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Predicting League of Legends World's

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12/12/2019

Introduction

- Predicting in sports?

Introduction

- Predicting in sports?
- Why League of Legends?
- Why the world championships?

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What is League of Legends?

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Oracle's Elixir

- Excel Spreadsheets

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Oracle's Elixir

- Excel Spreadsheets
- Missing LPL data

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Per Minute Vs Raw

- Valuing Gamelength

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Per Minute Vs Raw

- Valuing Gamelength
- Efficiency vs Overall
- Obtaining Gold efficiency

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Per Minute Vs Raw

- Valuing Gamelength
- Efficiency vs Overall
- Obtaining Gold efficiency
- Vision stats

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World's Format

- 16 teams from around the globe

World's Format

- 16 teams from around the globe
- Groups of 4 - Best of 1, Double Round Robin

World's Format

- 16 teams from around the globe
- Groups of 4 - Best of 1, Double Round Robin
- Knockout Stage - Best of 5, 8 teams left

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Linear Model

- More Manipulatable

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Linear Model

- More Manipulatable
- Relationship between stats

Linear Model

- More Manipulatable
- Relationship between stats
- NCAA

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Region Issue and Groups

- Region Skill Gap

Region Issue and Groups

- Region Skill Gap
- Mid tier LCK team better than best LMS team

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Region Issue and Groups

- Region Skill Gap
- Mid tier LCK team better than best LMS team
- Huge flop predicting groups

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Knockout Stage 2019


```
[('FPX', 5076.418541646548),
 ('GRF', 4578.536910618024),
 ('G2', 4470.039316664047),
 ('DWG', 4373.696768487),
 ('SKT', 4357.350642633167),
 ('IG', 3316.710902169333),
 ('Spy', 3108.4106676135716),
 ('FNC', 2590.061620456944)]
```

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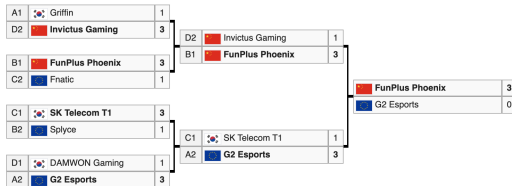
Knockout Stage 2018


```
[('IG', 4918.989508895888),
 ('FNC', 4770.383770918388),
 ('KT', 4351.8161867973595),
 ('G2', 3460.6896921934767),
 ('C9', 2957.315279118572),
 ('EDG', 2714.1016108385547),
 ('AF', 2342.283303995499),
 ('RNG', 809.1724204877319)]
```

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Future Work

- Overcoming the region skill gap

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Future Work

- Overcoming the region skill gap
- Focus on individual regions instead of World's

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Future Work

- Overcoming the region skill gap
- Focus on individual regions instead of World's
- Spring split vs Summer Split

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Future Work

- Overcoming the region skill gap
- Focus on individual regions instead of World's
- Spring split vs Summer Split
- Predict MSI using Spring Split

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Resources

- Svenhuysen, Tim *Oracle's Elixir* Oracle's Elixir, 2015. Web

- League of Legends Wikipedia. Web.

- LolEsports. Web.

- Riot Games. Org.

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Questions?