Rajesh Majumder

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CAREER OBJECTIVE

Seeking an opportunity where I can utilize my skills and knowledge to the growth of an organization. Statistics & Machine Learning enthusiast looking for a similar job profile in a creative well-established analyst company.

EXPERIENCE

ST. JOHN'S RESEARCH INSTITUTE Bengaluru, India

Post: Statistician — Feb,2022- Present

SKILLS

- Regression Theory
- Ridge, LASSO
- Logistic Regression
- Survival Analysis
- Missing Data Mechanis
- Statistical Inference
- PCA
- SVM
- LDA & QDA
- Clustering
- C Programming
- Advanced Excel & VBA
- R Studio
- Minitab
- Basic Python
- Lyx/Latex
- Basic Power BI
- SQL

EDUCATION

- **MASTER'S DEGREE IN STATISTICS (2019-21)**
  West Bengal State University

  8.68 CGPA
  Rank: 1st in the University (dept: Statistics)

- **BACHELOR'S DEGREE IN STATISTICS (2016-19)**
  Acharya Prafulla Chandra College
  percentage obtained 63.25%

- **HIGHER SECONDARY (2014-16)**
  Madhyamgram High School
  percentage obtained 63%

- **SECONDARY (2014)**
  Madhyamgram High School
  percentage obtained 75%

CERTIFICATION COURCES

- **Machine Learning, Data Science and Deep Learning with Python**
  From ***Udemy***
- **Introduction to SQL**

  From ***Simplilearn****, Certificate code: 2958997*

LINGUISTIC ABILITIES

Bengali | Hindi | English

PERSONAL PROJECTS

Jan – Aug, 2021

Performance of LASSO when one or more covariate is/are Missing Not at Random (MNAR)

This is my M.Sc. final year project. Under the supervision of ***Dr. Sumanta Adhya, WBSU***

Motivation, Roles & Responsibilities:

- The motive of this project is that, instead of using multiple imputation, how to perform variable selection task under the **multicollinearity**, where one or more features are affected by **Missing not at Random(MNAR)** mechanism.
- Generate a simulated data set.
- Apply **LARS** algorithm to find **LASSO** coefficients & Introduced an alternative method named as **IPW-LASSO(Inversed Probability Weighted LASSO)**, for variable selection & Estimation.
- Used **R Studio** for doing this project & Used **MASS**, **LARS** packages. Code is available in **Github**.

Sep – Jan, 2019

A study of effect of different diet on weight loss

This is my B.Sc. final year project. Under the supervision of ***Dr. Arabinda Das,*** *Acharya Prafulla Chandra College*

Motivation, Roles & Responsibilities:

- The motive of this project is to find among 3 diets which one gives the best result on weight loss.
- Find the descriptive stat of the dataset, checking Normality of the data set by **Q-Q plot**, **Shapiro-Wilk test**.
- Performed Test for **Homogenity**(**Bartlett's test, Levene's Test**), **ANOVA** & **ANCOVA**, Checked the effects of the diets by performing **Multiple comparison**.
- Used **SPSS** to do this project.

Sep, 2020 - Present

Software Development Project: MED-EZY Microsoft Excel based Wholesale & Retail Medicine GST Billing Software

Motivation, Roles & Responsibilities:

- This is an **Excel VBA based ERP software** for small **Wholesale and Retail Medicine business**, to help small medicine businessmen.
- In this software user can manage, **Customers & Suppliers database**, **generates GST sale bills**, **Purchase entry**, **Stock management**, **Inventory reports**, **calculates Doctors & MR Commission**, **generates Purchase & Sale return bill**, **send Bulk What's App messages.**
- This Excel VBA based Software is copy protected, and password protected. Still working on it.

INTERESTS

- Applications of **Machine Learning Tools** in solving complex statistical problems & Applications of **Regularized methods** in variable selections as well as estimation.
- And my other interests are singing, playing harmonica, seeing movies, blogging, reading, etc.