DAN TADMOR

Data Scientist
Mathematician

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PROJECTS

NBA Player Growth
Predicted future NBA player performance in 8 key advanced analytic metrics through scraping player tracking data, creating weighted features, and applying regularized regression at an improvement of up to 26% over baseline predictors.

West Nile Virus Locations
Modeled where to find West Nile virus with 77% sensitivity by retrieving appropriate datasets, employing research tested methods to create predictive features, oversampling the minority class, and using a shallow random forest

Reddit Classification
Determined the subreddit origin of Reddit posts with 98% accuracy using stemmers and TFIDF vectorizers on posts and then applying logistic regression in order to understand language differences among different communities

ABOUT ME

Driven data scientist skilled at applying machine learning methods, communicating data science insights, breaking down complex concepts into understandable pieces, and working in teams.

DATA SCIENCE EXPERIENCE

DATA SCIENTIST
BJs Wholesale Club | Mar '19 - Present
- Analyze AB test results of customer engagement on AWS EMR clusters with PySpark
- Communicate AB test results with relevant historical trends and business recommendations to a VP and her team on a weekly basis
- Research and develop code to improve measurement methodology and more accurately capture customer spending through noisy data
- Develop code in an agile environment to QC model performance

DATA SCIENCE INTERN
iRobot | Nov '18 - Mar '19
- Predicted customer satisfaction using clustering and classification models on user behavior to help automate customer communication
- Collaborated with members of marketing, engineering, and data teams to understand how to best define and solve problems with data

DATA SCIENCE IMMERSIVE
General Assembly | Jul '18 - Oct '18
- Learned EDA and machine learning methods in Python in a 480-hour intensive course

OTHER WORK EXPERIENCE

6th GRADE MATH AND SCIENCE TEACHER
McAuliffe Charter School | Aug '12 - Aug '18
- On the academic leadership team, improved school wide academic performance in coordination with school leaders while balancing the needs of teachers
- Co-created and installed a school-wide behavior management framework on the culture leadership team, improving teacher consistency and effectiveness

EDUCATION

M.S. COMPUTER SCIENCE Georgia Institute of Technology, GPA 4.0 | Dec '22
- Reinforcement Learning, AI for Robotics, High Performance Computer Architecture

M.A.T. ELEMENTARY EDUCATION Northeastern University | Aug '11

B.S. MATHEMATICS University of Illinois at Urbana-Champaign | May '09

SKILLS

CODING LANGUAGES & LIBRARIES
- Python (Pandas, PySpark, Scikit-learn, Plotly, and Keras, SQL, C++

MACHINE LEARNING TECHNIQUES
- Linear Models, Regularization, CART, SVMs, Neural Networks, Clustering, and PCA