

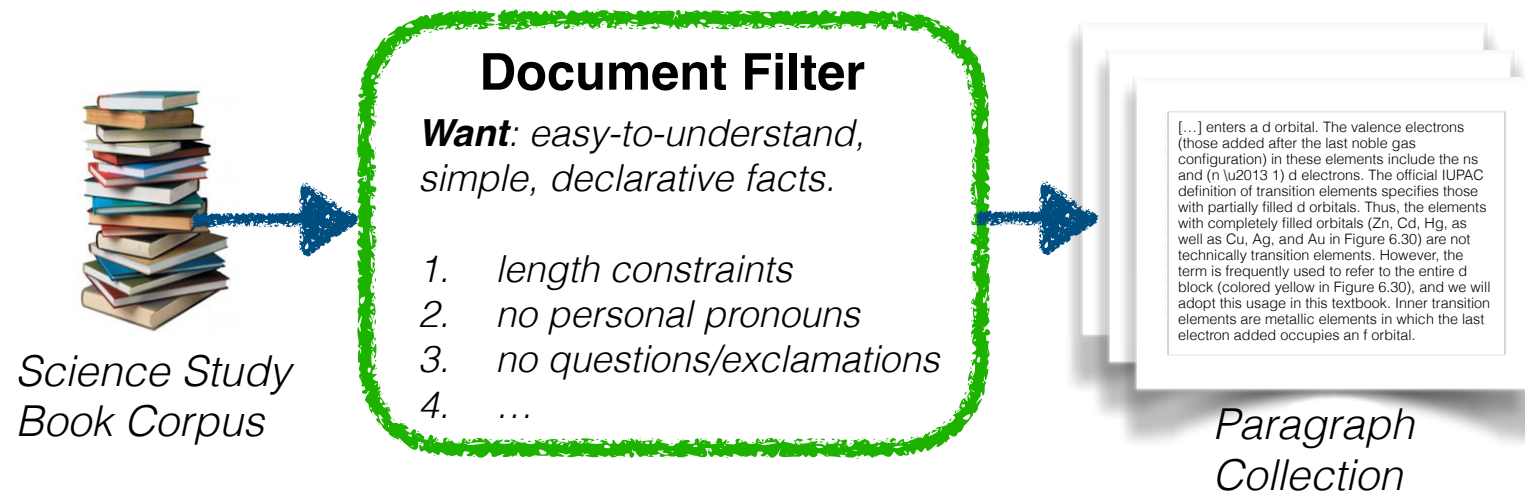
Crowdsourcing Multiple Choice Science Questions

Johannes Welbl, Nelson F. Liu, Matt Gardner

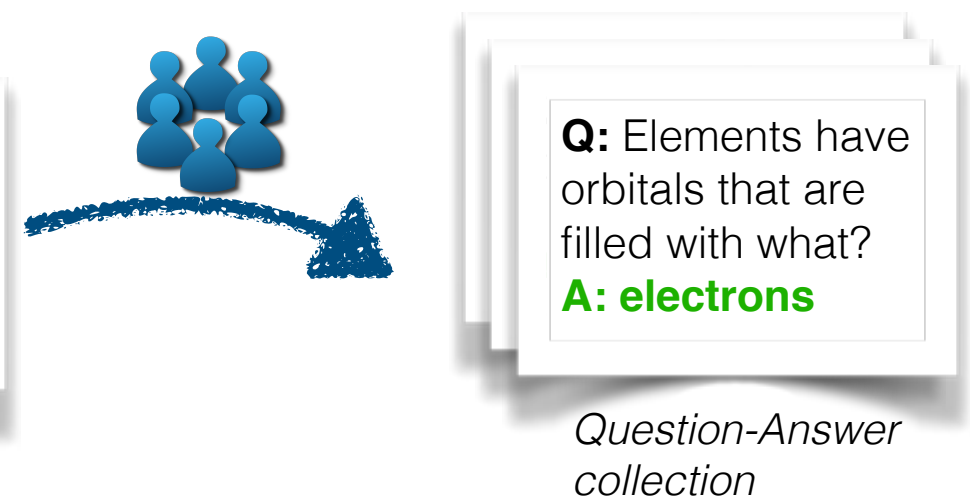
University College London, University of Washington, Allen Institute for Artificial Intelligence

j.welbl@cs.ucl.ac.uk, nfliu@cs.washington.edu, mattg@allenai.org

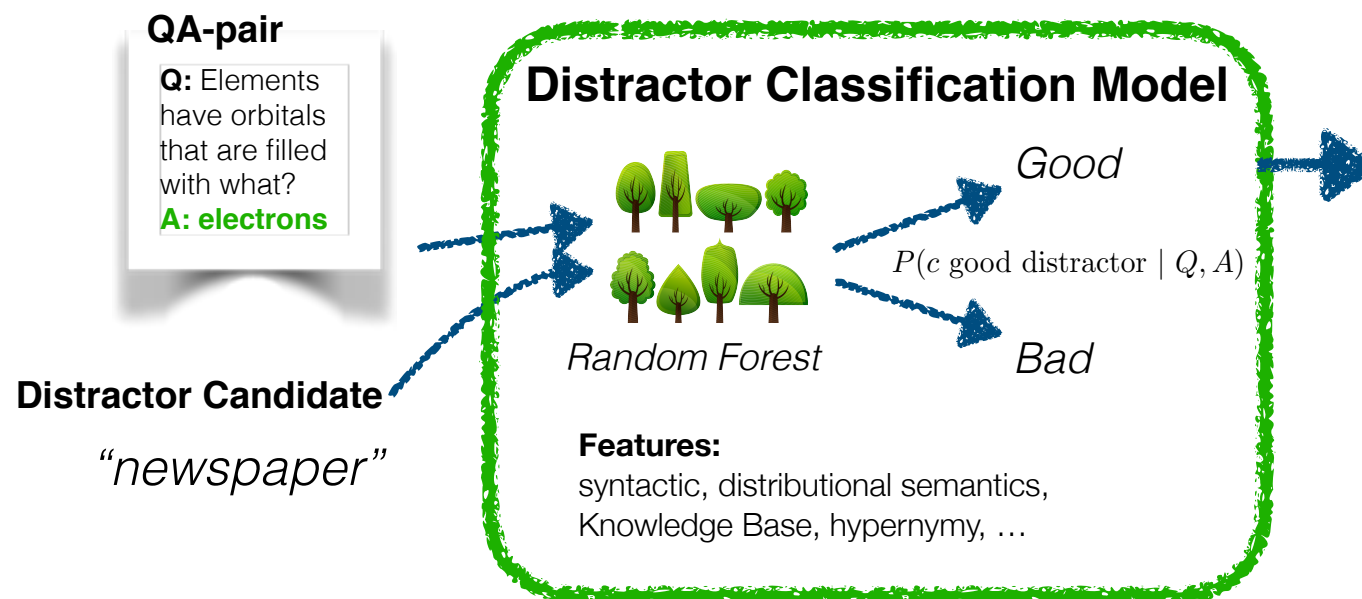
Stage 1: Corpus to Paragraph



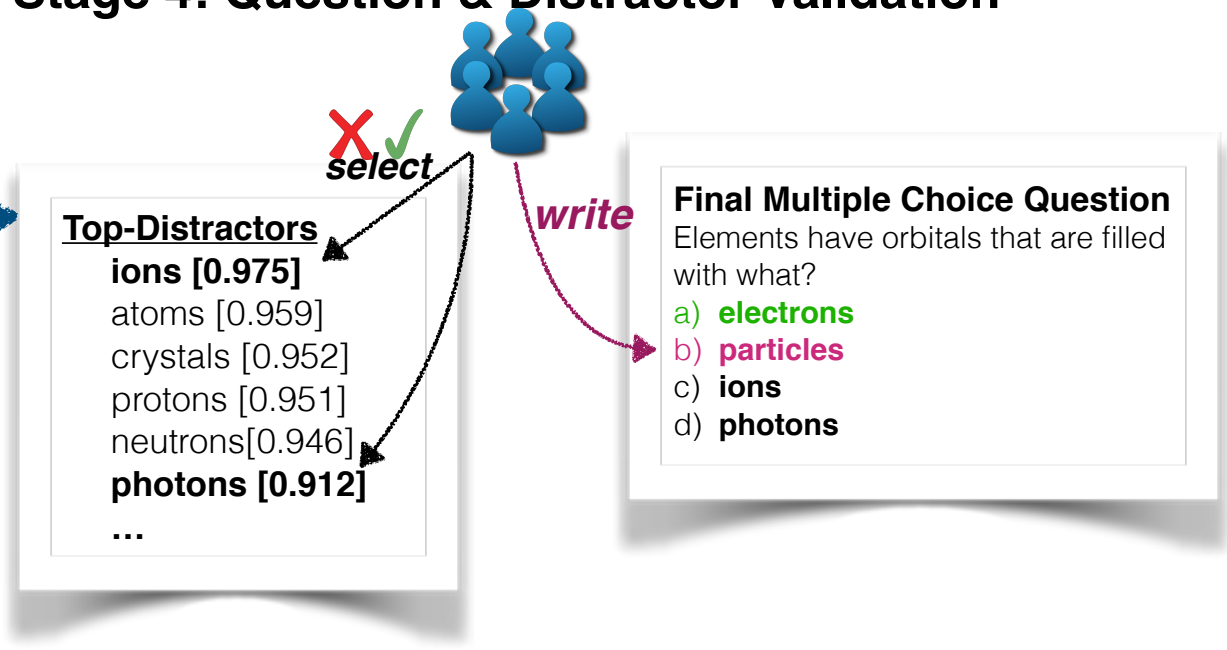
Stage 2: Crowdsourced Question Creation



Stage 3: Multiple Choice Distractor Proposal



Stage 4: Question & Distractor Validation



Desirable Distractors: Characteristics

- syntactically consistent (e.g. plural noun)
- relevant / on-topic (here: atom models)
- type constraints (e.g. chem. element)

Outcome: SciQ

13.7K crowdsourced multiple choice science exam questions

<http://data.allenai.org/sciq/#sciq-dataset>