

Jessica Claire

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Accomplishments

- Stevens Institute of Technology] January 2016 - Present Detecting change points and events on Yelp dataset in Python: Extracted data from the Yelp Businesses and Reviews JSON files and transformed into individual Pandas data frames using Python scripts.
- Executed one-sample t-test to identify significant changes in average rating for each business by investigating 500+ reviews.
- Lending Club Loan Analysis using SAS: Cleaned, processed and analyzed features from data for predicting risk of loan being defaulted/charged off based on past loan data.
- Applied Principal Component Analysis for reducing number of dimensions and implemented Logistic Regression.
- Attained an AUC value of 0.70.
- Crime Analysis: Los Angeles Crime Stats: 2012-2015 using R: Implemented data cleaning and exploration by graphical presentation of crime rate in particular area and frequency of occurrence of crime.
- Applied prediction algorithm K nearest neighbor to predict location of next crime accuracy of 74%.
- Developing a Data Warehouse and Business Intelligence system for Grupo Bimbo: Implemented dimension model and star schema for sales transaction module using Erwin tool.
- Roll up and drill down Cube design, Dashboard reports for monthly sales using Tableau.

Professional Summary

Highly motivated Sales Associate with extensive customer service and sales experience. Outgoing sales professional with track record of driving increased sales, improving buying experience and elevating company profile with target market.

Skills

- Teradata, MySQL, SQL Server.
- Languages: Python, SQL, Shell Scripting, HTML, XML.
- Data Mining | Visualization: Tableau, Python, R.
- Operating Systems: Linux, Windows 7, Unix.
- ETL: Teradata Load utilities
- Tools: Eclipse, Informatica Power center, R Studio.

Work History

ETL Developer, 02/2012 to 05/2014

Jpmorgan Chase & Co. – Salt Lake City, UT, India

- Understanding the business requirements and future roadmaps - multiple discussions with the different business stakeholders (specially solution architects, business analysts/domain SMEs).
- Assessed different source systems that will feed the Data Marts or Centralized Enterprise Data Warehouse.
- Created (Extract, Transform and Load) ETL design mapping sheet, data reconciliation strategy, data archival strategy - ETL framework, stored procedures and built SQL query objects to detect data loss.
- Automated 25+ businesses loading process to load through a common framework reducing run time by 70%.
- Wrote 10+ Bteq Scripts to handle Change Data Capture logic and conducted data validation utilizing Informatica DVO and prepared test reports for loading data into target tables.
- Led 5 resource during team implementation of changes, unit and system testing and migration of deliverables to production environment and assisted in real-time defect fixing ensuring timely deliverables by team.
- Initiated performance dashboard for queries in dev to check if it meets threshold and approve them to release in production.
- Optimized and tuned Informatica mappings and SQL stored procedures by adhering to Informatica best practices which saved 40 hours per week of manual work.

Interests

Volunteer, Maitree - CSR team, Tata Consultancy Services October 2012 - June 2014

Education

Master of Science: Information Systems, May 2017

Stevens Institute of Technology - Hoboken, New Jersey

Information Systems 3.83/4

Multivariate Data Analysis, Data Warehousing, Social Network Analysis, Machine Learning, Web Analytics, Data Mining, Data Warehousing and Business Intelligence, Project Management Fundamentals, Financial Decision Making

Bachelor of Engineering: Computer Science

Visvesvaraya Technological University - Bangalore

Computer Science with Distinction

Data Warehousing, Database Management, Data Structures, Intro to Java, Web Programming: June 2011

Additional Information

- LEADERSHIP AND HONORS: Outstanding Performance Award, Tata Consultancy Services for being an outstanding performer in delivering project. Volunteer, Maitree - CSR team, Tata Consultancy Services October 2012 - June 2014