

# Seminar: Visualization of Sports Data

Christina Elmer, Katja Ickstadt,  
Andreas Groll, Jacob Grytzka

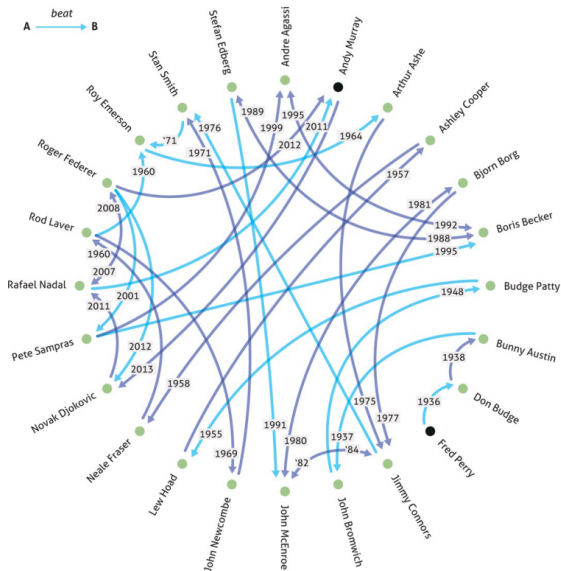
Summer Term 2026

# Description

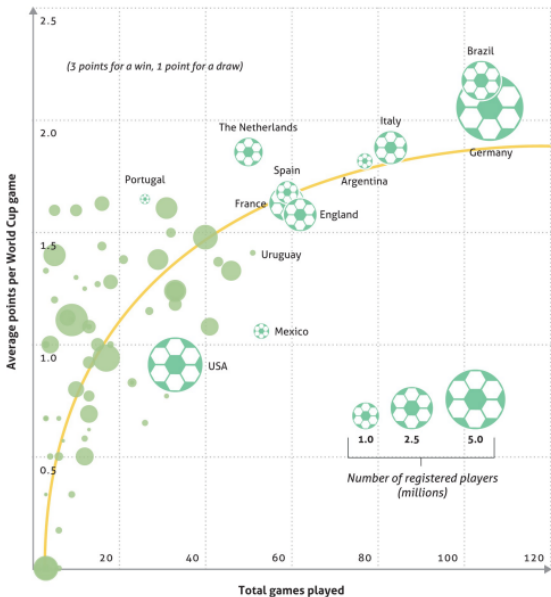
- ▶ Data is becoming increasingly relevant in **sport journalism**. In this seminar, students from **Statistics/Data Science** and **Journalism** will work in teams to research, evaluate and present interesting facts about different sports.
- ▶ The fundamental question is what the data from the world of sports say about society as a whole. The goal is a **(book) publication** along the lines of „Sports Geek“ by Rob Minto, of course with its own content focus and forms of presentation.
- ▶ The seminar is supervised by an interdisciplinary group of lecturers.

Rob Minto, Sports Geek – A visual tour of myths, debates, and data. Bloomsbury, 2016.

# From „Sports Geek“: A generational history of Wimbledon champions

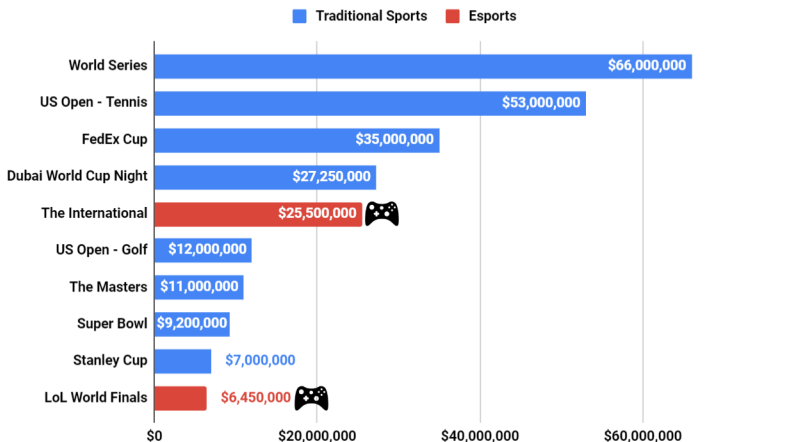


# From „Sports Geek“: World Cup woes



# Financial Relevance of E-Sports

## Top 10 Prize Pools by Event (2018)



# Contents

- ▶ As a second dimension besides the different sports disciplines, we consider socially relevant issues that are of interest across sports, such as:
  - ▶ Fairness
  - ▶ Doping
  - ▶ Commercialization
  - ▶ etc.

# Skills

- ▶ Independent scientific work
- ▶ Presentation in written and oral form.
- ▶ Expanding methodological expertise
- ▶ Interdisciplinary qualifications: teamwork, presentation techniques, communication skills
- ▶ Consulting skills

# Who, When and Where?

- ▶ Target audience: master students in statistics and data science.
- ▶ 11 tandems, 22 participants, 11 of them from Statistics/Data Science.
- ▶ More detailed organizational infos follow on the next 2 slides.
- ▶ **Important: constant participation throughout the semester is mandatory!!!**

# Visualisierung von Sport-Daten

Studiengang		Modul ist anrechenbar für	Allgemeine Informationen	
B.Sc. Statistik		BS 12	Dozent*in	Christina Elmer, Andreas Groll, Katja Ickstadt, Jacob Grytzka, Julian Welz
M.Sc. Statistik		MS 4	Teilnahmevoraussetzungen	keine; gute Plotting-Kenntnisse erwünscht, idealerweise in R
B.Sc. Data Science		BD 14	Ort und Zeit	Mittwoch, 10.00 – 12.00, 14-tägig, in EF 50, 3.510; Mittwoch, 10.00 – 12.00, 14-tägig, Ort tba.
M.Sc. Data Science		MD 4	Sprache	Englisch
M.Sc. Econometrics		ME 6/7	Erster Termin	15. April 2026
			Prüfungszulassung	Aktive Teilnahme
			Prüfungsform	Bericht
			LP	4 ECTS

Verbindliche Anmeldung bis zum 25.02.2026 über den Link in der Mail vom Dekanat

# Visualization of Sports Data

Study Program	Module can be credited for
B.Sc. Statistics	BS 12
M.Sc. Statistics	MS 4
B.Sc. Data Science	BD 14
M.Sc. Data Science	MD 4
M.Sc. Econometrics	ME 6/7

General information	
Teacher	Christina Elmer, Andreas Groll, Katja Ickstadt, Jacob Grytzka, Julian Welz
Module requirements	none; good plotting skills desirable, ideally in R
Place and Time	Wednesday, 10.00 – 12.00, bi-weekly, in EF 50, 3.510; Wednesday, 10.00 – 12.00, bi-weekly, location tba.
Language	English
First date	15 April 2026
Exam admission	Active Participation
Type of examination	Report
ECTS points	4 ECTS

Binding registration until 25.02.2026 via the link in the mail from the dean's office