

xTitle

proposition & coherence in :schizophrenia: threads

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thema

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

hintergrund

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.)

methode

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

fragestellung

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.

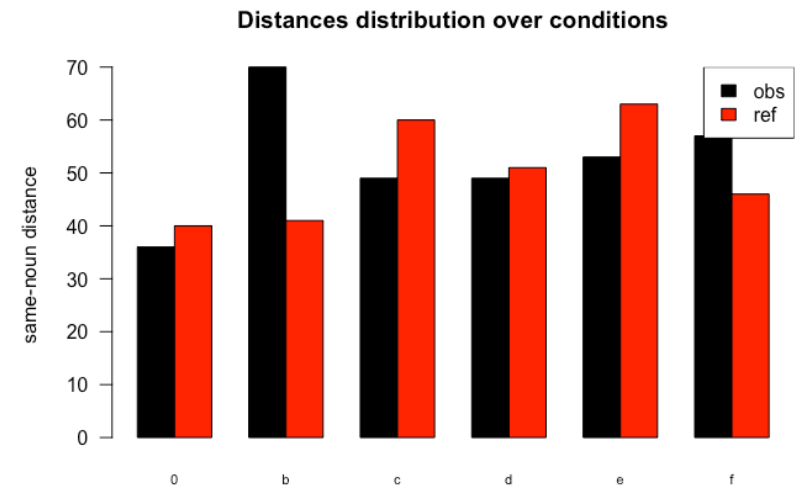
ergebnisse

[Q: @digrin_twitter_2025]

ergebnisse 2

| q | dist | range | corp | corp\\size | m | m\\rel |
|---|------|--------|------|------------|--------|---------|
| a | 36 | 446.0 | obs | 747089 | 747089 | 1.00000 |
| b | 70 | 1451.0 | obs | 747089 | 11415 | 0.01528 |
| c | 49 | 807.0 | obs | 747089 | 12516 | 0.01675 |
| d | 49 | 834.0 | obs | 747089 | 15141 | 0.02027 |
| e | 53 | 917.0 | obs | 747089 | 6983 | 0.00935 |
| f | 57 | 1119.0 | obs | 747089 | 4236 | 0.00567 |
| a | 40 | 1619.5 | ref | 265670 | 265670 | 1.00000 |
| b | 41 | 2140.0 | ref | 265670 | 4213 | 0.01586 |
| c | 60 | 2116.5 | ref | 265670 | 6542 | 0.02462 |
| d | 51 | 1863.0 | ref | 265670 | 6349 | 0.02390 |
| e | 63 | 2947.5 | ref | 265670 | 662 | 0.00249 |
| f | 46 | 2473.5 | ref | 265670 | 1576 | 0.00593 |

ergebnisse 3



B. REF: