

Proposition Knowledge Graphs



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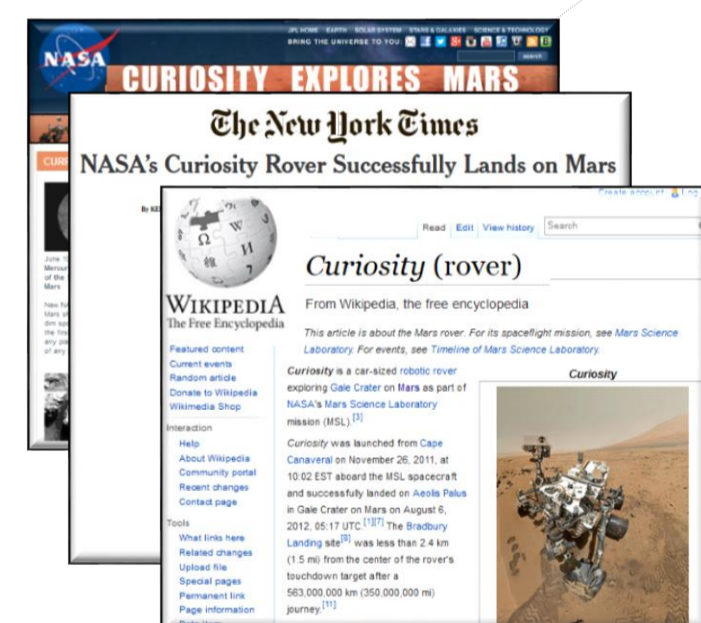
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Natural Language Texts

Multi-Sentence Representation

Single-Sentence Representation



Curiosity is a rover.

entailment

NASA utilizes the Mars rover, Curiosity, to examine rock samples from Mars

NASA uses Curiosity rover, to take a closer look at rock samples found on Mars

temporal

Curiosity successfully landed on Mars.

Predicate: **utilize**
Subject: **NASA**
Object: **the Mars rover**
Comp: **examine**

Predicate: **examine**
Subject: **the Mars rover**
Object: **rock samples**

rock samples
Modifier: **from Mars**

Embeds Semantic Links

- Entailment
- Temporal
- Causal

Extends Open IE

- Rich Representation
- Inner structure
- Implied Propositions