

A Corpus for Suggestion Mining of German Peer Feedback

From Insight ...

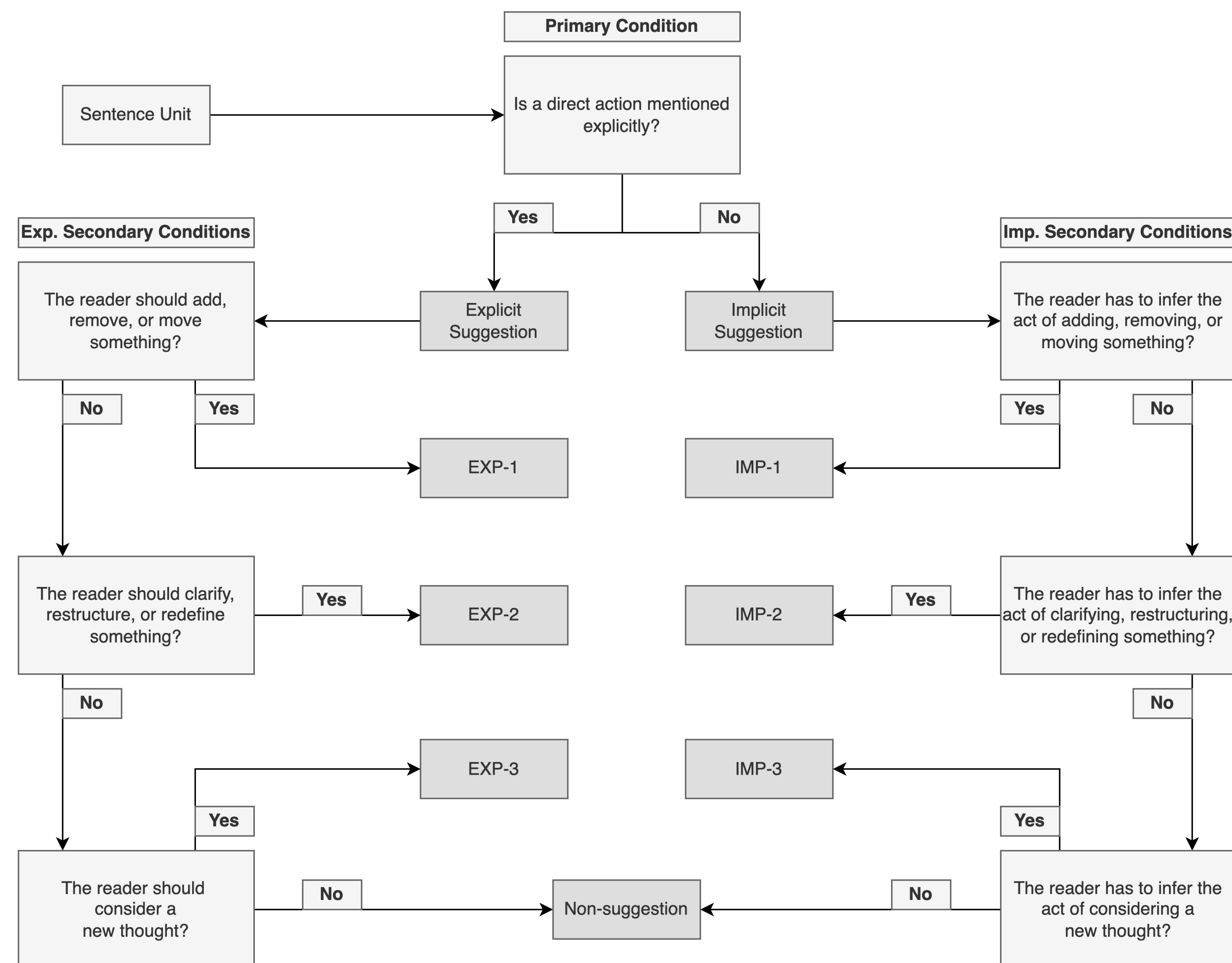


Peer Feedback



What is helpful feedback?

Including suggestions on how to improve ones work!



... to Impact

Number of documents	617
Number of sentences	7,488
Number of tokens	747,680
Number of words	108,496
Avg. no. of sentences per document	12.14
Avg. no. of words per document	175.84
Avg. no. of words per sentence	14.49
Avg. no. of tokens per word	6.89

PLM	Architecture	Details	Corpora	Accuracy	Weighted F1-Score
German BERT (bert-base-german-cased)	BERT	12-layer, 768-hidden states, 12-attention heads, 110M parameters	German Wikipedia, OpenLegalData, News Articles	66.36%	65.88%
German BERT large (gbert-large)	BERT	24-layer, 1024 hidden states, 16 attention heads, 335M parameters	German OSCAR corpus, OPUS project, German Wikipedia, OpenLegal-Data	73.56%	73.07%
distilbert-base-german-cased	DistilBERT	6-layer, 768-hidden, 12-heads, 66M parameters	Wikipedia, EU Bookshop corpus, Open Subtitles, Common-Crawl, ParaCrawl, News Crawl	62.08%	60.13%
xlm-mlm-ende-1024	XLM	6-layer, 1024-hidden, 8-heads	English and German Wikipedia	50.60%	46.88%

	Precision	Recall	F1
EXP-1	75%	78%	77%
EXP-2	64%	77%	70%
EXP-3	69%	67%	68%
IMP-1	52%	46%	49%
IMP-2	78%	74%	76%
IMP-3	59%	58%	58%
ILLU	74%	68%	71%
JUST	60%	67%	64%
SUMM	56%	45%	50%
APPR	96%	94%	95%