What is the problem?
• An interest in developing systems that can simulate the kind of inferences humans are able to immediately gather from a description of events to improve search quality
• The data used to test these systems has been artificially generated
• The artificial data does not contain textual entailments which are what the systems are meant to detect
• Using artificial data that does not contain textual entailments leaves these systems inaccurate

What is a Textual Entailment?
• Two sentences in a relationship, where one sentence “assumes” or entails the content of another sentence

What is a “Master Recap”?
• A recap selected from a set recaps which summarize a single episode
• Consists of only event description with little to no opinion
• The most detailed

Why have a “Master Recap”?
• To have a consistent reference of the timeline of events for each episode
• To simplify the process of event association of events between all recaps of the same episode
• To regulate the system of association of events between all recaps of the same episode
• To account for all events that take place in an episode whether it is mentioned in one recap or many

Previous Research
• Surveyed TV recaps of the popular show Breaking Bad to find naturally occurring entailments
• No entailments were found from the “raw” data, the sentences were too complex
• Prompted need for a modification process

Current Goals
• Construct a data set that consists of entailments that are found in the world that are naturally generated
• See to what extent the hidden inferences in one text are explicitly mentioned in another
• Explore how this annotation guide could be implemented with crowdsourced annotators

Developing a Corpus
• Select a “Master Recap” for each episode of Game of Thrones, from the collection of recaps compiled
• 60 total “Master Recaps”, Season 1-6 of Game of Thrones
• Instructions on how to Timeline course of events described in the “Master Recap”
• Must distinguish what constitutes as an “event”
• An “event” was considered a distinct action determined by a change in location, change of characters, or level of importance
• Every “Master Recap” was split into events based on the order in which they appeared in the Master Recap
• Each event is assigned a number
• For all episodes there is a set of recaps and one “master recap”
• Each recap in the set is compared to the “master” recap
• Via Mechanical Turk the events in other recaps are matched to event number in the “Master Recap”

The “Master Recap”
60 Total Episodes
60 Master Recaps
1,026 Total Recaps
6 Seasons of Game of Thrones

Interactive Task
• Please feel welcome to try out the current stage of research

Current Phase of Research
• We are now in the phase of “Annotating Corresponding Recaps”
• This phase requires all 1,026 recaps to be annotated according to the corresponding “master recap”
• Events of the same number from different recap sources will be compiled and sentences containing entailment relationships will be extracted

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