

3rd Workshop on Machine Learning and Data Mining for Sports Analytics

Jan Van Haaren
Mehdi Kaytoue
Jesse Davis

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dtai.cs.kuleuven.be/events/MLSA16

Schedule

- 09:00 - 09:20 Introduction
- 09:20 - 10:40 **Session I: Prediction challenge**
- 10:40 - 11:00 Coffee break
- 11:00 - 12:40 **Session II**
- 12:40 - 14:20 Lunch break
- 14:20 - 16:00 **Session III, including invited talk**
- 16:00 - 16:20 Coffee break
- 16:20 - 17:20 **Session IV**
- 17:20 - 17:40 Wrap up and discussion

Practicalities

- Fill out the online attendance form
 - We will compose an attendance list
 - We will send all registered attendees a copy
- For presenters: Please respect the limit
 - Presentation: max. **15** minutes
 - Discussion and questions: min. **5** minutes

EURO 2016 Prediction Competition

- **Challenges:**

1. Predicting individual match outcomes
2. Predicting tournament elimination

- **Datasets:**

- Countries: rankings and points
- Players: age, market value, basic statistics, ...

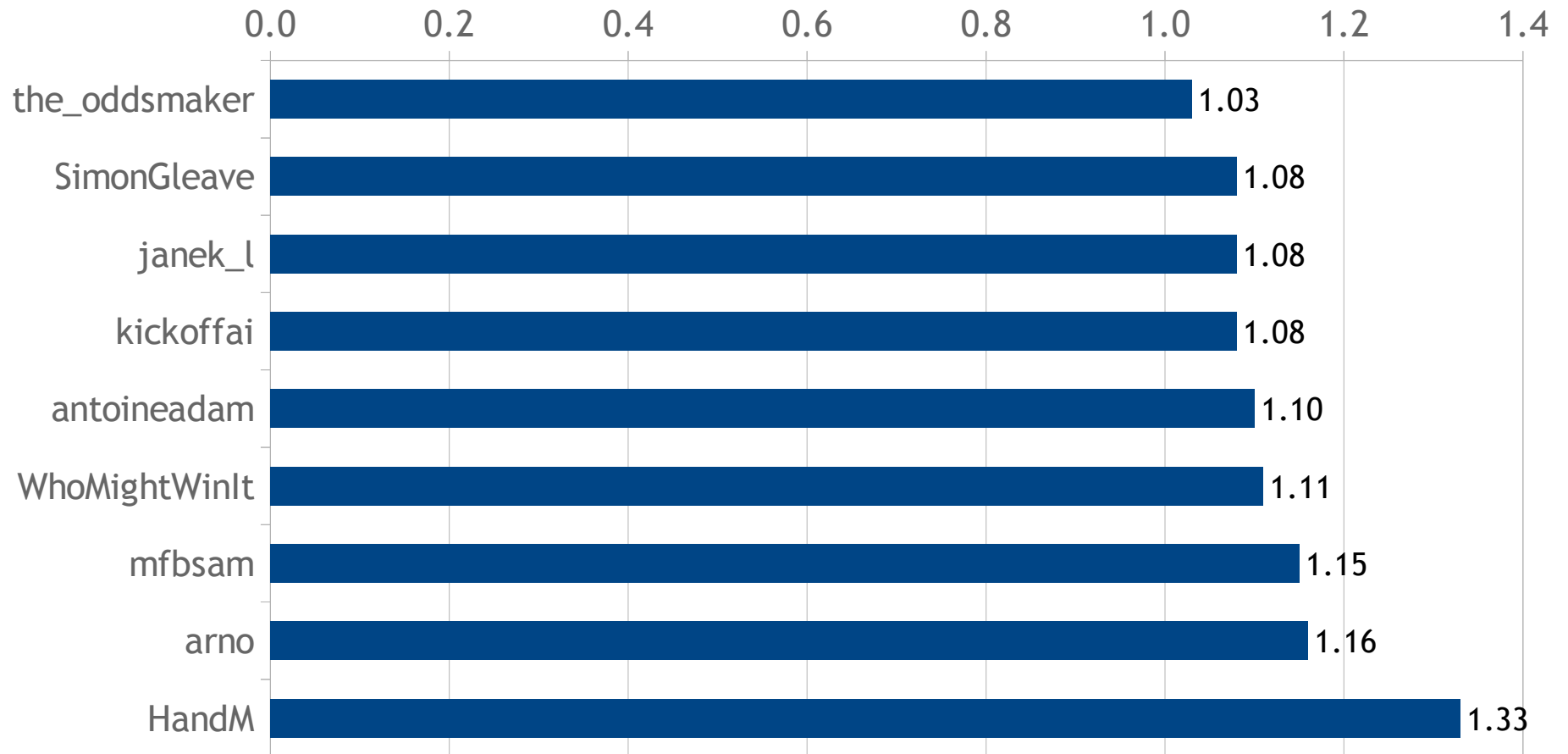
- **Period: 1 March - 10 June**

Predicting match outcomes

- **Task:** For each possible match, provide a probability distribution over the outcomes
- **Example:** 50% team A, 30% team B, 20% draw
- **Matches:** 276 ($= 24 \times 23 / 2$)
- **Evaluation:** multi-class logarithmic loss

Predicting match outcomes

Multi-class logarithmic loss



Predicting tournament elimination

- **Task:** For each country, provide the probability of being eliminated in each stage
- **Example:** 28% group stage, 23% round of 16, 20% quarter-final, 16% semi-final, 10% final, 3% winner
- **Countries:** 24 (= 6 x 4)
- **Evaluation:** multi-class logarithmic loss

Predicting tournament elimination

