Deeksha Chugh

Masters in Analytics
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SAS Certified

Education

Masters in Analytics: USF, 2013- 2014 Score: 3.82/4

- Coursework: Regression Analysis, Multivariate Statistics, Time Series Analysis, Machine Learning, Text Analysis, Information Visualization
- 8th rank out of 80 teams in Kaggle's 24-hour hackathon http://www.kaggle.com/users/117814/deekshachugh

Masters in Mathematics and Computing: IIT, India, 2006-2008 Score: 8.25/10

Bachelors in Mathematics: Delhi University, India, 2003-2006 Score: 8.10/10

Course Projects

- Built my own Naive Bayes classifier and predicted sentiment of the movie reviews.
- Used the gridded search cross validation with a pipeline with tfidf vectorizer to find the optimal parameter combination. Built a multinomial bayes classifier to predict different document categories.
- Created a classifier to recognize handwritten digits using support vector machines
- Build a random forest model with an accuracy of 98.1% to predict the chances of acceptance of a loan application for a competition in USF.

Work Experience

The Weather Channel, San Francisco, CA Oct 2013 - Mar 2013

Data Science Intern

- Extracted the electricity day-ahead and real-time prices from MISO using unix script. Designed a new scoring metric for an electricity forecasting model based on the difference in pricing by clustering on seasons and day of the hour prices.
- Extracted the weather data from Wunderground and DataCloud API using Python. Predicted sales using panel linear regression model and Random Forest. Performed clustering to group product categories and cities. Synthesized various weather variables like temperature, dew point temperature etc along with the lagged sales to increase the accuracy of the model.

Evalueserve, India May 2010 – Jan 2013

Senior Business Analyst (Awarded Outstanding performer of the year)

- Handled multiple projects and performed customer analytics for a logistics client and drew accurate inferences in accordance with the objectives of the analysis.
- Consulted clients using data visualization and analysis to support data-driven decision making by writing complex SQL queries in Teradata and Oracle.

Lecturer, Quantitative Techniques, NIMS, India Sep 2009 - Apr 2010

Software Engineer, iGATE Technologies, India Sep 2008 - Sep 2009

Technical Skills

Programming Languages: Python, R, SAS, SQL, Visual Basic for Applications.
Databases and Techniques: Machine Learning, Teradata, Oracle, Microsoft Excel, Microsoft Access