Md. Sakil Khan Shadhin

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PROFESSIONAL LINKS

- https://github.com/shadhinkhan
- https://scholar.google.com/citations?user=3B-SNn8AAAAJ
- https://www.researchgate.net/profile/Md_Shadhin
- https://www.linkedin.com/in/mdsks/

SKILLS

- C, C++, Python, Java, Kotlin, PHP, JavaScript
- Django, CodeIgniter
- PostgreSql, MySql

PROJECT

Clustering Students Based on Their Evaluations of Teaching and Teachers

Student evaluations have turned into the focal point of broad information gathering, because of high levels of rivalry in education. But the information disclosure isn't sufficient, particularly in the utilization of student evaluations. The purpose of this study is to identify various clusters of students based on their evaluations of teaching and teachers. The accompanying conclusion will be drawn from this exploration that diverse topological structures of student exist in the institution.

WORK EXPERIENCE

2019–Present | **BroTecs Technologies Limited**
Jr. Software Engineer · Dhaka, BD

EDUCATION

2019 **North South University**
Computer Science & Engineering · Dhaka, BD

COMPETITION

Predict future sales

I and my team "Outliers", we describe the methods and features in the Predict Future Sale competition in Kaggle. The competition involved a time series problem to solve for a renowned Russian software company, 1C. We had to predict one month's sale based on 34 months of sale of 20170 different items in over 60 shops from different cities of Russia. We generated many features based on statistics, texts, domain knowledge and intuition. The time difference between an item being sold in each shop, total duration of an item staying in a shop, the opening and closing of an item and a shop are among the total of 83 features. We also developed many lag features based on month number, price, and revenue. City code, type and sub types of items from the name of the items, one hot encoded feature based on the number of days in a month, month number in a year along with the given features in the competition were fed into a gradient boosting model to train and generate the final month's sale. These categorical and numerical features gave the best result we found which placed Outliers team in 10th among more than 2000 teams currently and the competition is still ongoing.

PUBLICATION

Nahian Ahmed, Nazmul Alam Diptu, **M. Sakil Khan Shadhin**, M. Abrar Fahim Jaki, M. Ferdous Hasan, M. Naimul Islam and Rashedur M. Rahman, "Artificial Neural Network and Machine Learning Based Methods for Population Estimation of Rohingya Refugees: Comparing Data-Driven and Satellite Image-Driven Approaches", Vietnam Journal of Computer Science, 2019