

Jashandeep Kaur

Associate Data Scientist - Kogentix Inc

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Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Associate Data Scientist

Kogentix Inc - May 2016 to Present

Churn prediction model:

- Objective: To predict churn for subscribers of telecommunications company in advance so that business can hold their customer

base with best possible offers.

- Survival Analysis, Machine learning techniques, Logistic Regression used to build the classifier to predict churns in advance.

- Hive and Impala queries written in Hadoop cluster to analyze pattern of usage of various services by subscribers.

- Used R, Python, PySpark to build the model.

Segmentation:

- Objective: To segment orders based on business logic and statistical models, so that segments are useful for business actions as well as mathematically significant.

- Worked on transactional Data of customers to explore the nature of orders.

- Complex SQL queries used to draw data from multiple tables in snowflake for analysis of pattern of orders and customer behavior.

- Used Random forest, K-means clustering, hierarchical clustering, pam, CART on samples drawn in R to find pattern in orders.

- Sampling cross-validation techniques were used to draw inferences on prominent patterns.

EDUCATION

Masters in Statistics in Statistics

University of Kalyani - Kolkata, West Bengal

2014

Bachelors in Statistics in Operations Research

University of Calcutta - Kolkata, West Bengal

2014

SKILLS

Hive (1 year), Machine learning (1 year), Python (1 year), Random forest (1 year), SQL (1 year)

ADDITIONAL INFORMATION

SKILLS:

Languages: R, Python, C(Beginner), Matlab(Beginner), Base SAS

Tools: Statistical Techniques (Logistic and Linear Regression, Hypothesis testing,), Machine learning (support vector machine, decision tree, random forest, k-nearest neighbor), SQL, Advance Excel, Pyspark, Hive