# Next RITE task:

# **RITE-VAL**

### **Recognizing Inference in TExt and Validation**

#### Organizers

- Yotaro Watanabe (Tohoku University)
- Yusuke Miyao (NII)
- Suguru Matsuyoshi (Yamanashi University)
- Tomohide Shibata (Kyoto University)
- Junta Mizuno (NICT)
- Teruko Mitamura (CMU)
- Chuan-Jie Lin (National Taiwan Ocean University)
- Cheng-Wei Shih (Academia Sinica)



# **Fact Validation in RITE-VAL**



t<sub>2</sub>: *The Kamakura Shogunate began in Japan in the 12<sup>th</sup> century.* 

Is the statement represented in the sentence fact?

# **Fact Validation in RITE-VAL**

#### Motivation

- There were few participants in the Exam Search subtask (has not yet been explored enough)
- > Applications: Detecting false rumors, QA, etc.

#### Language Scope

Japanese, Traditional/Simplified Chinese and English

#### • Task definition (provisional)

- t2s and a set of documents are given
- Systems are required to validate whether the statements described in t2s are fact, counter-fact or unknown by searching a set of documents

#### Evaluation

Accuracy on semantic labels (fact, counter-fact, unknown)

# **UnitTest in RITE-VAL**

t<sub>1</sub>: In the Meiji Constitution, <u>legal clear distinction</u> between the Imperial Family and Japan had been allowed. Category: modifier
t<sub>2</sub>: In the Meiji Constitution, <u>distinction</u> between the Imperial Family and Japan had been allowed.

*t*<sub>1</sub>: In the Meiji Constitution, distinction between <u>the Imperial Family</u> and Japan had been allowed. **Category: melonymy** 

*t<sub>2</sub>: In the Meiji Constitution, distinction between <u>the Emperor</u> and Japan had been allowed* 

#### Motivation

- Evaluate how systems can handle linguistic phenomena that affects entailment relations
- The UnitTest data used in RITE-2 was not enough (less than 1000 examples)
- Encourages participants to improve RITE systems

#### Language scope

Japanese, Simplified Chinese and Traditional Chinese

# Summary

#### • RITE-VAL

Recognizing Inference in TExt for Validation

#### • Main tasks

- Fact Validation
  - Recognize whether a statement represented in a sentence is fact, counter-fact or unknown

#### UnitTest

Develop large-scale data set to encourage participants to improve RITE systems

#### Thank you!