

Empowering Knowledge through Semantics: From Knowledge Graphs to Neurosemantics

June 1-5, 2025 | Portoroz | Slovenia

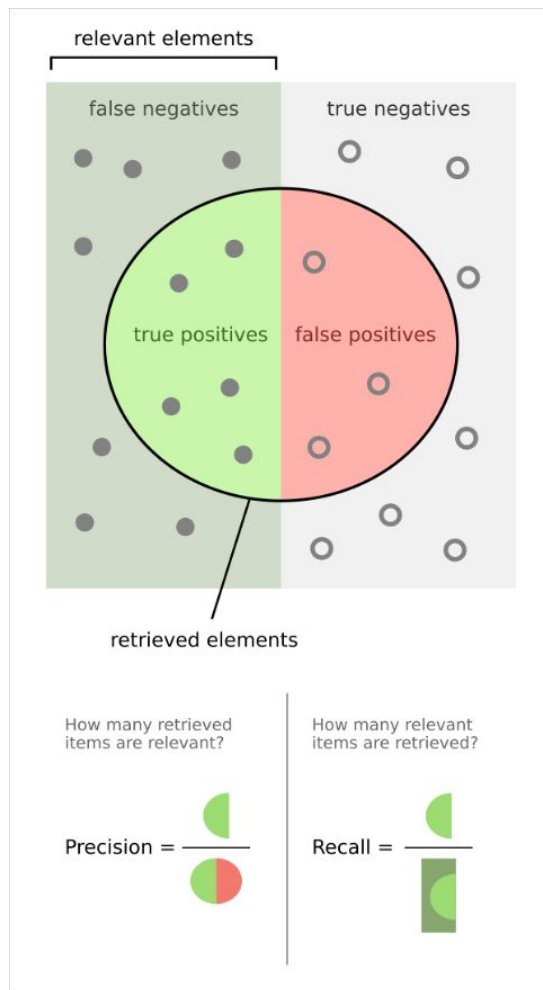


Results

First International **Text2SPARQL** Challenge

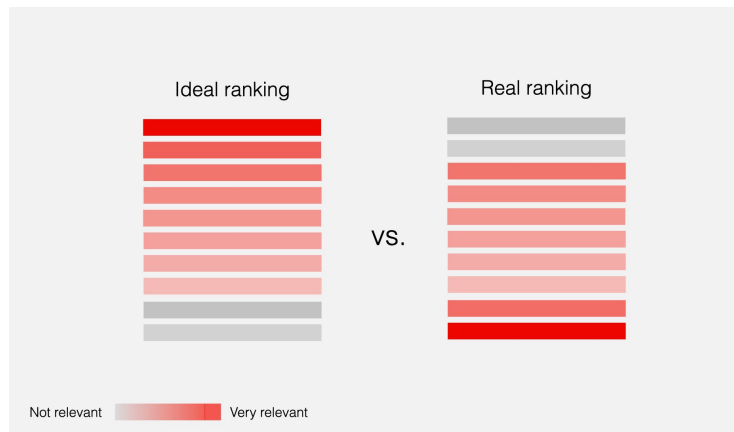
Evaluation

- Precision
- Recall
- F-measure



Evaluation

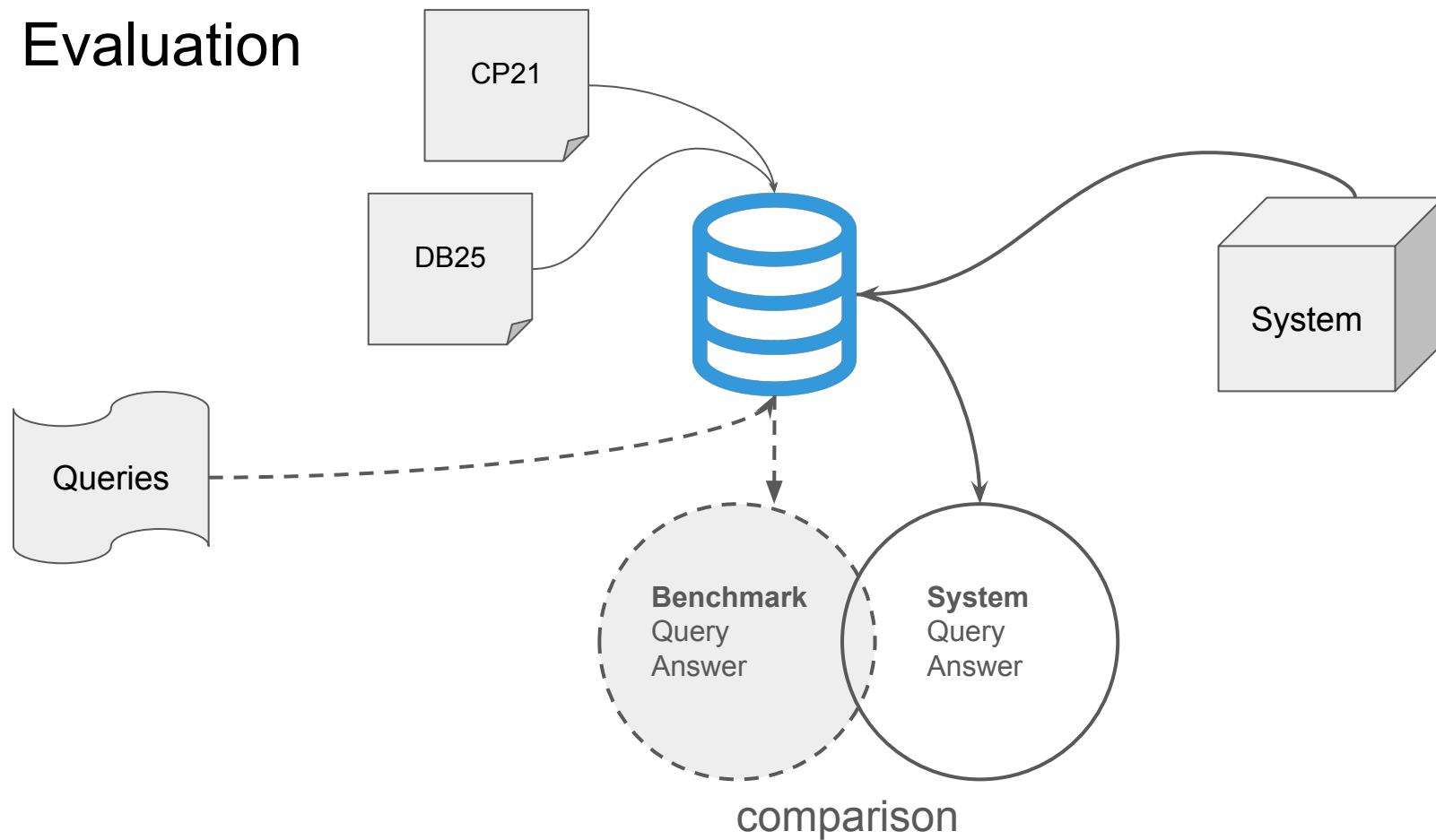
- Normalized Discounted Cumulative Gain at K



$$DCG@K = \sum_{i=1}^K \frac{rel_i}{\log_2(i+1)}$$

$$NDCG@K = \frac{DCG@K}{IDCG@K}$$

Evaluation



Evaluation

```
"average": {  
  "set_P": 0.3705942952271923,  
  "set_recall": 0.46166785674100924,  
  "set_F": 0.3764355202458303,  
  "ndcg": 0.29574795223437217,  
  "set_F_ndcg": 0.37629324295011185,  
  ...  
}
```

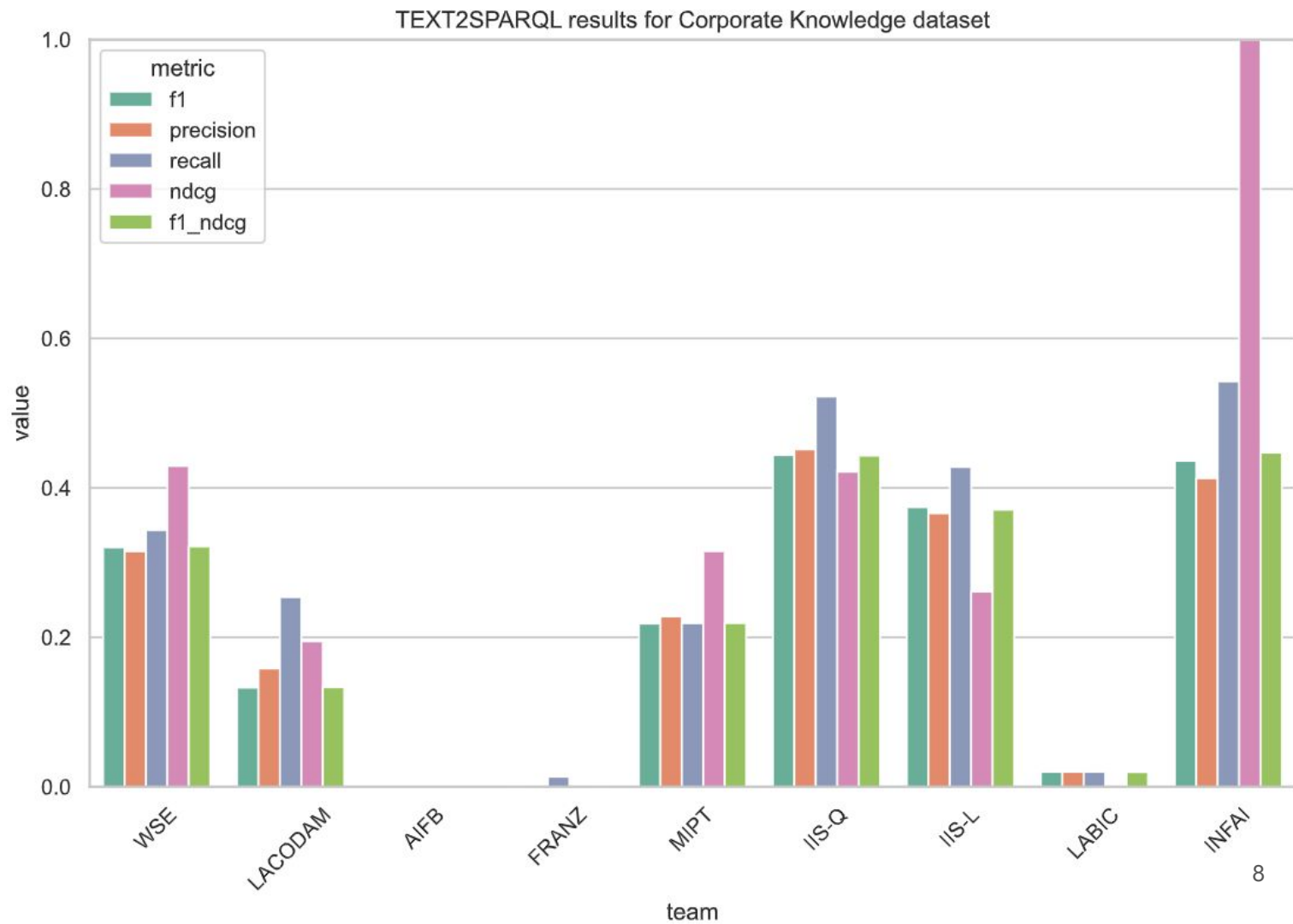
Challenges

- Corporate
- DBpedia English
- DBpedia Spanish
- Overall

Challenges

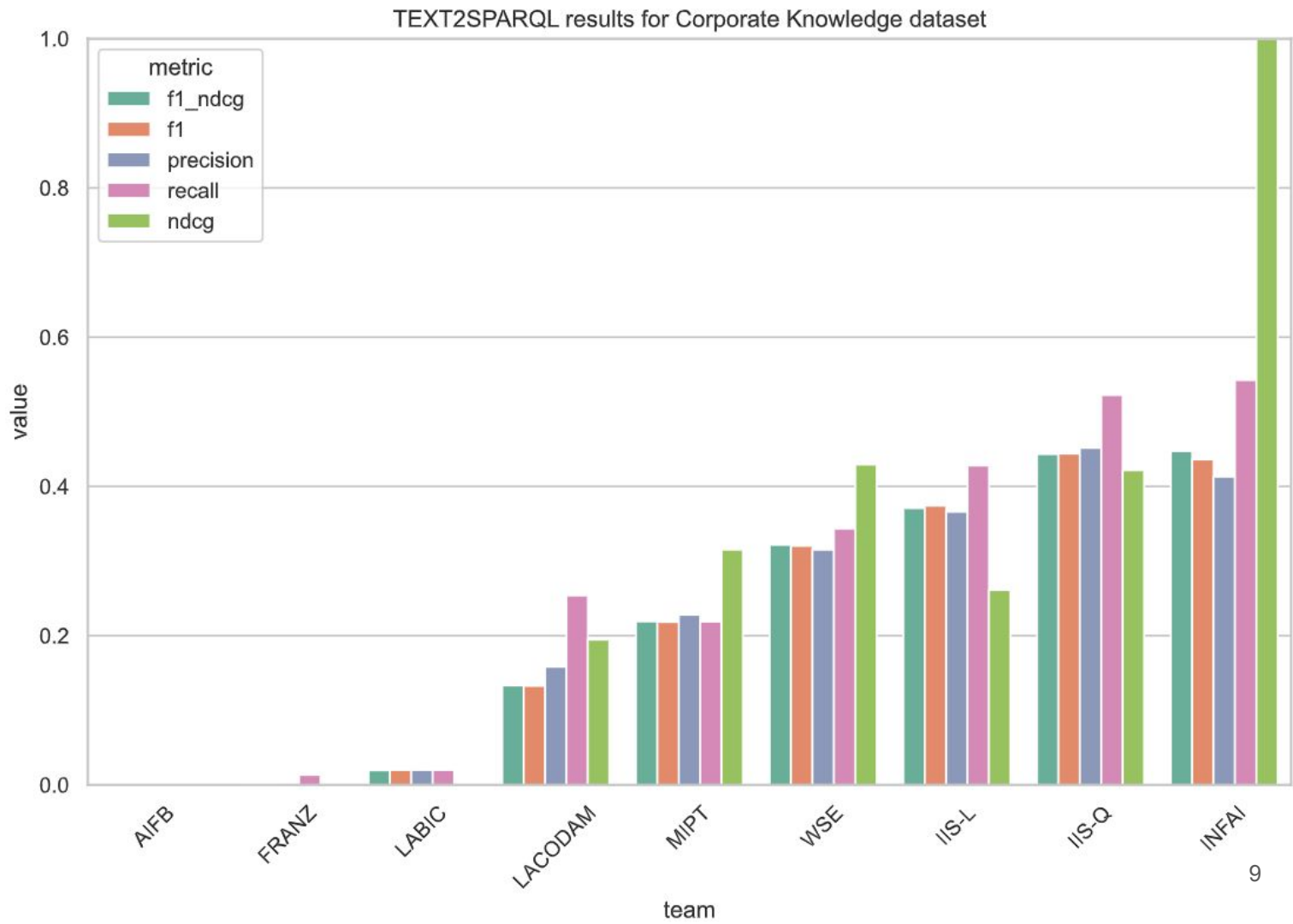
- **Corporate**
- DBpedia EN
- DBpedia ES
- Overall

CK_25




CK_25


sorted




Challenge Corporate

Winners

 **INFAI:** Daniel Gerber, Lorenz Bühmann, Lars-Peter Meyer, Felix Brei,
Claus Stadler

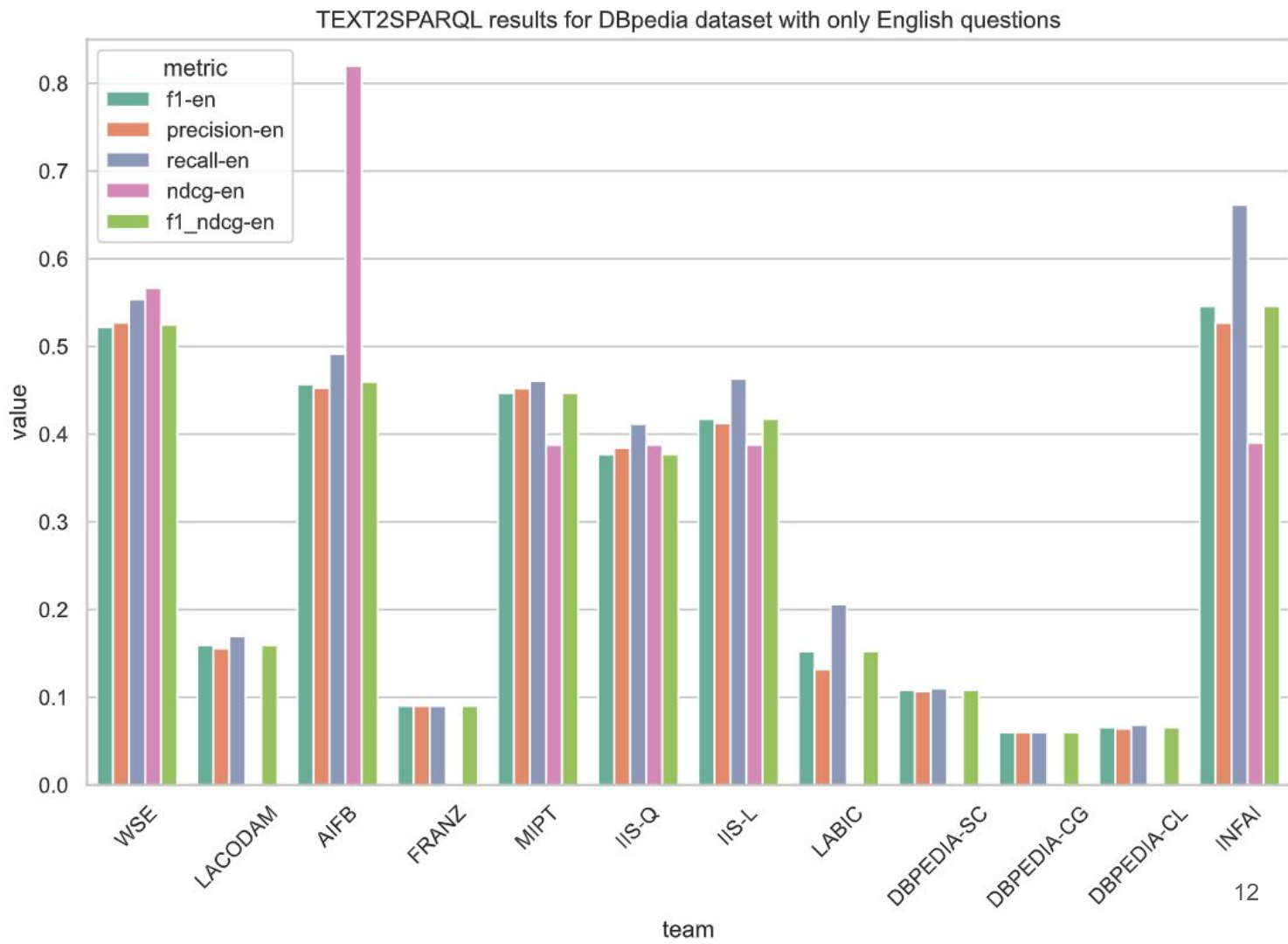
 **IIS-Q:** Daniel Henselmann, Rene Dorsch, Andreas Harth

 **IIS-L:** Daniel Henselmann, Rene Dorsch, Andreas Harth

Challenges

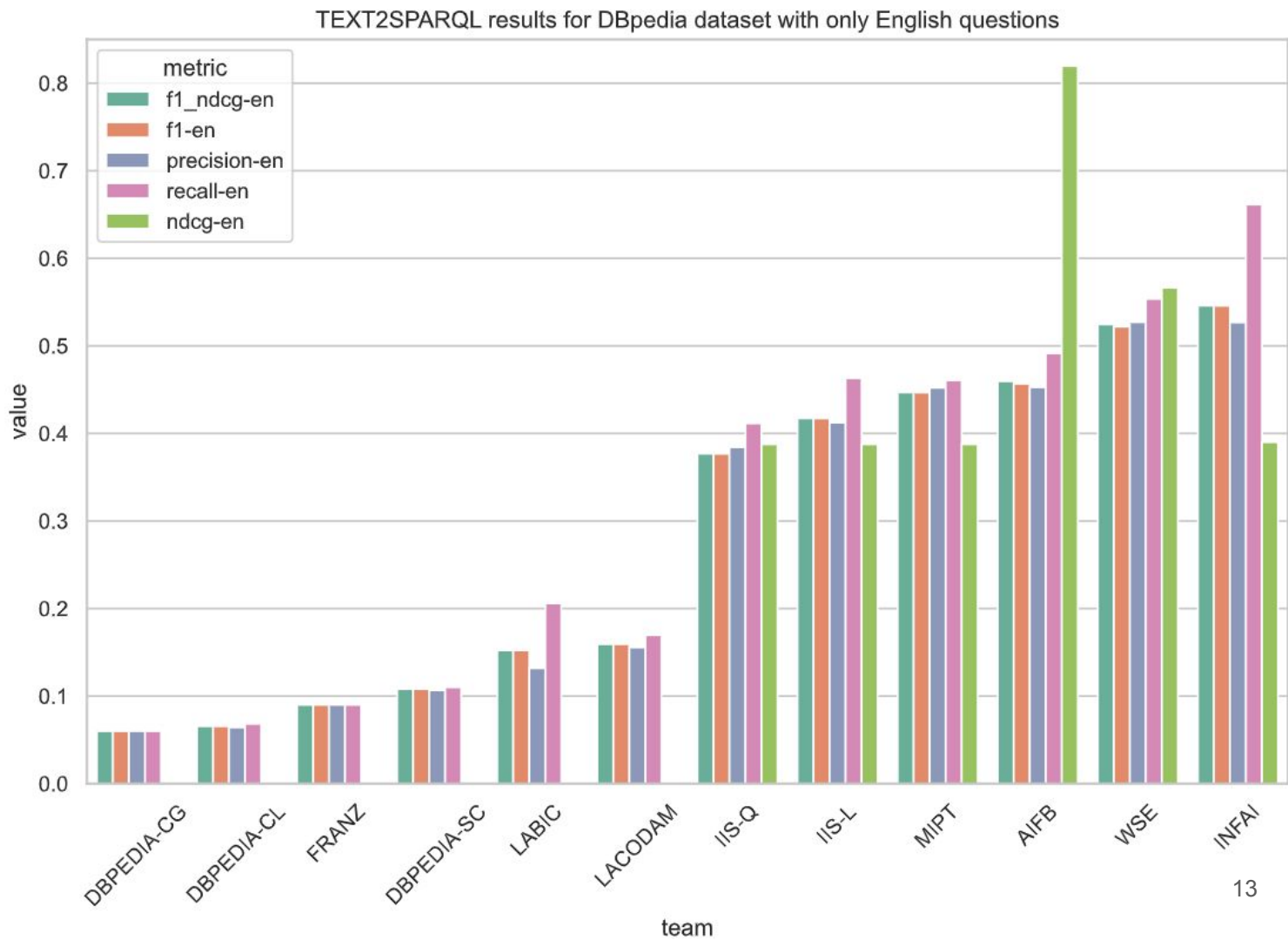
- **Corporate**
- **DBpedia EN**
- DBpedia ES
- Overall

DB_25 en



DB_25 en

sorted



Challenge DBpedia EN

Winners



INFAI: Daniel Gerber, Lorenz Bühmann, Lars-Peter Meyer,
Felix Brei, Claus Stadler



IIS-Q: Daniel Henselmann, Rene Dorsch, Andreas Harth

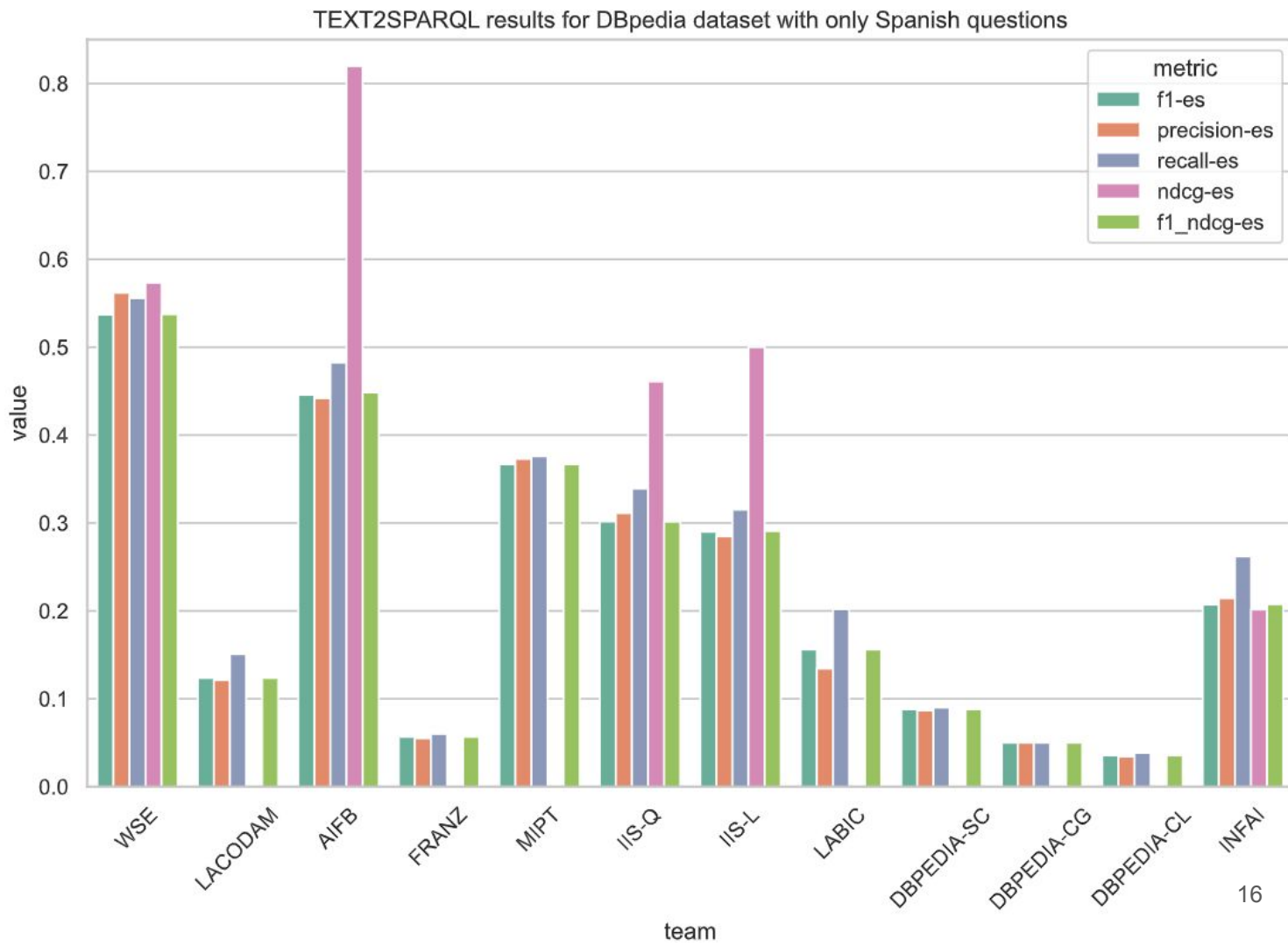


AIFB: Jan Wardenga, Tobias Käfer

Challenges

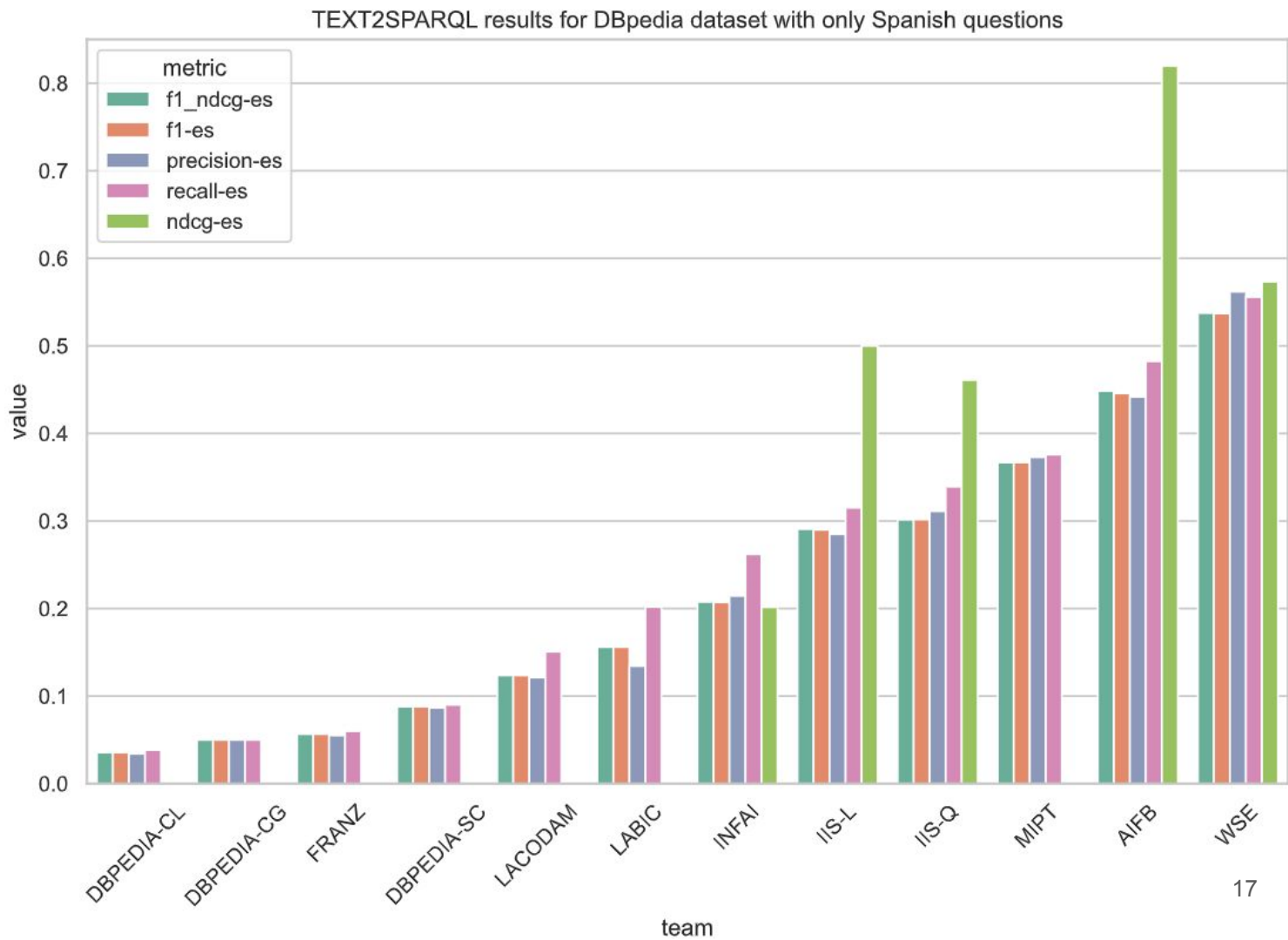
- **Corporate**
- **DBpedia EN**
- **DBpedia ES**
- Overall

DB_25 es



DB_25 es

sorted



Challenge DBpedia ES

Winners



WSE: Aleksandr Perevalov, Andreas Both



AIFB: Jan Wardenga, Tobias Käfer

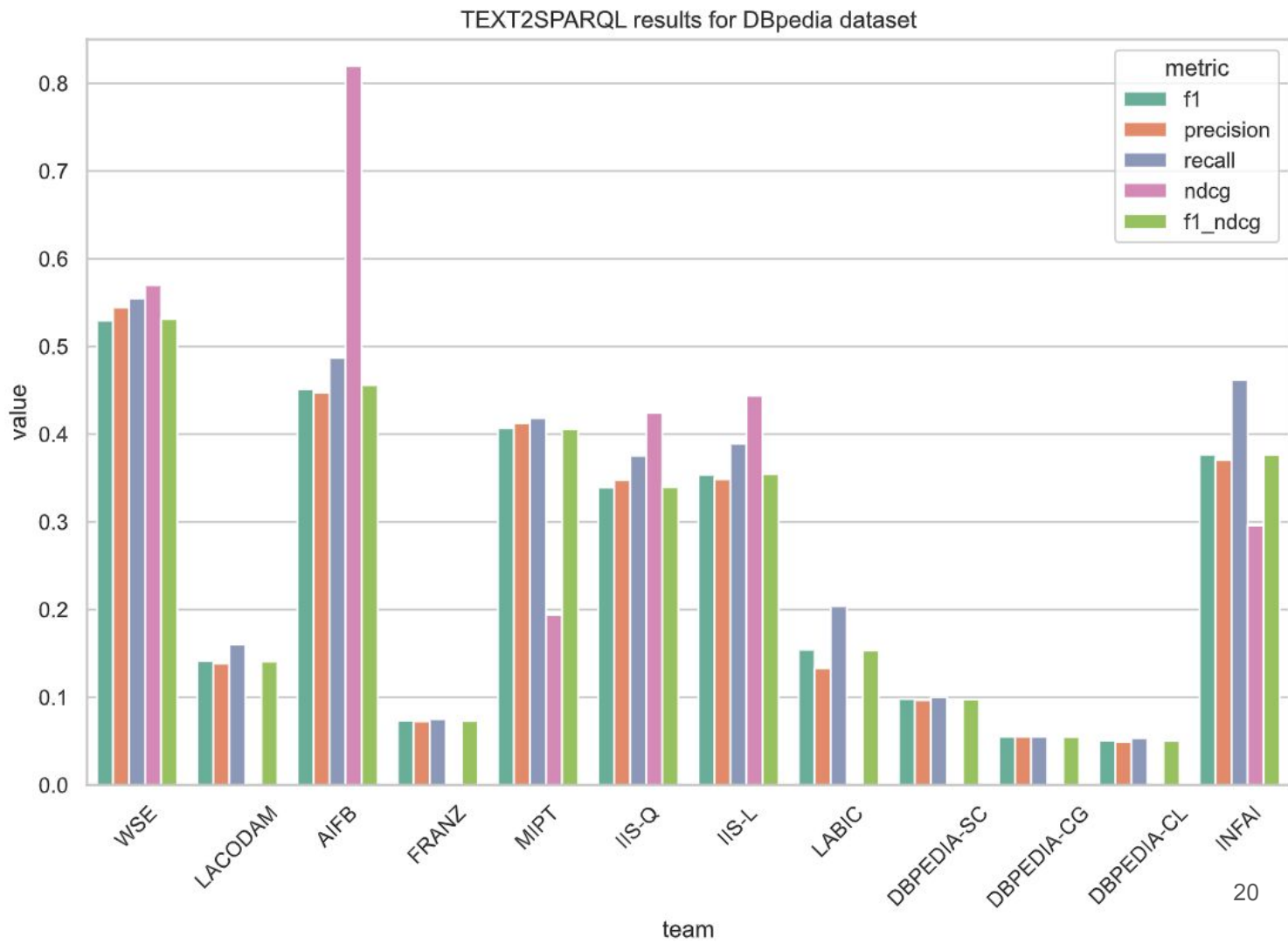


MIPT: Oleg Somov, Daniil Berezin, Roman Avdeev

Challenges

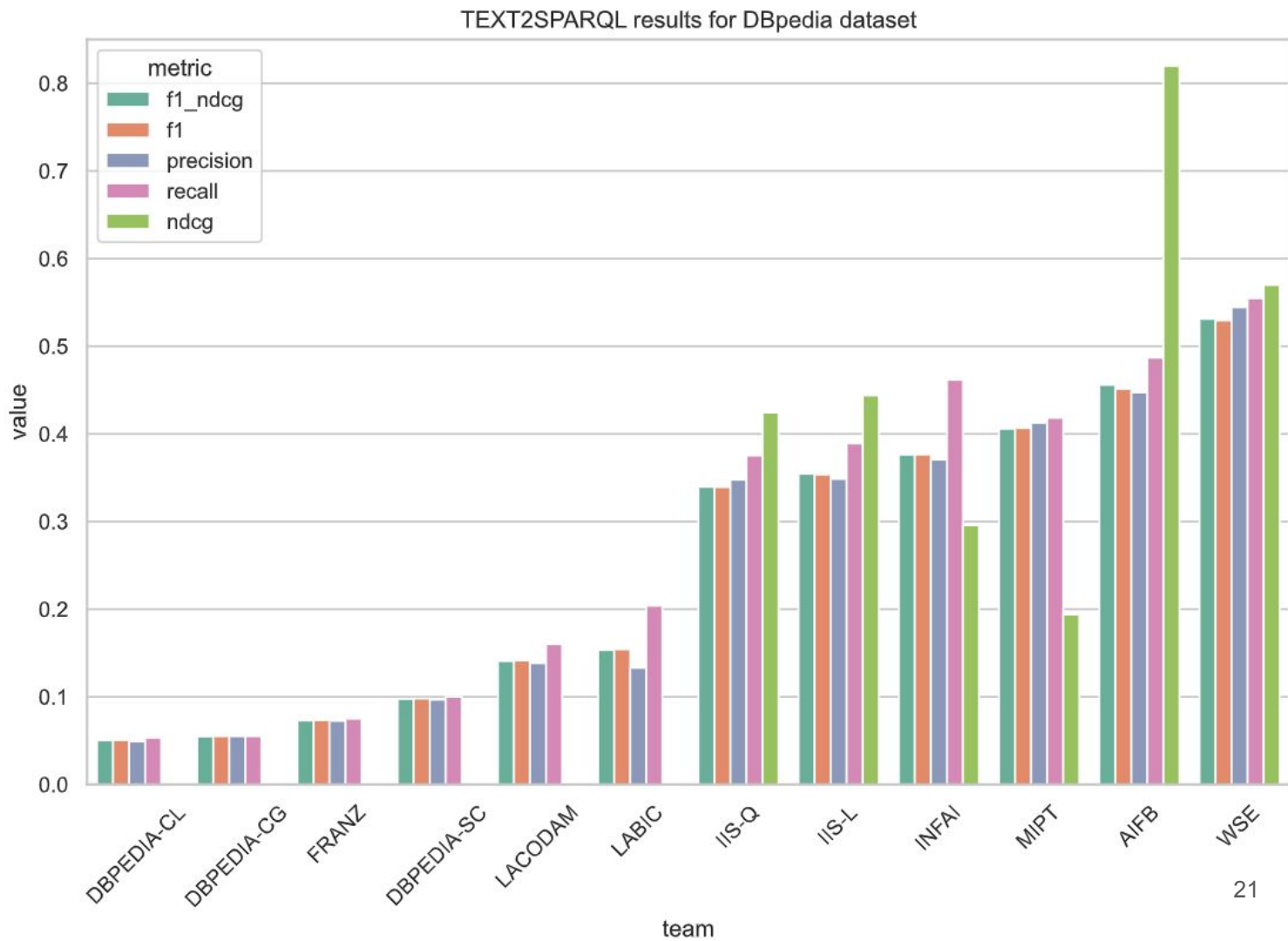
- **Corporate**
- **DBpedia EN**
- **DBpedia ES**
- **Overall**

DB_25 all



DB_25 all

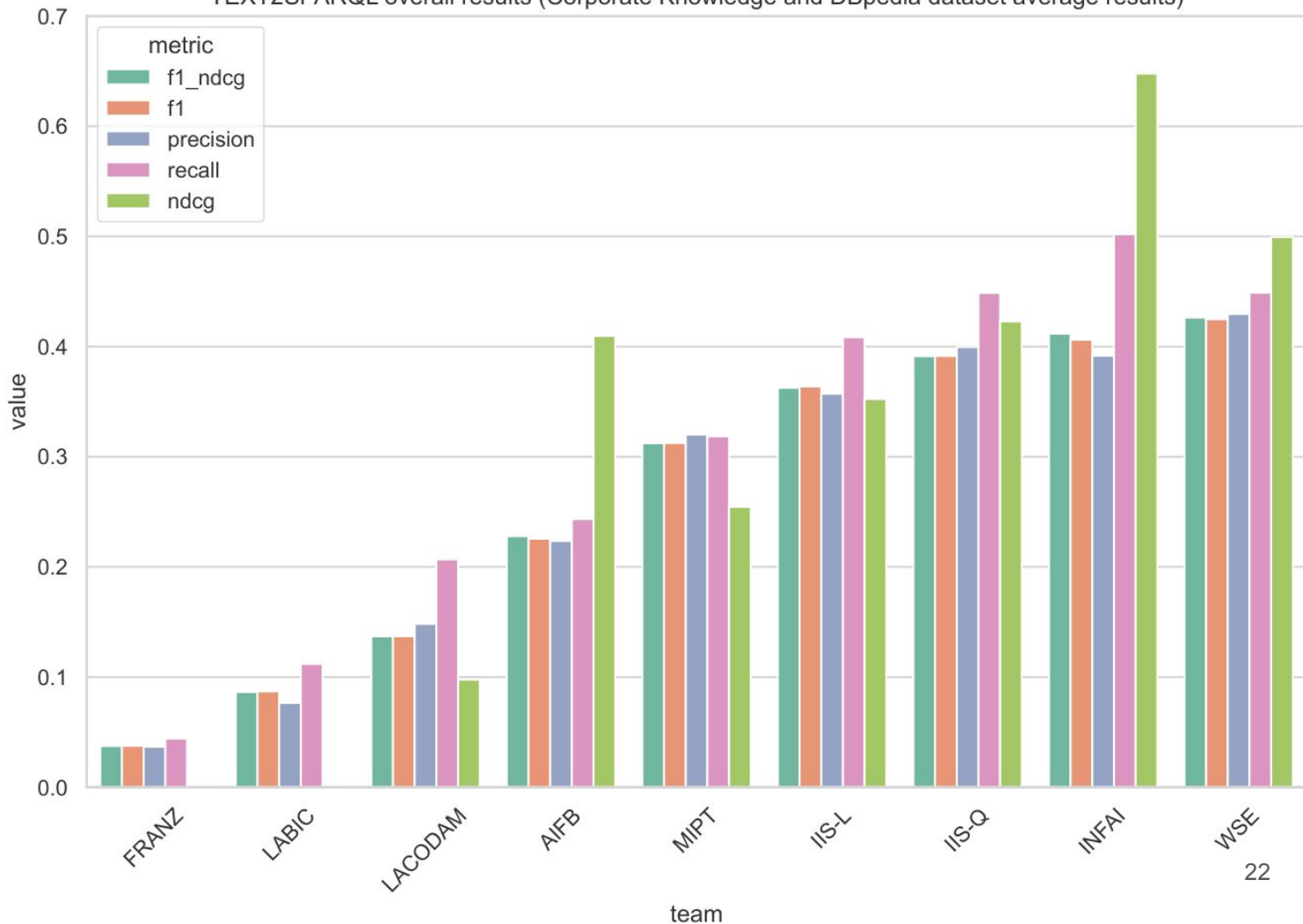
sorted



TEXT2SPARQL overall results (Corporate Knowledge and DBpedia dataset average results)

overall

sorted



Overall Winners



WSE: Aleksandr Perevalov, Andreas Both



INFAI: Daniel Gerber, Lorenz Bühmann, Lars-Peter Meyer,
Felix Brei, Claus Stadler



IIS-Q: Daniel Henselmann, Rene Dorsch, Andreas Harth

Feedback





KGSWC - 2025

Seventh International Knowledge Graph and Semantic Web Conference

HTWK, Leipzig, Germany, November 26-28, 2025

First International Text2SPARQL Challenge



Sebastian
Tramp



Edgard
Marx