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### Background & research goal (2/2)

### Research goal

Investigating the characteristics of causal relation expressions in text

### To do this,

- We created a corpus tagged with causal relation information.
- We used Japanese text.

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- Corpus construction

### Investigation

Suggestion for developing knowledge acquisition methods for causal relation





- BP

















- Background & research goal
- Corpus construction
- Investigation



- Background & research goal
- Corpus construction

#### Investigation

- Summary of our corpus
- Point 1: Cue phrase markers
- Point 2: Syntactic categories
- Point 3: The positions of events



Summary of our corpus (2/2)			
Inter-annotator agreement			
	#agreement	necessity	chance
no- agreement {	one (A, B, C)	1253( <b>0.64</b> )	997( <b>0.76</b> )
agreement {	two (AB,BC,AC)	429( <b>0.22</b> )	250( <b>0.19</b> )
	three (ABC)	270( <b>0.14</b> )	64( <b>0.05</b> )
l	two & three	699( <b>0.36</b> )	314( <b>0.24</b> )





















## Summary

- We constructed a Japanese corpus tagged with causal relation information.
- Using this corpus, we investigated the characteristics of causal relation expressions from some viewpoints.
- We obtain some useful suggestions for developing knowledge acquisition methods for causal relation.

Thank you!