BS: An Investigation of the BRS.** |
| | | Experimental Seminar - Mount Pleasant, MI: Central Michigan University. |

## TEACHING EXPERIENCE

Current | 2020 — **Research Methods | Course Instructor**
Central Michigan University Psychology Department

Current | 2019 — **Research Methods | Course Instructor**
Central Michigan University Psychology Department

Current | 2019 — **Stress | Course Instructor**
Central Michigan University Psychology Department

Current | 2018 — **Social Psychology | Course Instructor**
Central Michigan University Psychology Department

Current | 2018 — **Social Psychology | Course Instructor**
Central Michigan University Psychology Department

Current | 2017 — **Social Psychology | Course Instructor**
Central Michigan University Psychology Department

Current | 2017 — **Statistics in Psychology | Teaching Assistant**
Central Michigan University Psychology Department

Current | 2016 — **Introduction to Psychology | Teaching Assistant**
Central Michigan University Psychology Department

### Technical Skills: Data Processing

Data Manipulation
Data Cleaning
Data Collection
Exploratory Data Analysis

Current
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2016

**Developmental Psychology | Teaching Assistant**
Central Michigan University Psychology Department

Current
|
2015

**Developmental Psychology | Teaching Assistant**
Central Michigan University Psychology Department

## MENTEES/RESEARCH ASSISTANT

- Kourtney Nardone
- Meghan Hayden
- Elliot Leddy
- Erica Jaime
- Sharon Werner
- Adam Bartley
- Jack Barker
- Abby Harmon
- Carter Bonifas
- Gabrielle Harter
- Lou Ivey

## PROFESSIONAL AFFILIATIONS

- Association for Psychological Science
- Society for Personality and Social Psychology
- Society for the Improvement of Psychological Science

## ADVANCED STATISTICAL COURSEWORK

- PSY 511 – Statistics in Psychology
- PSY 611 – Research Design (Analysis of Variance)
- PSY 612 – Applied Multiple Regression/Correlation
- PSY 613 – Multivariate Statistical Methods
  Correlational Methods
- PSY 614 – Structural Equation Modeling
- PSY 737 – Seminar in I/O Psychology (Meta–Analysis)

### Natural Language Processing

Text Mining
Sentiment Analysis
Regular Expressions
Topic Modeling
Named Entity Recognition
Classification
Recommendation systems
Spoken language processing

## 🖳 DATACAMP CERTIFICATIONS

- Data Scientist with R
- Statistician with R
- Statistical Inference with R
- Statistics Fundamentals with R
- Probability and Distributions with R
- Data Analyst with R
- Machine Learning Scientist with R
- Machine Learning Fundamentals in R
- Importing and Cleaning Data with R
- Tidyverse Fundamentals with R
- Text Mining with R
- Python Programmer
- Python Programming
- Marketing Analytics with Python
- Data Analyst with SQL Server
- SQL Server Fundamentals
- You can find a links to every certificate and course that I have taken with DataCamp at datacamp.com/profile/brianlkissell

## 🖳 REFERENCES

**Bryan Gibson, PhD**
2020 | 2015

Academic Advisor 📍 Central Michigan University, Mount Pleasant, MI

· Department of Psychology
· (989)774-4404
· gibso1b@cmich.edu

**Kyle Scherr, PhD**
2020 | 2015

Mentor 📍 Central Michigan University, Mount Pleasant, MI

· Department of Psychology
· (989)774-3001
· scher1kc@cmich.edu

**Christopher Davoli, PhD**
2020 | 2015

Mentor 📍 Central Michigan University, Mount Pleasant, MI

· Department of Psychology
· (989)774-3001
· davol1cc@cmich.edu

### Social Psychologist

Expertise in research on attitude formation, persuasion, decision-making, and social cognition. Highly experienced in extracting insights from complex and dynamic datasets, particularly through the use causal and statistical inference.