

Zubair Marediya

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Education

University of California, Berkeley

Fall 2012 – Present

Bachelor of Arts, Statistics

Bachelor of Arts, Computer Science

Expected Graduation Date: Summer 2017

Relevant Coursework

Data Mining & Analytics	Intro to Databases	Artificial Intelligence	Concepts of Probability
Intro to Machine Learning	Reproducible & Collaborative Data Science	Data Structures/Algorithms	Concepts of Statistics
Linear Algebra I & II	Sampling Surveys	Concepts in Computing with Data	Modern Statistical Prediction & Machine Learning

Projects

Text Classification: <https://github.com/Zubair-Marediya/TextClassification>

- Classified excerpts with Random Forests and SVM as Child, History, Religion, or Science.

Diabetes: <https://github.com/Zubair-Marediya/Diabetes>

- Detected the onset of diabetes through ANOVA, logistic regression, and many other methods.

US Election Results: <https://github.com/Zubair-Marediya/USElectionResults>

- Applied recursive partitioning and nearest neighbors to 2004 results to predict 2012 results.

Household Expenditures: <https://github.com/Zubair-Marediya/HouseholdExpenditures>

- Analyzed household expenses to see if higher education truly earns higher income.

Counting Crowds: <https://github.com/Zubair-Marediya/CountingCrowds>

- Used stratified sampling on aerial photography to estimate the size of a protest.

Experience

Data Science Intern

Summer 2016

Riviera Partners

Supervisor: Tammy Wang

- Worked on sentiment analysis. Built models to predict the popularity of job candidates.

Business Intelligence Intern

Summer 2015

MobiTV

Supervisor: Bob Henrikson

- Verified reports against Google BQ & MySQL databases. Wrote scripts to automate data transfer.

Head TA (CS 61C – Machine Structures)

Summer 2017

UC Berkeley, Department of EECS

Supervisor: Dan Garcia

- Taught discussions and lab. Held office hours. Ensured that a course of 230 students ran smooth.

Research Apprentice

Fall 2014 – Spring 2015

UC Berkeley, Department of Sociology

Supervisor: Charlie Eaton

- Analyzed bond data extracted from the Bloomberg database. Visit <http://debtandsociety.org>.

Technical Skills

Languages, Software, & Systems

- Most experience with:* R, Python, Java, Matlab, C, MySQL
- Familiar with:* UNIX, Git, Tableau, Google BigQuery, Node.js, Bootstrap

Frameworks & Libraries (many not included)

- R:* MASS, class, boot, leaps, glmnet, pls, randomForest, gbm, e1071, ROCR, bigrf, ggplot2, rpart
- Python:* scikit-learn, pandas, NumPy, SciPy, matplotlib, seaborn