**Bil 476 Project Proposal**

**Title:** Predict Future Sales (A prediction Competition from Kaggle)

**Description:** In this competition our group will work with a challenging time-series dataset consisting of daily sales data, kindly provided by one of the largest Russian software firms - [1C Company](http://1c.ru/eng/title.htm). Currently, 3155 teams are racing in the project.

We are asked to predict total sales for every product and store in the next month.

We are provided with daily historical sales data. The task is to forecast the total amount of products sold in every shop for the test set. The list of shops and products slightly changes every month. Creating a robust model that can handle such situations is part of the challenge. Given data set consists of 11 features which are ID, shop id, item id, item category id, item count day, item price, date, date block number, item name, shop name, and item category name.

For this task, we are going to use root mean squared error (RMSE) as a error type.  İt compares a predicted value and an observed or known value.

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**The website of the project :**

https://www.kaggle.com/c/competitive-data-science-predict-future-sales/