

Extracting and Summarizing Events and Opinions in Text

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This talk will overview our research into text extraction of facts, entities, and relations associated with events, as well as rich information about the opinions being expressed about them. (Whose opinions are being expressed? How intense are they? Are the opinions positive or negative?) We will perform within- and cross-document coreference resolution, and combine the information extracted from one or more documents into query-able graph-based summaries. To perform these tasks, we will develop rich linguistic resources, such as semantic and sentiment lexicons, and employ bootstrapping and weakly supervised learning techniques to produce Information and Opinion Extraction systems that can be rapidly retrained for new domains without requiring large amounts of special training resources.