

# Eric KRAMER

## Contact

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## Technologies

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### Data Manipulation

R::tidyverse ★★★★★  
Python ★★★★★  
SQL ★★★

### Data Visualization

R::ggplot2 ★★★★★  
R::Shiny ★★★★★  
d3.js ★★

### Machine Learning

keras ★★★★★  
R::caret ★★★★★  
Scikit-learn ★★

## Education

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March 2019  
expected | **Doctor of Medicine**  
University of California, San Diego - School of Medicine  
Academic Honors: Chateaubriand Fellowship, Hertz Fellowship Semi-Finalist

June 2009 | **Bachelor's of Art in Mathematics**  
Northwestern University, Evanston IL  
Thesis: "A statistical interpretation of metabolic networks"  
Academic Honors: Graduated Summa Cum Laude, Phi Beta Kappa

## Work Experience

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Aug 2015 - Mar 2017 | **Senior Data Scientist**  
Dataiku, Paris, France  
Lead the *Medatalab* project, which used at-home, wearable EEG machines to monitor children with refractory epilepsy. Managed the development of deep neural network tools for the analysis of EEGs. Won two awards for digital innovation in France.

Oct 2014 - July 2015 | **Research Fellow**  
The Pasteur Institute, Paris, France  
Adviser: Lluís Quintana-Murci  
Developed models of epigenetic differences across age, tissue and populations using linear mixed effects models. Work funded by the French government via a Chateaubriand fellowship.

June 2013 - July 2015 | **Graduate Student**  
The Scripps Research Institute, La Jolla, CA  
Adviser: Ali Torkamani  
Applied machine learning to the prediction of drug response using genomic data. Placed in top-5 in DREAM challenge for response to TNF- $\alpha$  inhibitors. Published cardiac biomarker signature.

## Demos

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**Sentiment Analysis**  
[live](#), [code](#)



**Image Recognition**  
[live](#), [code](#)



**Financial Modeling**  
[live](#), [code](#)

## Miscellaneous

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Citizenship: USA  
Languages: English (native; C2), French (conversant; B2)  
Interests: Politics, Anthropology, Meditation