**Proposal**

**Topic: Sports Analysis**

**Abstract**

This project is to develop a predict framework for a match winner. I would like to analysis international football data and predict the winner, for which twenty countries competed against each other. There are four steps for the whole process. Data collection, data preprocessing, data analysis and model building and evaluation. The web application I would like to use as a model.

**Data Collection**

I collected data from the Kaggle website. The file which I download have already include the score and tournament of home team and away team from 1872 to 2017. Currently, the data satisfy my project data requirement. I will collect more if I find any need when analyzing.

**List of data sources (URL)**

<https://www.kaggle.com/martj42/international-football-results-from-1872-to-2017>

**Timeline for this project**

* 2.3 Collect data
* 2.8 1-page project proposal
* 2.23 preprocess data
* 3.9 analysis data
* 3.24 2-page project intermediate report
* 3.30 build model
* 4.21 final project report