SemTab 3.0: Semantic Web Challenge on Tabular Data to KG Matching

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27/10/2021 International Semantic Web Conference, Virtual
SemTab 3.0: Semantic Web Challenge on Tabular Data to KG Matching
SemTab Challenge Prizes

– Prizes sponsored by IBM Research
Applications Track Prize

– Honorary mention to GitTables

Madelon Hulsebos, Çağatay Demiralp and Paul Groth.

GitTables: A Large-Scale Corpus of Relational Tables

https://gittables.github.io/
Applications Track Prize

– Honorary mention to GitTables

Madelon Hulsebos, Çağatay Demiralp and Paul Groth. GitTables: A Large-Scale Corpus of Relational Tables. https://gittables.github.io/
Applications Track Prize

- **BiodivTab**: [https://github.com/fusion-jena/BiodivTab](https://github.com/fusion-jena/BiodivTab)
Accuracy Prize

– Honorary mention to Phuc Nguyen, Ikuya Yamada, Natthawut Kertkeidkachorn, Ryutaro Ichise and Hideaki Takeda.

SemTab 2021: Tabular Data Annotation with MTab Tool

https://github.com/phucty/mtab_tool
Accuracy Prize

- Honorary mention to **MTab**

Phuc Nguyen, Ikuya Yamada, Natthawut Kertkeidkachorn, Ryutaro Ichise and Hideaki Takeda.

**SemTab 2021: Tabular Data Annotation with MTab Tool.**

https://github.com/phucty/mtab_tool
Accuracy Track Prize

– **DAGOBAH**: Table and Graph Contexts For Efficient Semantic Annotation Of Tabular Data
Usability Prize

– DAGOBAH for the impressive GUI and framework.
– Viet-Phi Huynh, Jixiong Liu, Yoan Chabot, Frédéric Deuzé, Thomas Labbé, Pierre Monnin and Raphaël Troncy
– Magic for the lightweight app/GUI.
– Bram Steenwinckel, Filip De Turck and Femke Ongenae
– MantisTable for an end-to-end framework including StilTool for evaluation.
– Roberto Avogadro and Marco Cremaschi
Usability Prize

– Honorary mentions to DAGOBAH, Magic and MantisTable.

– DAGOBAH for the impressive GUI and framework.
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– Magic for the lightweight app/GUI.
  – Bram Steenwinckel, Filip De Turck and Femke Ongenae

– MantisTable for an end-to-end framework including StilTool for evaluation.
  – Roberto Avogadro and Marco Cremaschi
Usability Track (2nd Prize)

– **JenTab**: the only open-source participant with a friendly license
Usability Track (1st Prize)

– **MTab**: the mtab.app interface is the easiest to use overall
Conclusions

– SemTab targeted **3 KGs**: DBPedia, Wikidata and Schema.org
– **More dataset sources** this year (GitTables, BiodivTab, BioTables)
– The automatically generated datasets not challenging enough but a good baseline.
– **Tough tables** and **BiodivTab** are quite challenging
– **GitTables** very challenging.
  – Bring a new type of task combining CTA and CPA.
– **Usability** dimension considered for the SemTab 2021 prize.
Acknowledgements

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- CEUR WS Proceedings
Organisers

O. Hassanzadeh  J. Chen  V. Efthymiou  K. Srinivas  E. Jiménez-Ruiz  J. Sequeda

V. Cutrona  D. Oliveira  C. Pesquita  N. Abdelmageed  M. Hulsebos
Photo SemTab 2021

– Switch on your cameras!
Feedback and Discussion

– Comments on the rounds
– Proposals for next year?
  – New datasets/tasks
  – Systems as services
– **Extended discussion.** Poster sessions (wonder.me):
  – Today, Oct 27, 18:30-19:10 CET
  – Tomorrow, Oct 28, 15:00-15:30 CET