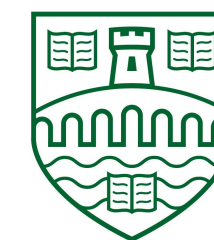# Analysis of Curling Stone Delivery Requirements and Scoring Success

Chen Bohao
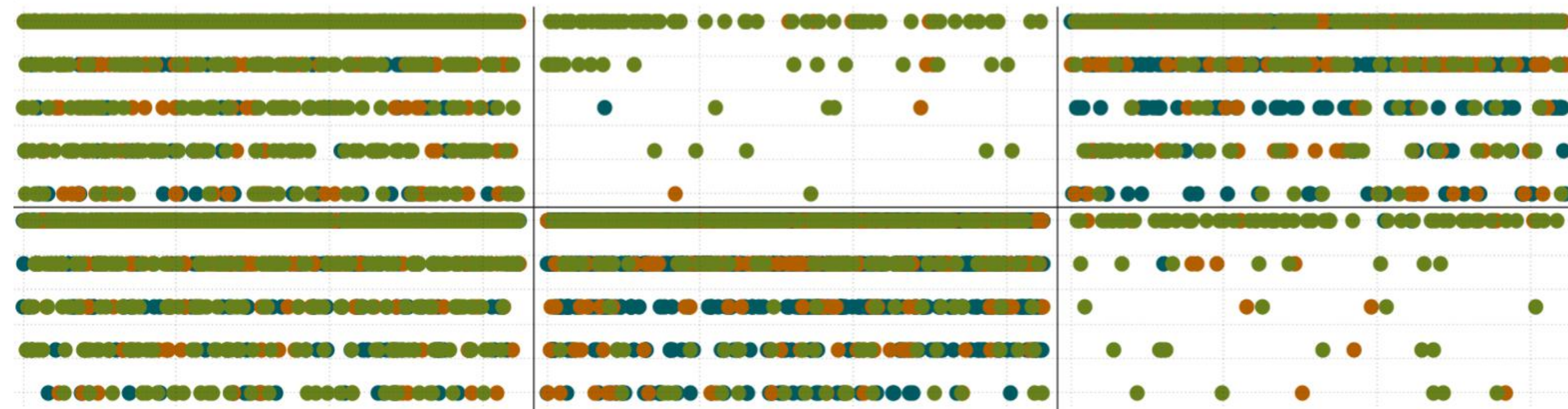**MSc in Big Data**

Inrtoduction

Curling is one of the suitable sport for doing data analysis among sports, and it was also referred to as "chess on ice". All of these proved that curling needs strategies and data mining to win the game.

The main idea on this project is to do suitable analysis(most on visualization is to reduce the difficulty to gain the information) on the data to allow athletes and coaches to get useful information to help their training.

Data

Data is support by Sportscorland institute of sport. With many information on the stone and the delivered.

Because of the consideration of the number of the data, the project will look on servals important attributes

Preliminary Results

Get some statistical results by visualization the data. One is shown above. Details attributes are invisable for secret.

The problem for building model is there exists imbalanced problem with multi-class categories data, which will need further work to overcome it.

Further work

The future work will be overcome the imbalance problem of the data and finish the build of the model. Also, have a look for other attributes to find any useful information help the model works well.

The central target technology may use to overcome the problem may using over-sampling, under-sampling or some other hybrid technique.