Aadish Chopra

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SUMMARY

Experienced in statistical analysis, predictive modelling, text mining and proficiency in Hadoop, hive, pig and spark and in developing visualization reports using Tableau, RShiny and ggplot https://rpubs.com/aadishchopra

EDUCATION

Master of Science in Management Information Systems   Dec 2017

University of Illinois at Chicago – Liautaud Graduate School of Business

Bachelor of Technology in Electronics and Communication   May 2015

Rajasthan Technical University

INTERNSHIP

Data Analyst - Nielsen Catalina Solutions - Using neural nets to determine the factors in advertisement sector to drive growth. Home scan data from Nielsen matched with frequent shopper data from Catalina   Oct - Dec 2017

Research Intern - **Loyola Medical Center**   June-Aug 2017

TECHNICAL SKILLS

Languages: R, SQL, Java, C++, JavaScript, Python, Bash

Tools: Excel, SQL Server, PostgreSQL, Hadoop, Hive, Tableau, Power BI, Berkeley Madonna, Matlab

Machine Learning: Random Forest, XGBoost, KNN, Arima, HMM, Latent Dirichlet Allocation, Bayesian Networks, Meta-Analysis, TensorFlow, mxnet, keras, torch

EXPERIENCE

Teaching Assistant -University of Illinois, Chicago   Aug 2016-Dec 2016

- Instruct students to use Excel for Inventory Management and Forecasting, create Macros and Pivot table

Associate Systems Engineer - Tata Consultancy Services Ltd.   Dec 2015-June2016

- Analyzed data using SAP HANA by building calculated view, attribute view constraining the query's response time and migrated data from ORACLE to SAP HANA

Data Analyst-ETSC Computers Pvt. Ltd.   May2015-Dec2015

- Analyzed the data using time series analysis for forecasting company's growth. Analyzed the trends in mass surveys

PROJECTS   To see all projects please visit my website at www.learndatascience.yolasite.com or go to https://www.github.com/aadishchopra

TEXT MINING(TWEETS): https://www.github.com/aadishchopra/textMining

- Web scraper built in R(Selenium) to extract information like tweets, reposts, followers, following, likes etc.
- Cleaned tweets using tm package of R and using regex expressions
- Classified tweets using KNN and Latent Dirichlet Allocation in Alerts, General Information, Promotion etc.

HADOOP (MWRD, CHICAGO): https://github.com/aadishchopra/exploratory-analysis-for-MWRD

- Developed a 2 node cluster for Metropolitan Water Reclamation District, Chicago, IL
- Datasets transferred from SQL server and correlation among given KPI's was calculated

HEPATITIS D PHARMACOKINETICS (LOYOLA): http://learndatascience.yolasite.com/

- Studied dynamics of hepatitis D virus and the drug concentration using Runga-Kutta method of ODE
- Developed a linear regression model (segmented) to predict the dosage level and used ANOVA to differentiate doses

AMERICAN HEALTH ASSOCIATION: https://github.com/aadishchopra/americanHealthInformationExchange

- Built statistical model to predict level of health information exchange among hospitals across United States
- Statistical techniques such as PCA, Discriminant analysis used to decompose the survey and reduce variables

WEB SCRAPING, DATA WRANGLING & DATA MANIPULATION (PERSADO):

- Automated extraction of data using web scraping techniques. Data extracted from yahoo finance
- Automating the process of creating excel sheets using R. Attached Gmail using API and analyzed different folders
- Word2vec, tf-idf, decision trees used to analyze the data. https://github.com/aadishchopra/data_challengePersado

PARTICIPATION

- **Kaggle –** Developed statistical models using R on Kaggle and contributed to code correction and debugging
- **Github –** Various projects in text mining, predictive modelling, data wrangling and exploratory analysis.
- **Rpubs, Chicago R User Group, Slideshare, Driven data -** https://slideshare.net/aadishchopra