

Question Answering over Knowledge Graphs

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Introduction to Seminar on Selected Topics in Question Answering


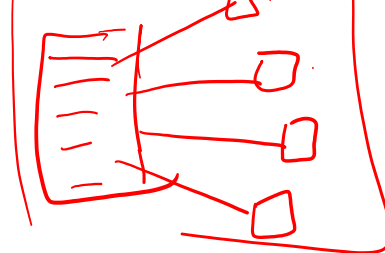

Saarland University, Winter Semester 2020/21

Lecture overview

- ✓ ■ Conversational QA
- ✓ ■ Insights and future directions
- Writing a good review
- Seminar logistics

Writing a good review

The publication pipeline

- Do new research ☺ 
- **Write** an article 
- Include references to useful articles 
- Communicate to publisher (conference/journal) ✓ CS
- Article is peer-reviewed (typically three) |
- Article is accepted or rejected for publication
- If accepted, the references contribute to citation counts of respective papers
- Review process is critical to advancement of scientific community!!

Writing a good review: Dos and don'ts

- Write in a structured manner (review form)
- Summary: Unbiased
 - Problem/motivation
 - Method
 - Evaluation
 - Do not copy from abstract – paraphrase!
 - Not we... but “The authors ...”
 - Show understanding of article in our own words

Writing a good review: Dos and don'ts

- Positives and negatives

- **Concise**

- **Reduce redundancy**

- Pinpoint to section, quote numbers from experiments

- Illustrate with examples

- Attention to detail → *typos, grammar, ... (not (hasty))*

- Passive, 3rd person, polite, impersonal tone

- Some but not too many first persons

- Constructive

Positives and negatives

- Focus areas

- Motivation

- **Method**

- ~~Evaluation~~

- Related work?

very well-written

does not cite highly relevant paper

- Stay objective (*I hate templates!*)

- Try to **position** paper properly: what is paper for?

- Look at the bigger picture: main advantages and disadvantages

Critical Thinking

$-\square-\square-?-$ \rightarrow $\begin{matrix} \text{top} \\ \text{left} \\ \text{right} \\ \text{bottom} \end{matrix}$ $60\% \rightarrow 40\%$

60% \rightarrow 40%

- *Be diplomatic but take a stand*

Seminar logistics


Overview

- 15 students in total
- Each student is assigned two full research papers on a specific topic
- Topic assignment will be communicated on 11 November 2020
- Everyone must write a short review on the papers assigned to them
- And make a presentation

Written review

- ■ Use review form
- Stick within 50-sentence limit in total for both papers
- Summary: 3-4 sentence (problem setup, method, evaluation results)
- At least three positives (3-5)
- At least three negatives (3-5)
- **Submit before 14:00 on day of presentation**
- **By email to me and Magdalena with review as attachment (not inline)**
- **Subject: Review for 2020-stqa**

Oral presentation

- 
- 20 minutes' talk (you present paper details)
 - 10 minutes' QA (we ask clarifications + other questions on the paper; read paper carefully)
 - Total 30 minutes per student
 - 3-4 students each week
 - ~~Spread~~ over four weeks
 - 24.11, 01.12, 08.12, 15.12
 - Volunteers for 17.11 also welcome ☺

Oral presentation

- 20 minutes' talk = 10 minutes per paper *→ sharp → rehearse you talk*
- Structure for each paper (about 5-7 slides)
 - Motivation
 - Method
 - Evaluation
 - Setup: Benchmarks, metrics, baselines, ...
 - Results: Main results, interesting analysis *cherry pick*
 - Summary
- Students are encouraged to attend each others' presentations, but this is not mandatory

*make your own slides
don't copy tables / fig.
screenshots*

Final details

Other questions?

- We will assign papers and dates, students can swap as per mutual convenience
- All presentations via Zoom *online*
- Consent form needed before exam
- Review and presentation graded separately, later aggregated
- Absolute grading (relative if necessary)
- Grades released and sent to exam office (approximately) on 16.12
- Have fun 😊

*Thank
you*