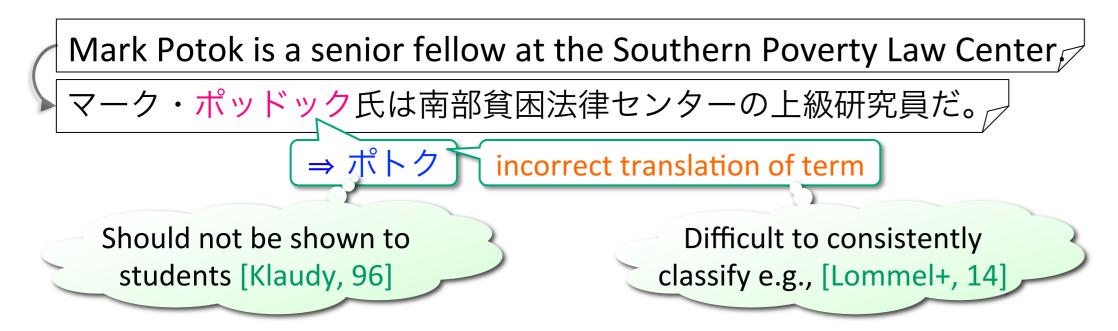
Consistent Classification of Translation Revisions: A Case Study of English-Japanese Student Translations

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1. Quality Assessment of Student Translations

Step 1. Identify erroneous or deficient text spans and suggest a revision proposal for reasoning

Step 2. Classify each issue into an abstract issue type

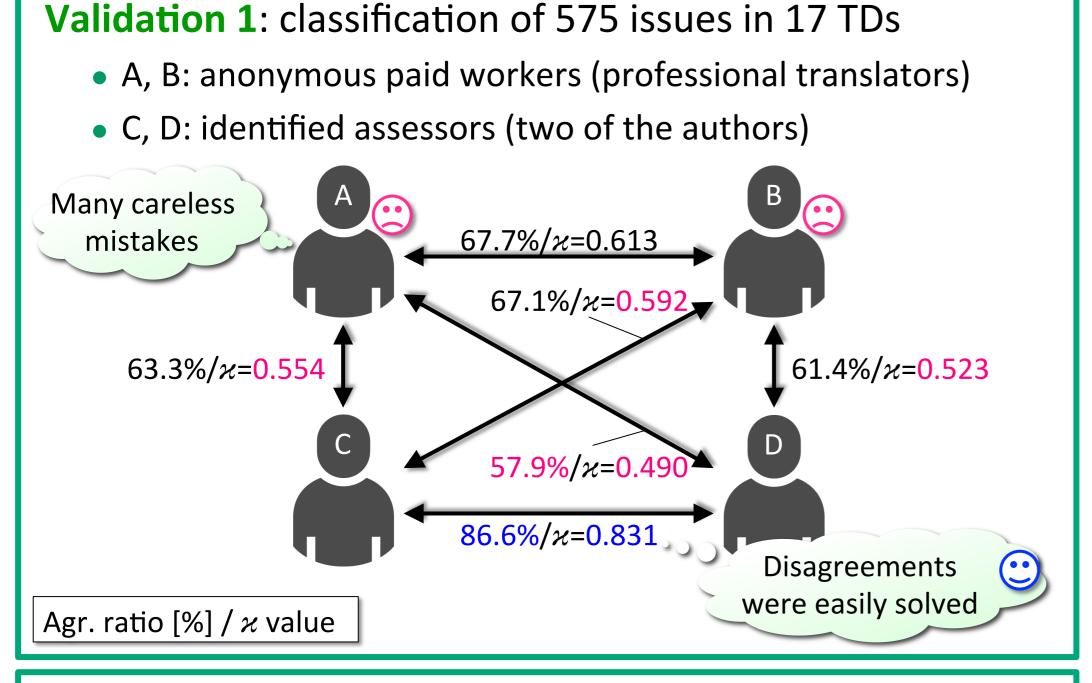


2. Development of an Issue Classification Scheme

- Our objective
 - High consistency to guarantee better learning performance
 - Wide applicability for translation studies from various aspects
 - Radically different language pairs, e.g.,. English & Japanese
 - Different levels of learners: undergrad. vs. graduate students
- Iterative refinement of the MNT-TT typology [Babych+, 12] using the OntoNotes method [Hovy+, 06]
 - > Step 1. Annotate issues in the given 3 SD/TD pairs
 - **Step 2.** Terminate the iteration if the agreement ratio >= 90%
 - Step 3. Discuss the factor of consistent decision making
 - Step 4. Update the issue typology & decision tree

3. Notably High Inter-assessor Agreement

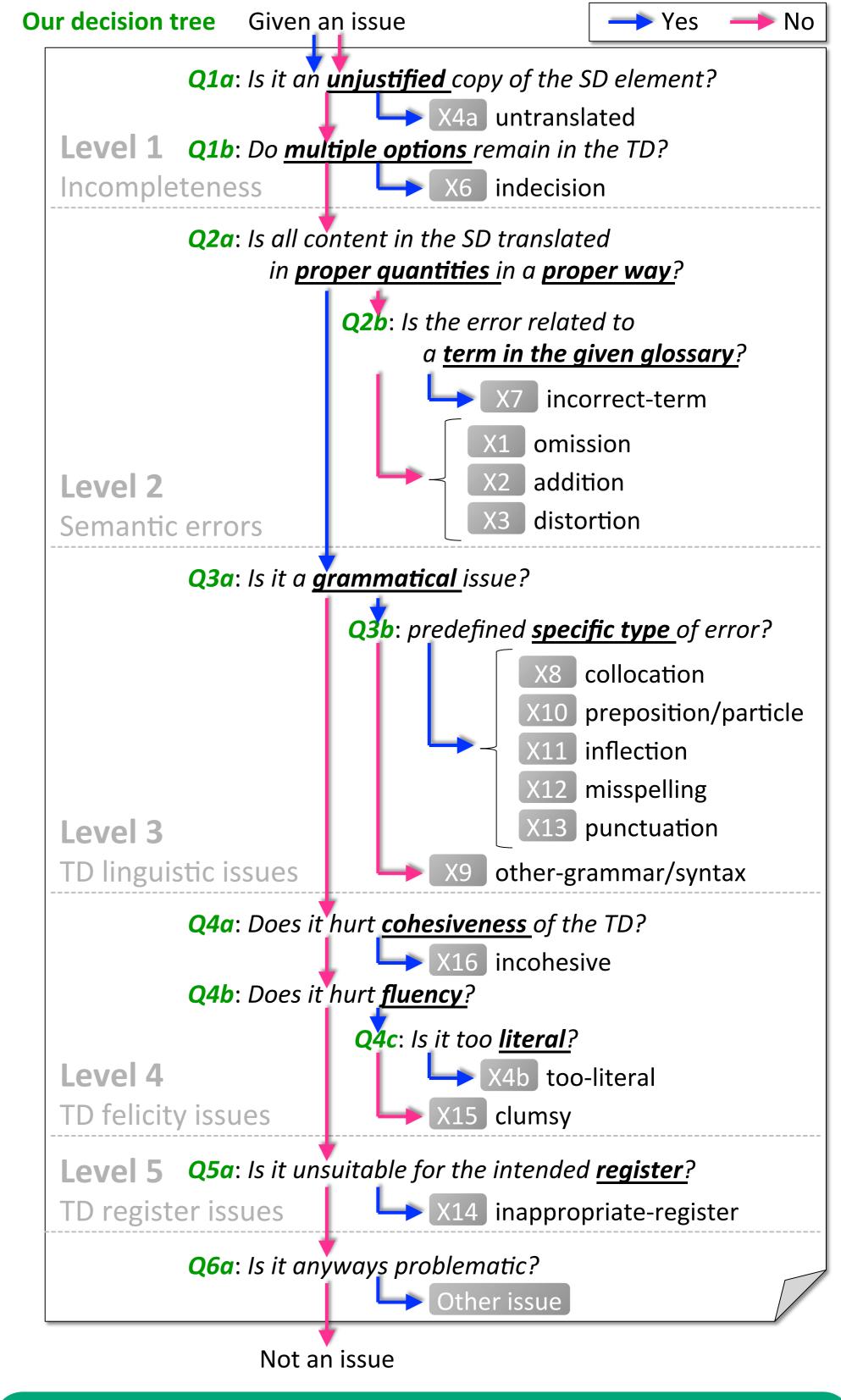
- Using our carefully designed scheme
- Given faithful & careful annotation



Validation 2: assessment of 10 TDs from scratch D: same as in validation 1 → 561 issues E: undergraduate learner translator → 406 issues 340 identical text spans with similar revision proposals Different levels of sensitivity Much higher than involving anonymous paid workers Understandable by an actual learner

Summary of this work

- Quality assessment of human-produced translations
- Development of issue typology & decision tree
 - For assessing English-Japanese student translations
 - Using the OntoNotes method
- High consistency of issue classification
- Installation into a translation exercise course in a university



4. Application to a Translation Course at a University

As a means of feedback for assignments

