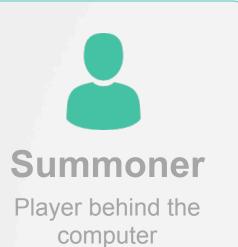
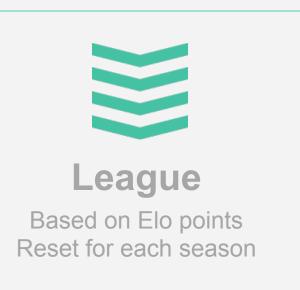
Predicting players performance in League of Legends®

Applied Data Analysis 2016-2017

Ignacio Aguado Darío Martínez Juan Luis Moral

League of Legends

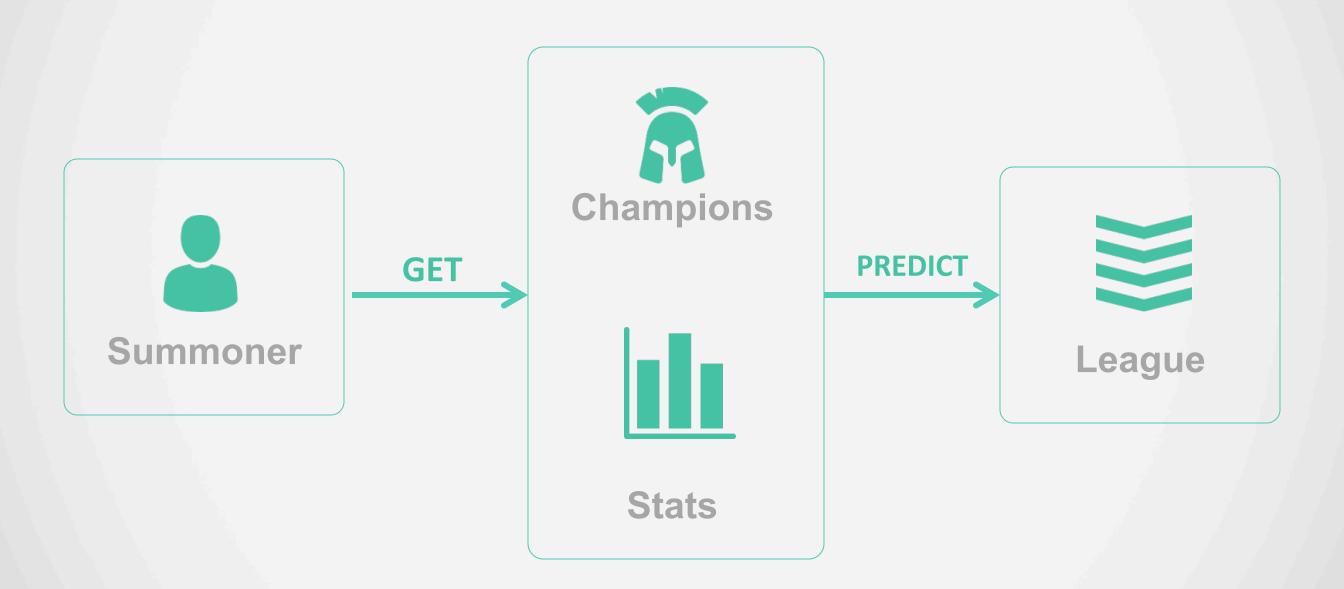








What do we want to achieve?

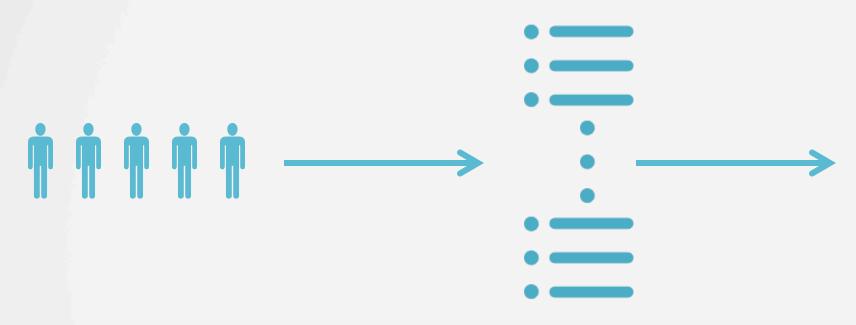


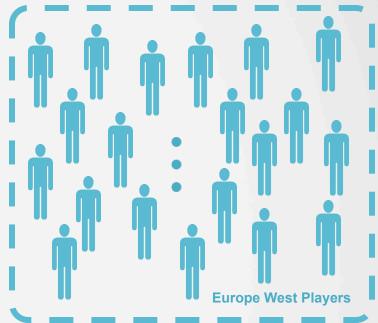
Data Mining

5 INITIAL SUMMONERS

MATCH LIST - OPPONENTS

+30.000 SUMMONERS







RIOT GAMESTM API

MOST PLAYED CHAMPION STATS

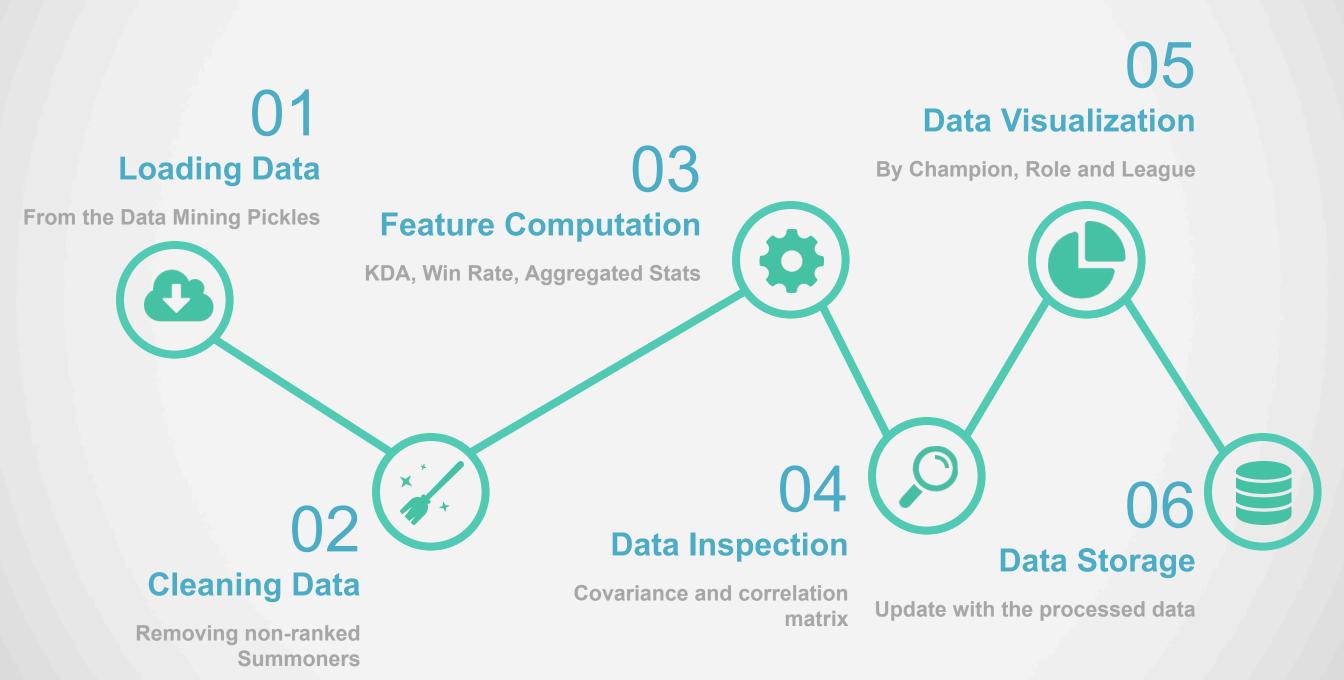
CHAMPION'S PASSIVE INFORMATION



LOLKING.NET



Data Wrangling and Analysis



Feature Selection

Univaried

Most important future

Maximum Number of Deaths



Recursive

Different features

Maximum Number of Deaths

Gold Earned
Minions Killed
Damage Dealt
Damage Taken
Multiple Kills
Turrets Killed

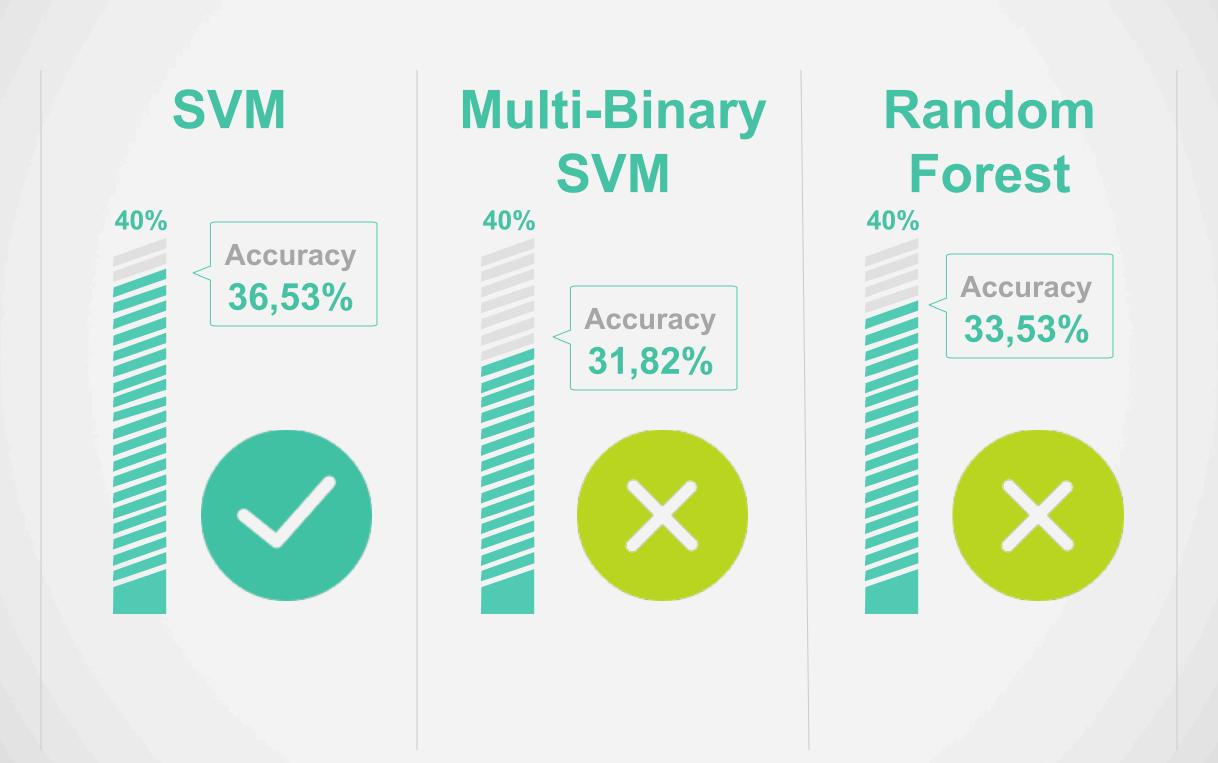


Using a tree

Shouldn't Normalize



Machine Learning

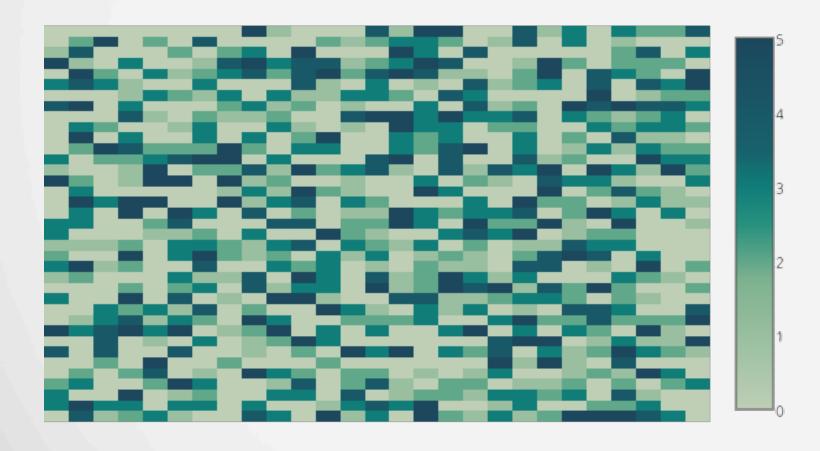


Results & Conclusions

Average League Error 0,96

Perfect League Accuracy 36,53%

Accuracy Heatmap 875 test users:



Comments

- Individual Stats are not enough
- Strategic factors not taken into account

Future work

- Own Team Stats
- Opponents Stats
- Champion Role