

xTitle

proposition & coherence in :schizophrenia: threads

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subject

Reference marking, coherence and information structure in schizophrenia language.¹

background

Inspired by Zimmerer et alii (#REF) we are interested in observations concerning coherence and propositional conditions in schizophrenia language, as these linguistic markers appear underinvestigated in research while they seem to play a crucial role within target group language. (As such seen as asset of thinking or world building capacity which might suffer from linguistic deficits within the range of positive symptoms.)

method

To compute distances we queried a corpus for matching conditions where certain (assumed) determiners appear before similar nouns. This distance should give us information structural evidence of how strong these noun occurrences are connected, i.e. if a noun appears out of the blue mostly or if it somewhere before has been introduced to the audience. In information structure definitions this would be termed with **given and new information** Prince (1981#REF).

¹snc.1:h2.pb.1000char/pg.queries

questions

Measuring the referent-reference distance which we here assume as indicator of coherence we hope to find empirical evidence for disturbed or not world building capabilities within schizophrenia language.

daten

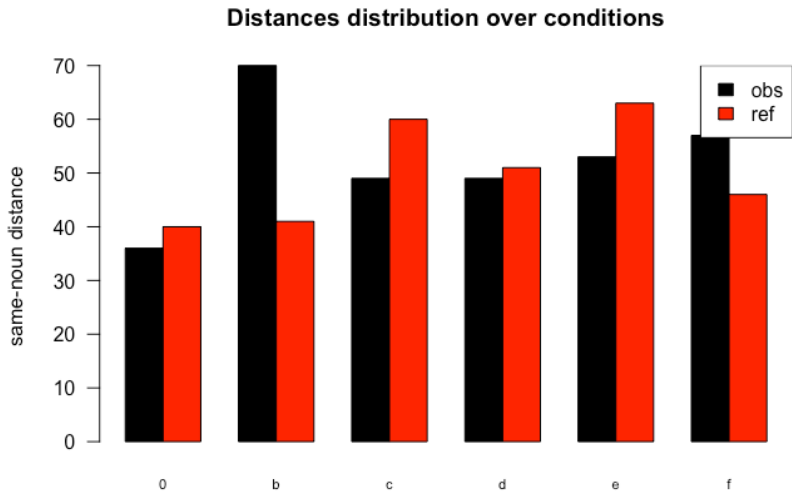
We built a corpus of the reddit r/schizophrenia thread (n=747089 tokens) and a reference corpus of r/unpopularopinion (n=265670). The corpus has been pos-tagged using the R udpipe:: package #REF which tags according to the universal dependencies tagset maintained by #REF. Still the 747089 tokens can only, with the workflow of growing the corpus and devising the noun distances developed be just a starting point from where with more datapoints statistical evaluation becomes relevant first.

conditions/queries

```
## {"a":{"token":["#intercept"]},"b":{"token":["this","that","these","those"]},"c":{"token":["the"]},"d":{"token":["a","an","some","any"]},"e":{"token":["my"]},"f":{"token":["your","their","his","her"]}}
```

results

##	q	dist	range	corp	corp_size	m	m_rel
## 1	a	36	446.0	obs	747089	747089	1.00000
## 2	b	70	1451.0	obs	747089	11415	0.01528
## 3	c	49	807.0	obs	747089	12516	0.01675
## 4	d	49	834.0	obs	747089	15141	0.02027
## 5	e	53	917.0	obs	747089	6983	0.00935
## 6	f	57	1119.0	obs	747089	4236	0.00567
## 7	a	40	1619.5	ref	265670	265670	1.00000
## 8	b	41	2140.0	ref	265670	4213	0.01586
## 9	c	60	2116.5	ref	265670	6542	0.02462
## 10	d	51	1863.0	ref	265670	6349	0.02390
## 11	e	63	2947.5	ref	265670	662	0.00249
## 12	f	46	2473.5	ref	265670	1576	0.00593



conclusion

B. REF: