Stanford Data Scientist Position in Network Neuroscience and Machine Learning

Etkinlab at Stanford University has open data scientist positions for two ongoing projects involving functional magnetic resonance imaging (fMRI) and electroencephalography (EEG) data analyses, respectively. Both projects seek to understand functional brain connectivity in clinical psychiatric populations, with a particular emphasis in combining concepts from network science and statistical models for spatiotemporal data with machine learning to find predictive network biomarkers of cognitive deficits and treatment outcomes.

The ideal candidate for this position will demonstrate an excellent understanding of statistical machine learning, especially multivariate statistics and time-series analysis, collaborate with postdoctoral scholars and graduate students in the lab, write high quality and maintainable data analysis pipelines, and assist in manuscript/grant preparation. This is an excellent opportunity for self-motivated individuals who seek to gain research experience and co-author scientific publications. Salary will be commensurate with experience.

Minimum requirements:
1) Bachelors in Electrical or Biomedical Engineering, Computer Science, Statistics, Psychology, Neuroscience or related fields. Advanced graduate degrees in any of these areas is welcome.
2) Experience in software development and data analysis using MATLAB, python, R and/or Julia.
3) Previous data analysis experience in at least one of the following areas:
   a) Multivariate time-series analysis either in neuroimaging or in other applications
   b) Machine learning: regression, classification, feature selection, clustering and dimensionality reduction.
   c) Alternatively, provide evidence that you can quickly learn and apply relevant statistical methods rigorously.

Etkinlab is a diverse team of neuroscientists, psychologists, psychiatrists and engineers who seek to understand the neural basis of emotional disorders and their treatment, and to leverage this knowledge to develop novel treatment interventions. Our work is organized around the study of the neuroscience of emotion and cognitive regulation, as well as neural circuit function, in healthy subjects and individuals with a range of psychiatric disorders including depression, anxiety and post-traumatic stress. More information about our ongoing studies can be found at: http://etkinlab.stanford.edu.

To apply, please send your resume/CV, a cover letter describing your interest in this position, software/code example with a brief statement describing its function and your contribution, and 2 letters of recommendation.

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