Hello Dr. Kim,

I'm a PhD candidate studying cognitive neuroscience at the University of Oregon. I would like to transition into industry work after graduation, so I'm completing a data science specialization. As part of our capstone project, we’re asked to work with an organization to develop a data product. The project could be to create a data dashboard, shiny app, R package, predictive model, etc. Ideally, it would be an opportunity to help your organization with a data problem, while showcasing my skills and challenging me to learn new ones. You can find an overview of some of my work on GitHub (<https://github.com/lfrank14>).

I'm specifically looking to get experience in real estate and tech industries. I'm interested in how data science is used to track how people interact with online applications, like Airbnb. I would love to learn about the type of work you do and potentially assist with a project. Please let me know if you are interested in collaborating. I hope to hear from you! Kindest regards, Lea Frank PhD Candidate in Cognitive Neuroscience University of Oregon

Project Ideas:

* Blog post testing different machine learning algorithms for decoding category information
* Blog post looking at the robustness of different classifiers to uneven class sizes
  + SVM wasn’t robust, biased towards guessing the more frequent category (when we used it)
  + But when Ben Smith (postdoc in Elliot’s lab) used a different package (Nipy? Or Numpy?) and SVM in that package was robust against it
* R package for predictive modeling of fMRI data
* Data dashboard or shiny app for network analysis of functional connectivity data
* Something with text processing…