

## > Overview

- **Task**: given a <u>title</u>, we aim to automatically generate a paper <u>abstract</u>.
- Motivation 1: a scientific paper abstract should focused on the topics specified in the title. – Seq2seq with Attention
- Motivation 2: human writers usually start with a draft and keep polishing and revising it. -Writing-Editing with Attentive Revision Gate

"It is perfectly okay to write garbage — as long as you **edit** brilliantly."

- by C. J. Cherryh

### > Example

- **Title:** An effective method of using **Web** based **information Relation Extraction**<sup>[1]</sup>
- associations. We observe a statistically significant boost in relation extraction performance.

# Rensselaer Paper Abstract Writing through Editing Mechanism

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guide as a source of information for the topic detection and classification can be applied, but often fail at improving the performance by combining relations and previous methods. In this method, the co-occurrence counts and the occurrences of each relation are not statistically significant, but also that it is possible to contribute to entity relations with a term in a variety of topics. Final draft: In this paper we focus on the task of identifying the most commonly relevant features of Web documents. In particular, we propose a generic, automated IE algorithm that can be applied to a large collection of Web pages containing full large documents. This is a first step in helping a wide range of collaborative works for relation extraction. We show that it is possible to eliminate a good number of errors in relation extraction from a variety of documents, but that it is difficult to define a problem of term extraction.



## Remaining Challenges

 Lack knowledge of deep connections among scientific knowledge elements • Lack specification, conciseness Lack common sense knowledge Lack logical coherence

