

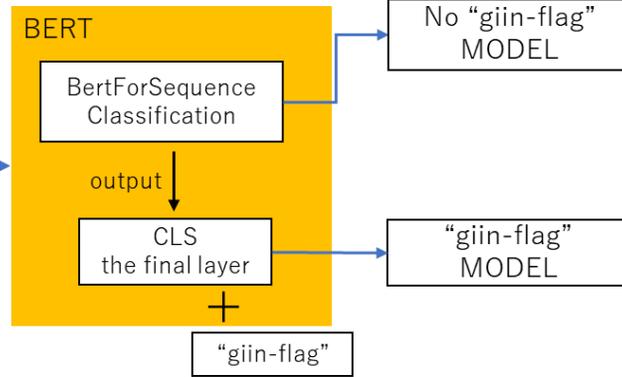
fuyus at the NTCIR-16 QA Lab-PoliInfo-3 Budget Argument Mining Subtask (Daigo Nishihara, Hokuto Ototake and Kenji Yoshimura : Fukuoka University)

ArgumentClass

After division

国民健康保険加入者は退職者など高齢者が増え、3割を占めており、また、非課税所得者が約5割、所得割保険料を負担する世帯の約7割が所得額200万円以下となっていることから、所得割負担者の負担がより重くなる構造になっています、消費税が引き上げられ、生活は一段と苦しくなっていて中で、年間2,000円の負担増は重く、保険料値上げには賛同できません。今回の財政調整基金設置の背景にある国の法定外繰入れ削減強要による被保険者への負担増は認めることはできません。

Examples of delimiters and target sentences



- Models were created in BERT.
- Learning the argument labels attached to each monetary expression as labels for the corresponding sentence.
- Labels may be judged depending on the speaker's position.
- Added the flag indicating whether a speaker is a legislator or not ("giin-flag").

RESULTS and CONSIDERATION

	No "giin-flag"		
	local	diet	all
score	23.91%	0%	23.40%
argumentClass	59.56%	38.46%	56.92%
relatedID	34.78%	0%	34.04%

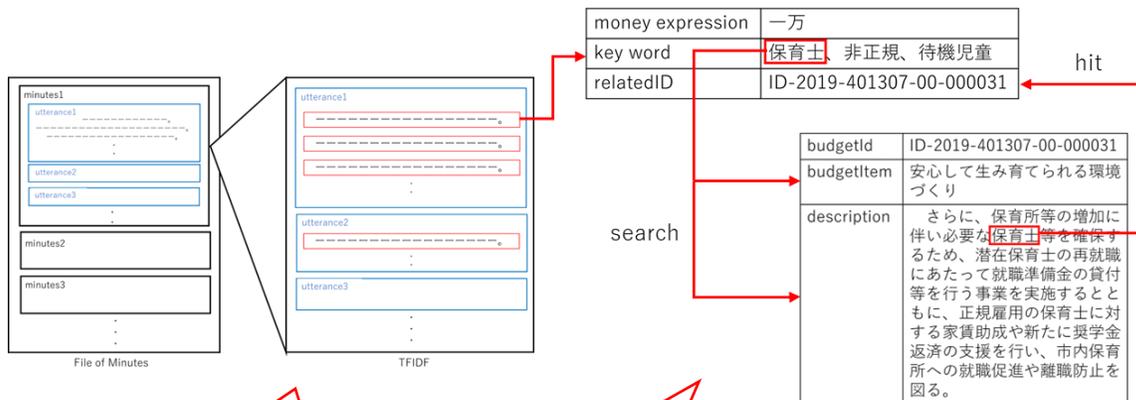
	"giin-flag"		
	local	diet	all
score	23.91%	0%	23.40%
argumentClass	55.38%	41.54%	53.65%
relatedID	34.78%	0%	34.04%

- There was **little difference** in the results with and without the "giin-flag".
- Causes of low scores for RelatedID.

Cause :

- Words in the assembly minutes do not appear in the budget item.
- Sometimes the TFIDF values of words we can judge to be keywords are not high, or words cannot be extracted.

RelatedID



Scope of TFIDF

Examples of how to find budget items

- Assigning using key word extraction with TFIDF.
- Candidate key words are nouns, not numerals, with at least three letters.
- We use "SudachiPy" for word segmentation.
- The words with the highest TFIDF value in the sentence are looked at in order.
- The budget items to look for are looked at from the youngest number in the budgetId.