

# Richard Klein, PhD

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## SUMMARY

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Data scientist and researcher with a PhD in Social Psychology, 15+ peer-reviewed publications, and over 10 years of experience conducting qualitative and quantitative research projects. Skilled in the regulatory process of New Drug Applications, analysis of clinical drug trials, data pipelines, experimental methods, prediction, process improvement, and project management. Adept at designing optimal research strategies to answer complex questions about human behavior and communicating impactful insights and recommendations to diverse audiences. Seeking to leverage research expertise and analytical skills to deliver robust insights.

## TECHNICAL SKILLS

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**Experimental Design**  
**Statistical Data**  
**Analysis**

**Data Visualization**  
**SQL**

**R**  
**Qualtrics**

**RMarkdown**  
**Machine Learning**

## EXPERIENCE

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**2023 – Present**

**Food and Drug Administration**

**Silver Spring, MD**

*Clinical Data Scientist – Office of New Drugs*

- Develop Safety Data Review Plans for New Drug Applications (NDA/BLA) in coordination with clinical, statistical, and other review teams to ensure comprehensive understanding of all potential safety issues associated with a drug/biologic prior to drug approval
- Implement Safety Data Quality Assessments and Safety Data Analysis on clinical trial datasets submitted in support of New Drug Applications to evaluate data quality and identify safety signals
- Quantify, interpret, compile, and distribute information about discovered safety signals through formal (reports, presentations) and informal (meetings, emails) means to decision makers at various levels
- Provide continuous support to clinical, statistical, and other review teams throughout the review process in the form of ad-hoc in-depth safety analyses

**2019 – 2023**

**Tilburg University**

**Tilburg, The Netherlands**

*Researcher - Methodology and Statistics*

- Led a team of up to 22 members in identifying flaws in research processes and methods to ensure the accuracy and value of outputs and conclusions
- Prompted shifts in marketing methodology by identifying areas of concern within behavioral priming and applied anchoring and adjustment strategies
- Assessed privacy risks in 2K+ research datasets through analysis and evaluation to determine that 5-10% contained addressable privacy concerns
- Delivered essential content matter to secure a €50,000 grant to develop and implement an R package and web application to automatically detect and prevent privacy risks
- Created analysis protocols for multi-verse analysis of 100+ projects utilizing 1,000+ simultaneous analysis pipelines to create a more robust understanding of the data while reducing bias

**2018 – 2019**

**Université Grenoble Alpes**

**Grenoble, France**

*Researcher – Data Analytics in Social Cognition*

- Conducted research on romantic couples to discover reciprocal trends in behavior predicting relationship satisfaction by employing surveys and physiological sensors paired with linear mixed effects models

- Verified research methods and data throughout the lab group to bolster the value of published insights and outputs
- Provided instruction to senior-level bachelor students in Introduction to Research and Data Analysis and master-level students on The Psychology of Performance

**2013 – 2017**

**Project Implicit, [implicit.harvard.edu](http://implicit.harvard.edu)**

**Remote**

*Research Coordinator – Web Operations*

- Strengthened overall performance by monitoring data quality, testing research tools, and debugging code across a site generating 90k visitors monthly
- Increased interactive user experience metrics and reduced attrition by up to 30% through innovative site changes and process improvements
- Collaborated with developers to implement functional site changes based on user feedback and content performance to boost validity of study results
- Liaised between development team, project managers, and leadership to communicate needs, capabilities, and feasibility of proposed projects or site changes resulting in greater clarity and understanding across groups

**2013 – 2017**

**University of Florida**

**Gainesville, FL**

*Instructor/Graduate Teaching Assistant in Psychology*

- Maintained a 4.42/5 evaluation score by delivering engaging lectures and thoughtful class discussions within the field of Psychology
- Oversaw multiple large-scale projects by coordinating 270+ researchers across 33 countries
- Developed an innovative multi-lab research strategy testing the effectiveness of insights across international contexts by assessing 40+ foundational psychological theories
- Designed, executed, and analyzed over 60 psychological experiments driving data from over 23k participants
- Evaluated and communicated project results through 15+ publications and dozens of public presentations and workshops

## EDUCATION

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**University of Florida**

**Gainesville, FL**

*Doctor of Philosophy in Social Psychology (2017)*

**University of Florida**

**Gainesville, FL**

*Master of Science in Social Psychology (2014)*

**Pennsylvania State University**

**University Park, PA**

*Bachelor of Science in Psychology/Bachelor of Science in Finance (2011)*