Adrian Pardo

Personal Information

Cerritos, CA

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linkedin.com/in/adrian-pardo/

GitHub github.com/adrian-pardo

Data Science Portfolio:
adrian-pardo.github.io

Skills

- Proficiency in **Python**
  - Utilization of ipython, jupyter notebooks
  - Statistical analysis with *Numpy*, *Scipy*
  - Data manipulation with *Pandas*, *Regex*
  - Visualization with *Matplotlib*, *Seaborn*
  - **Machine Learning** (Supervised & Unsupervised) with *Scikit-learn*, *Pytorch*
  - Basic knowledge of **Natural Language Processing** with *Scikit-learn*, *Natural Language Toolkit (NLTK)*, and *gensim*
- Working knowledge of:
  - Database query with **SQL**
  - Experiment set-up with **MATLAB**
  - Statistical analysis with **SAS** & **R**
  - **Bash/Unix** and **Git** integration
- Proficient utilization of **REDCAP** database
- Basic knowledge of **Blockchain** development
- Proficient with **Mac** & **Windows** OS
- "Protecting Human Research Participants" certified by NIH

Languages

- Spanish—Native Speaker

Education

B.A. NEUROSCIENCE
University of California, Riverside SEP 2013 - JUN 2016

- **Relevant Coursework**:
  Statistical Computing (SAS & R), Biostatistics (Statistical Modeling), Computational Neuroscience (artificial neural networks), Neuroscience of Learning & Memory (biological & artificial neural networks)

Additional Coursework: Linear Algebra (MIT OpenCourseWare), Practical Deep Learning For Coders (fast.ai), Convolutional Neural Networks for Visual Recognition (CS231n @ Stanford University)

Research Experience

Research Coordinator OCT 2016 - JAN 2018
PIH Health Hospital, Whittier, CA

- Managed Clinical Trial Phases II-III as part of a nationwide team comprised of physicians and research coordinators to collect data regarding the viability of shared-decision making as a teaching tool for underrepresented groups afflicted with osteoarthritis.
- Utilized algorithmic tool (e.g. Hidden Markov Modeling) to generate personalized health information for each patient.
- Facilitated data collection by communicating with patients in either English or Spanish, administering paperwork, clarifying potential treatment options, gathering feedback, and using REDCAP database.
- Served as liaison between research site, clinical trial network staff, collaborators and investigators.

Research Assistant SEP 2015 - JUN 2016
University of California, Riverside: Department of Psychology

- Researched iconic memory in humans by working with over 100 study participants over a 10-month period.
- Operated MATALAB software to conduct computational neuroscience memory tests, electrophysiological (EEG) recordings, and eye-tracking experiments to collect quantitative information regarding human memory.

Research Assistant MAR 2014 - JUN 2015
University of California, Riverside: Department of Botany & Plant Sciences

- Carried out scientific method and performed statistical significance testing (e.g. ANOVA) to determine efficiency of biofuels from transgenic tobacco plants.
- Collected quantitative and qualitative data by completing over twenty wet lab procedures to prepare glycosyl composition of whole cell wall fraction, highly purified tobacco cell walls, and alcohol-insoluble residues.

Publications

- Sasaninia, B., Ghobadi, R., Cryder, Z., Wube, S., Juloya, G., Weston, B., Seo, S., Lee, J., **Pardo, A.**, Orozco-Cardenas, M., and Nothnagel, E.A. 2015. Organ localization of a methylated cell wall sugar in transgenic tobacco expressing a moss methyltransferase gene. 9th Annual Undergraduate Research, Scholarship, and Creative Activity Symposium Program Book, p. 14, University of California, Riverside. April 29, 2015.
  - Type: Conference Papers and Presentations
  - Status: Published
  - Year Published: 2015
- Ghobadi, R., Sasaninia, B., Cryder, Z., Wube, S., Juloya, G., Weston, B., Seo, S., Lee, J., **Pardo, A.**, Orozco-Cardenas, M., and Nothnagel, E.A. 2015. Expression of a moss methyltransferase that produces 3-O-methyl-galactosyl residues in transgenic tobacco. 9th Annual Undergraduate Research, Scholarship, and Creative Activity Symposium Program Book, p. 5, University of California, Riverside. April 28, 2015.
  - Type: Conference Papers and Presentations
  - Status: Published
  - Year Published: 2015