

Touché @ CLEF 2024

Shared Tasks on Argumentation Systems



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Benno Stein

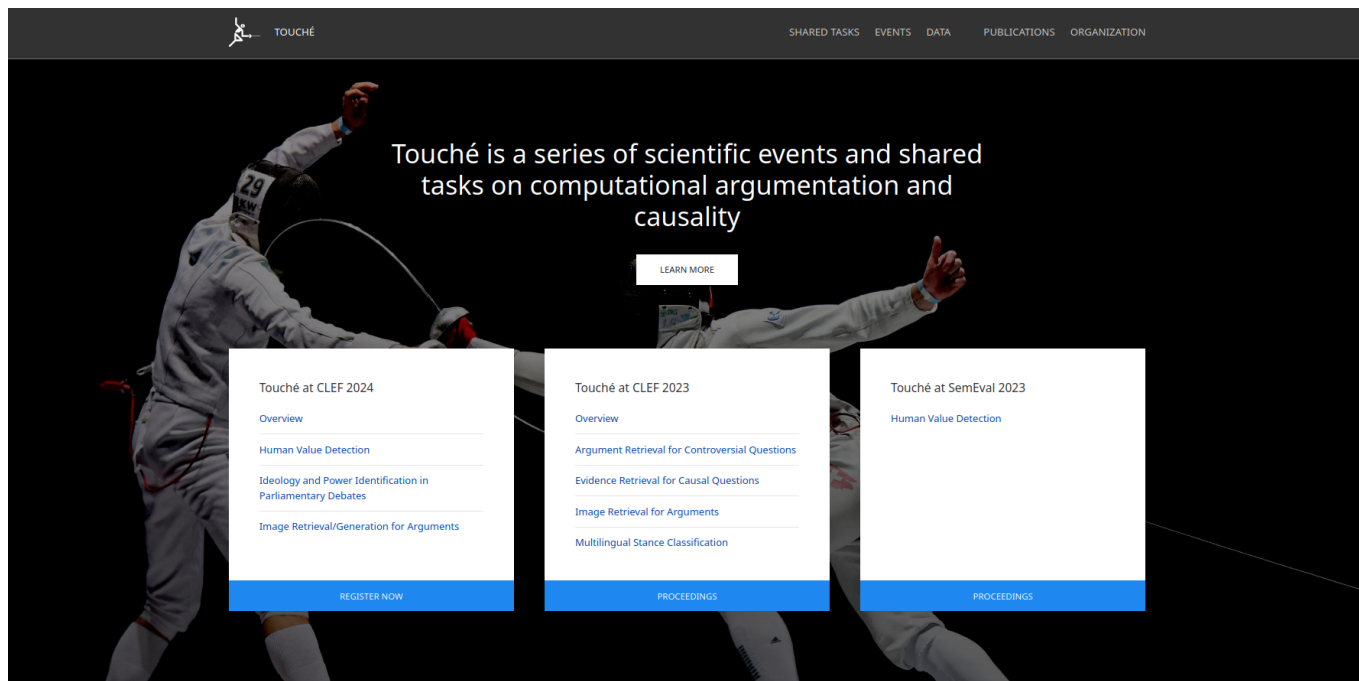
Henning Wachsmuth

[touche.webis.de]

Touché 2024: Argumentation Systems

Goals

- ❑ Platform for argument retrieval and argument analysis research [touche.webis.de]
- ❑ Argument corpora and rankings [touche.webis.de/data]
- ❑ Tools for submission and evaluation [tira.io]



Touché 2024: Argumentation Systems

Statistics over 4 years



- ❑ Registrations: 163 teams
- ❑ Submissions: 74 participating teams
- ❑ Approaches: 243 valid runs were evaluated
- ❑ Evaluation: 36 633 manual judgments

Task 1: Human Value Detection (ValueEval)

Johannes Kiesel, Milad Alshomary, Nailia Mirzakhmedova, Nicolas Handke, Bertrand De Longueville, Theresa Reitis-Münstermann, Mario Scharfbillig, Nicolas Stefanovitch, Henning Wachsmuth, Benno Stein

- ❑ Scenario: Users want to find different views (expressed by values) in texts
- ❑ Task: Given a text, detect for each sentence
 - Subtask 1: which human values it refers to and
 - Subtask 2: whether it signals (partial) attainment or constraint of the value
- ❑ Data: > 3 000 news+manifestos, 9 languages, 400 to 800 words each

Example:

The **budget** for last year's government policies on defence **went out of control**.

Value (Subtask 1): **Power: Resources**

Attainment (Subtask 2): **(Partially) constrained**

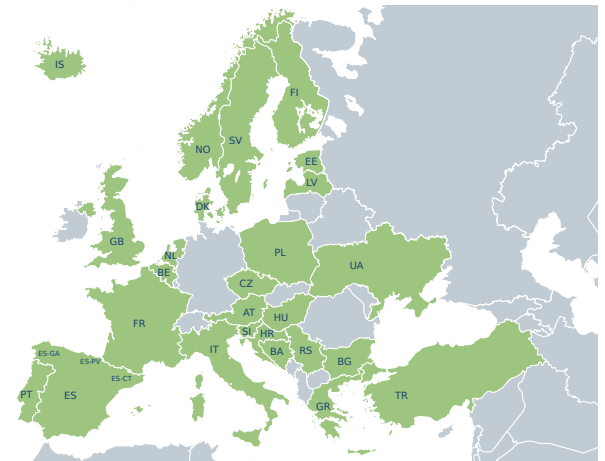
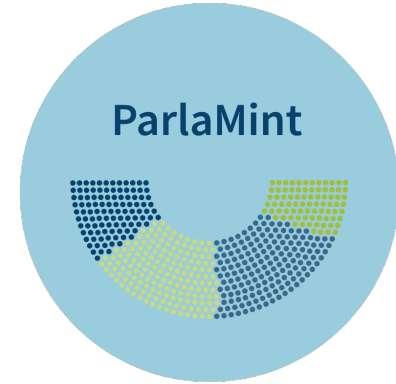


Schwartz value system

Task 2: Multilingual Ideology and Power Identification in Parliamentary Debates

Çağrı Çöltekin, Nikola Ljubešić, Katja Meden, Tomaž Erjavec, Vaidas Morkevičius, Matyáš Kopp

- Scenario: To better understand how political ideology the role of the speaker affects parliamentary debates
- Task:
 - Subtask 1: the political orientation of the speaker's party
 - Subtask 2: whether the speaker belongs to a governing party (coalition)
- Data: Speech samples from 26 national 3 regional parliaments from the ParlaMint project, including automatic English translations



Task 3: Image Retrieval/Generation for Arguments (joint task with ImageCLEF)

Maximilian Heinrich, Johannes Kiesel, Martin Potthast, Benno Stein

- ❑ Scenario: Reinforce the effect of an argument with images
- ❑ Task: Retrieve/generate images to convey an argument's premise
- ❑ Data: > 10 000 web images and Stable Diffusion API

Claim: Boxing should be banned!

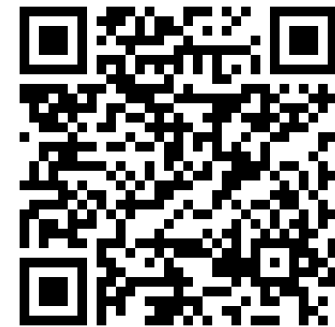
Premise: Boxing can cause serious injury to your body.



retrieved from dataset



generated with Stable Diffusion



More details and Data

Touché at CLEF 2024

- ✓ Synopsis/Call
- ✓ Shared Tasks
- ✓ Registration
- ✓ Important Dates
- ✓ Organizing Committee

Synopsis/Call

Decision-making and opinion-forming are everyday tasks that involve weighing pro and con arguments for or support people in decision-making and opinion-forming and to improve our understanding of these processes featuring three tasks.

Shared Tasks

- Human Value Detection
- Ideology and Power Identification
- Image Retrieval/Generation

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