Aadish Chopra

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SUMMARY

Experience of 3 years in data analytics, statistical analysis, predictive modelling, and proficiency in Hadoop, Azure and SQL and in developing visualization reports using Tableau, RShiny and PowerBI 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 Comm. - Rajasthan Technical University   May 2015

TECHNICAL SKILLS

Languages: R, SQL, Java, C++, JavaScript, Python, Bash, Linux Shell Scripting, VBA, Windows Script, PowerShell
Tools: Excel, SQL Server, PostgreSQL, Hadoop, Hive, Tableau, Power BI, Matlab, AWS (S3, EC2), Azure
Machine Learning: Random Forest, XGBoost, SVM, KNN, Regression, ARIMA, HMM, Latent Dirichlet Allocation, Bayesian Networks, Meta-Analysis, TensorFlow, mxnet, keras, torch

EXPERIENCE

Data Analytics Consultant: Risk Engineering @ZURICH INSURANCE   Nov2018-Present
- Creation of dashboards like Utilization Management, Demand Modelling, MyZurichPreviews, PTO's using SSRS, FlexDashboard, SQL for the risk engineering team
- Creation of quick builders which is an excel based VBA tool for end users. Quick builders serve as quick report builders and facilitate charts and dashboarding for the senior leadership team. Used PowerPivot, PowerQuery, DAX
- Automation of file servers using RCurl. It runs jobs via task schedulers and a PowerShell script extracts based on selected parameters like day, file type, job period
- Automating Claims Analysis Tool using PowerShell and SharePoint REST API. RECAT Tool allows clients to get a quick summary of their claims. Tool is augmented with excel charts, pivot tables, slicers which facilitates forecasting of claims, gives a historic breakdown and helps in predicting future losses.

Data Analyst Consultant: CENTENE   May 2018 -Nov 2018
- Predictive modelling on usage of state Medicaid funds using linear regression, lasso, ridge, polynomial and splines
- Understanding of HIPAA rules in data governance, data migration to the cloud and security

Data Analyst (INTERN): NIELSEN CATALINA SOLUTIONS   Oct - Dec 2017
- Created data pipelines with Unix for data analysis and migrated those batches to Hadoop
- Worked on campaign studies to find sales lift. Used neural nets to find growth factors in advertisement sector

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

NATURAL LANGUAGE PROCESSING (HEALTH TWEETS): https://www.github.com/aadishchopra/textMining
- Built a Web scraper in RSelenium 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 using Cloudera Hadoop for Metropolitan Water Reclamation District, Chicago, IL
- Datasets transferred from SQL server and correlation among given KPI's was calculated
- Received 2nd Prize in the Annual Project Expo at UIC

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

Research Intern (INTERN): LOYOLA MEDICAL CENTER   June-Aug 2017
- Develop models ODE, regression for Hepatitis B and Hepatitis D virus, explain the pharmacokinetics of drugs
- Used mathematical modelling techniques to explain Hep virus, immune cells and infected cells interaction

Associate Systems Engineer(Trainee): TATA CONSULTANCY SERVICES   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. Executed SQL queries for reporting/dashboard
- Created a website using Java, Angular JS, Hibernate and POSTGRES for a Healthcare company