Ryan C. Phillips

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https://rcphillips.github.io/

Experience

Data Scientist at Remind, San Francisco, CA   2016

- Identified social networks, user characteristics from data using PostgresSQL/Redshift
- Extracted insights from data describing over 10 million users and 30 million classes
- Revised database documentation to enhance interpretability across the company
- Developed visualizations of company projects using Chartio, Mode, and Python
- Communicated across multiple teams/departments to ensure results were useful and impactful

Fellow at Insight Data Science, Palo Alto, CA   2016

Project: Identifying Types of Punches Using Motion Data
- Compared multiple ML models using sci-kit learn, classifying accelerometer/gyroscope data
- Designed pipeline using PostgreSQL to incorporate new data sources
- Amplified classification accuracy from 80% to 97% by suggesting changes to user interface, data collection processes, and model

PhD Researcher at UC Davis Neuroscience, Davis, CA   2011 - 2018

Project: Disrupting Human Attention with Self-Centered Thought
- Designed and implemented novel psychological experiment using R, Matlab, Python
- Spearheaded MRI project and executed from beginning to end, including data collection, cleaning, statistical analysis, pipeline development, visualization and publication (in submission)
- Designed, validated, and collected survey of self-centered thoughts in order to segment participant population and derive insights into the nature of attention disruption

Data Science Fellow at UC Davis Data Science Initiative, Davis, CA   2016 – 2018

- Founding member of Data Science Reading Group, which comparatively assessed and implemented in Python the entirety of *The Elements of Statistical Learning* by Hastie, Tibshirani, & Friedman
- Advised graduates and undergraduates on SQL queries to improve processing speed and accuracy

Data Visualization Instructor at UC Davis   2018

- Delivered a series of lectures to undergraduates on the basics of data visualization, interpretation and statistics

Skills

Languages	Python, SQL (especially Postgres), R, Matlab
Tools	scikit-learn, Pandas, SciPy, NumPy, Matplotlib & Seaborn, git, Tableau
Techniques	user/subject analytics, linear modeling, exploratory data analysis, A/B testing, experiment design, scientific literature review

Education

PhD, Neuroscience. UC Davis, Davis, CA, 2018

BA, Cognitive Science. Occidental College, Los Angeles, CA, *Magna Cum Laude*, 2010