



IT Systems Engineering | Universität Potsdam

Question Answering Systems

Topics and Schedule

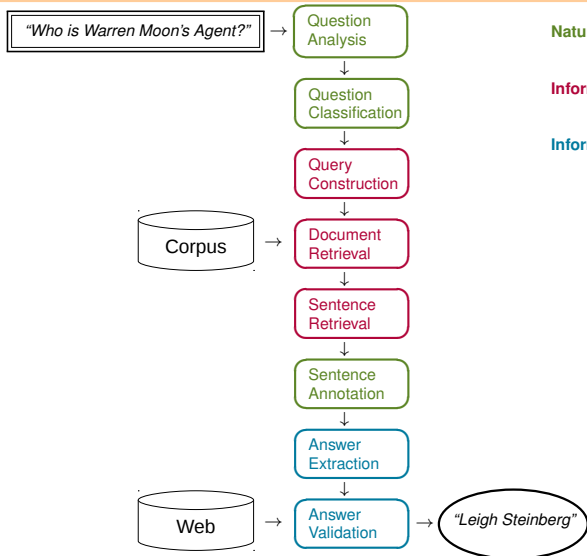
Potsdam, Germany, 24 October 2011

Saeedeh Momtazi

Information Systems Group

Architecture

2



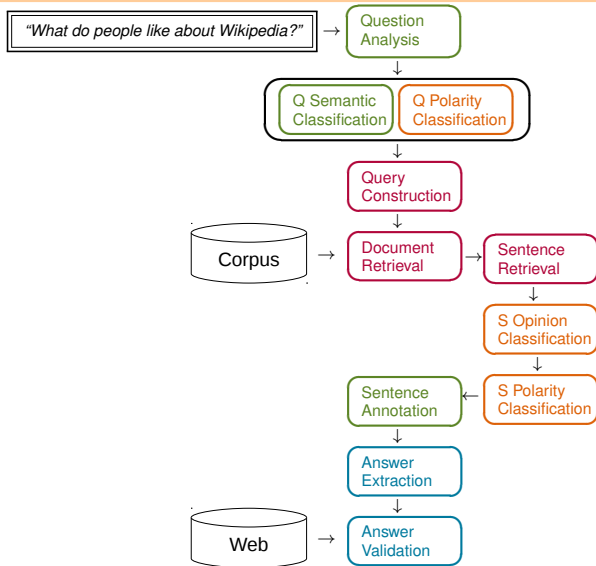
Natural Language Processing

Information Retrieval

Information Extraction

Architecture

3



Natural Language Processing

Information Retrieval

Information Extraction

Opinion Mining

Topics

4

Question
Analysis

Question
Classification

Query
Construction

Document
Retrieval

Sentence
Retrieval

S Opinion
Classification

S Polarity
Classification

Sentence
Annotation

Answer
Extraction

Answer
Validation

Topics

4

Question
Analysis

Oliver Richter

Question
Classification

Sebastian Koelle

Query
Construction

Marian Gawron

Document
Retrieval

Gary Yao

Sentence
Retrieval

Patrick Schulze & Philipp Langer

S Opinion
Classification

S Polarity
Classification

Nils Rethmeier

Sentence
Annotation

Cindy Faehnrich & Stefan Klauck & Sebastian Oergel

Answer
Extraction

MinhTuan Nguyen

Answer
Validation

Matthias Kohnen

Schedule

5

- Each Session (90 min)
 - First Slot (30 min):
 - Presentation (20-25 min)
 - Discussion (5-10 min)
 - Second Slot (30 min):
 - Presentation (20-25 min)
 - Discussion (5-10 min)
 - Third Slot (30 min):
 - Discussion and questions about “Who Wants to be a Millionaire?”

Further Information

6

■ Course Web Page:

http://www.hpi.uni-potsdam.de/naumann/teaching/ws_1112/question_answering.html

■ Course Mailing list:

QuestionAnswering2011@hpi.uni-potsdam.de

■ Next Sessions:

- 31.10.2011 Holiday
- 07.11.2011 No Seminar
- 14.11.2011 Unusual Date (17.11.)
- 21.11. - 19.12.2011 Regular Slots (5 Weeks)

Presentations

7

| | |
|--|--------|
| Answer Validation | 17.11. |
| Sentence Annotation: Named Entity Annotation | 17.11. |
| Sentence Annotation: Dependency Parsing | 21.11. |
| Sentence Annotation: Semantic Role Labeling | 21.11. |
| Question Analysis | 28.11. |
| Question Classification | 28.11. |
| Query Construction | 05.12. |
| Document Retrieval | 05.12. |
| Sentence Retrieval: Sentences vs. Documents | 12.12. |
| Sentence Retrieval: Word Relationship in SR | 12.12. |
| Answer Extraction | 19.12. |
| Opinion and Polarity Classification | 19.12. |

Discussion

8

Who Wants to be a Millionaire?



Tasks

- Overall system pipeline: Sebastian Koelle
- Baseline, Section 4.1: Sebastian Kueller & Nils Rethmeier
- Baseline, Section 4.2: Patrick Schulze & Nils Rethmeier
- Dataset: Stefan Klauck