

Introduction to NTCIR-11 RITE-VAL Task

(Recognizing Inference in **Text** and **Validation**)



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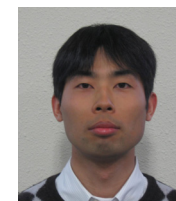
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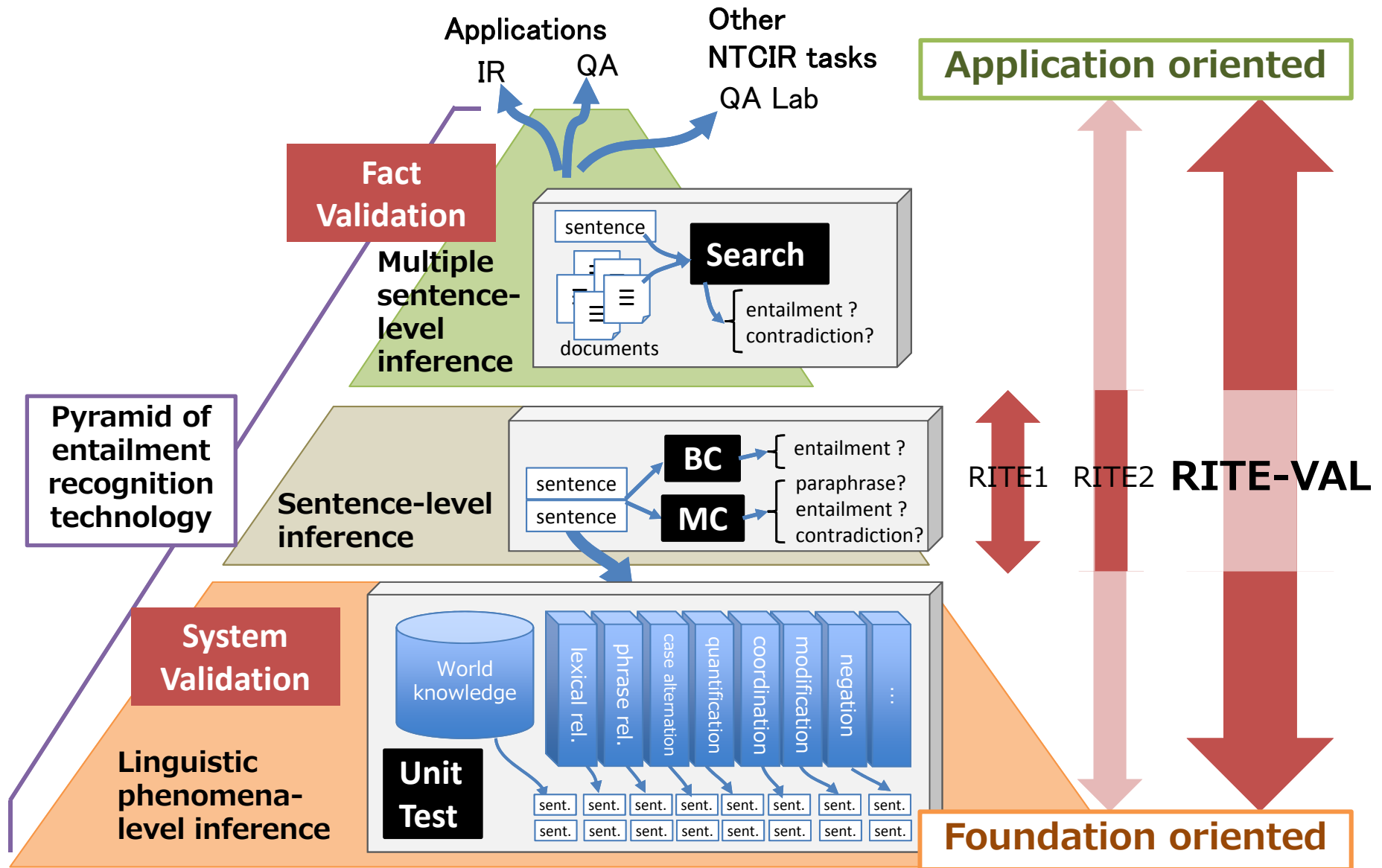
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Overview of RITE-VAL

- RITE is a benchmark task for automatically detecting the following semantic relations between two sentences:
 - entailment, paraphrase and contradiction.
- Given a text t_1 , can a computer infer that a hypothesis t_2 is most likely true (i.e., t_1 entails t_2) ?
 - t_1 : Yasunari Kawabata won the Nobel Prize in Literature for his novel “Snow Country.”
 - t_2 : Yasunari Kawabata is the writer of “Snow Country.”
- Target languages:
 - Japanese, Simplified Chinese, Traditional Chinese, and English.

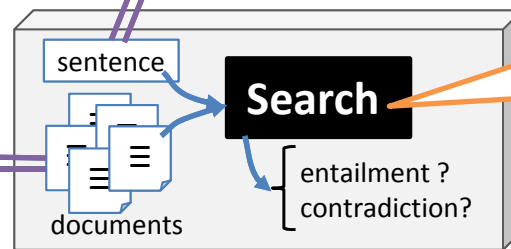
RITE-VAL Subtasks



Main two tasks of RITE-VAL

Fact Validation

t_2 : *The Kamakura Shogunate began in Japan in the 12th century.*



Search for evidence or counter-evidence for t_2 .

Docs entail t_2 .

Docs contradict t_2 .

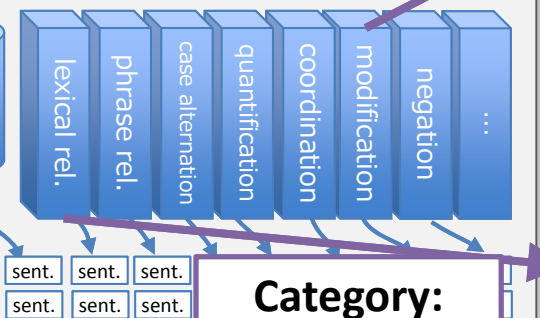
System Validation

Category: **modification**

t_1 : *In the Meiji Constitution, legal clear distinction between the Imperial Family and Japan had been allowed.*

t_2 : *In the Meiji Constitution, distinction between the Imperial Family and Japan had been allowed.*

Unit Test



Category: **meronymy**

t_1 : *In the Meiji Constitution, distinction between the Imperial Family and Japan had been allowed.*

t_2 : *In the Meiji Constitution, distinction between the Emperor and Japan had been allowed.*

Why you should participate

- Products from RITE-VAL can benefit various research fields in NLP (not limited to recognizing textual entailment!).
 - **Core technologies:** Semantic processing, Lexical knowledge acquisition, Machine learning, etc.
 - **Applications:** Information retrieval, Question answering, Document summarization, etc.
- We welcome a wide variety of participants from all over the world.
 - From undergraduate students to industry researchers.
 - **Resource pool**, which we have built since NTCIR-10 RITE-2, will help you make a prototype system quickly.
 - Adding a new resource or tool to the pool is welcomed.
- Website: <https://sites.google.com/site/ntcir11riteval/>