

ACCEPTABILITY JUDGEMENTS ON CONTRASTIVE DIALOGUES INVOLVING ELLIPSIS

Master's thesis

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CONTRASTIVE DIALOGUES INVOLVING ELLIPSIS



Fragment theory



Research question & hypotheses



Study design



Participants



Results



Conclusions



Discussion

FRAGMENT THEORY

A: Mary stole the cookie.

B: No, Peter.

FRAGMENT THEORY

A: Mary stole the cookie.

B: No, Peter ~~stole the cookie~~.

FRAGMENT THEORY

A: Mary stole the cookie.

B: No, Peter ~~stole the cookie~~.

Fragment

remnant of ellipsis

FRAGMENT THEORY

A: Mary stole the cookie.

B: No, [Peter]_F

Contrastive focus F

- given alternative element for which the predicate actually holds
- must bear pitch accent

FRAGMENT THEORY

A: Mary stole the cookie.

B: No, Peter.

assign
category to
remnant



find correlate
in antecedent
clause



construct
elided phrase

FRAGMENT THEORY

A: Mary stole the cookie.

B: No, Peter **DP=Remnant**

assign
category to
remnant



find correlate
in antecedent
clause



construct
elided phrase

FRAGMENT THEORY

A: **Mary**_{DP=Correlate} stole the cookie.

B: No, Peter_{DP=Remnant}

assign
category to
remnant



find correlate
in antecedent
clause



construct
elided phrase

FRAGMENT THEORY

A: Mary_{DP=Correlate} stole the cookie.

B: No, Peter_{DP=Remnant} ~~stole the cookie.~~

assign
category to
remnant




find correlate
in antecedent
clause



**construct
elided phrase**

RESEARCH QUESTION



What is the most effective medium
for obtaining acceptability
judgements about dialogues
involving contrastive focus?

HYPOTHESES



Emphasis



Modality



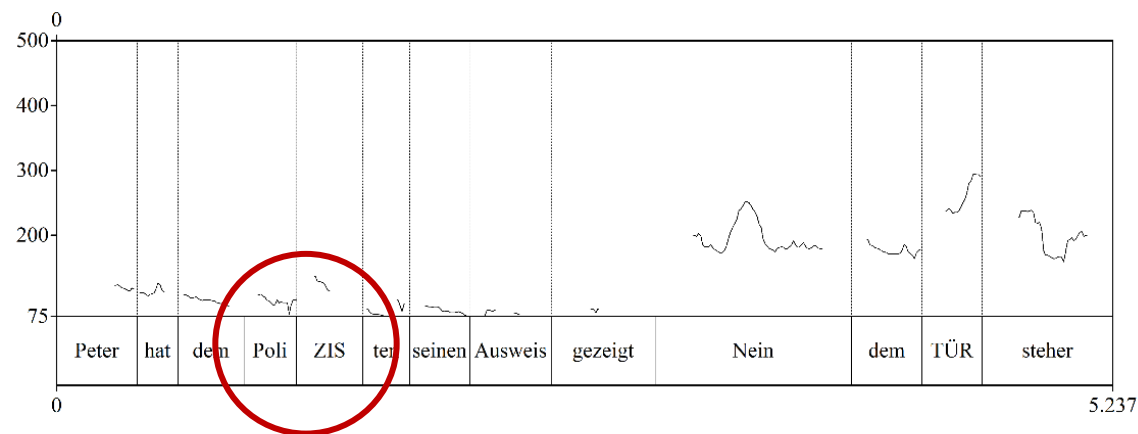
Fragment type

HYPOTHESES

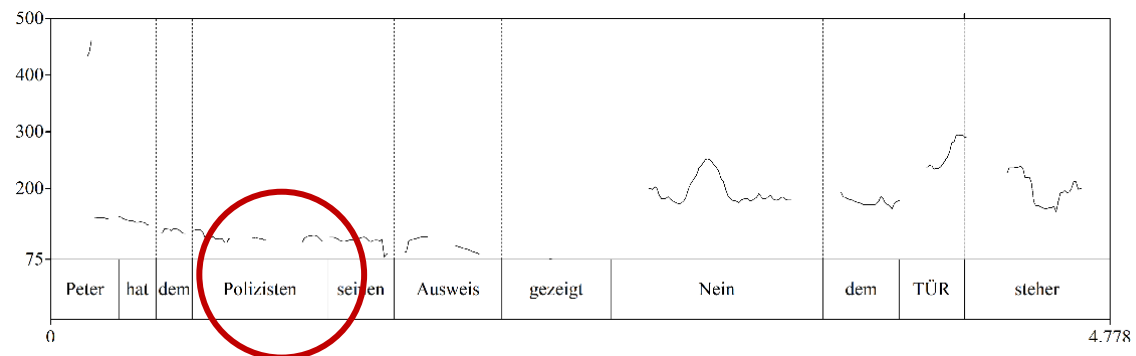


Emphasis

with
emphasis



without
emphasis

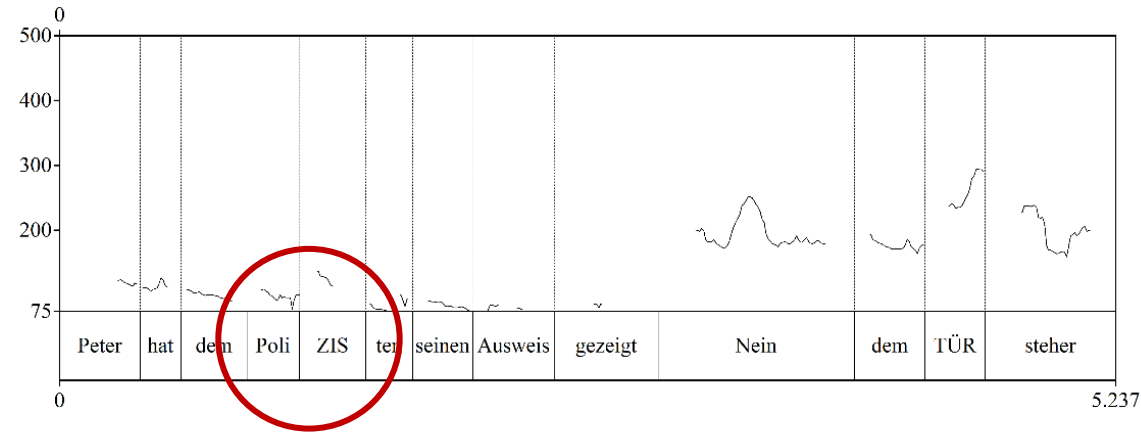


HYPOTHESES



Modality

auditory



written

- A: Peter showed his ID to the POLICE OFFICER.
B: No, the BOUNCER.

HYPOTHESES



Fragment
type

functional

A: Peter worked at the cinema FROM 6pm.

B: No, UNTIL 6pm.

lexical

A: Peter showed his ID to the POLICE OFFICER.

B: No, the BOUNCER.

HYPOTHESES



Emphasis

emphasis on contrasting words > lacking emphasis



Modality



Fragment type

HYPOTHESES



Emphasis

emphasis on contrasting words > lacking emphasis



Modality

auditory > written



Fragment type

HYPOTHESES



Emphasis

emphasis on contrasting words > lacking emphasis



Modality

auditory > written



Fragment type

lexical fragments > functional fragments

STUDY DESIGN

Modality

- written
- auditory

Emphasis

- with
- without

Fragment type

- lexical
- functional

STUDY DESIGN

Modality

- written
- auditory

between-subject

Emphasis

- with
- without

within-subject

Fragment type

- lexical
- functional

STUDY DESIGN

Acceptability Judgement Task

- rate naturalness of speaker B's answer
- 7-point Likert scale
- forced choice
- no time limit

STUDY DESIGN

Acceptability Judgement Task

- rate naturalness of speaker B's answer
- 7-point Likert scale
- forced choice
- no time limit

Ihre Bewertung

In der Studie werden Ihnen die Dialoge als Text präsentiert. Großbuchstaben stellen dar, welche Wörter von den Sprecher:innen betont werden. Bitte lesen Sie sich den Dialog durch.

Wie natürlich wirkt die Aussage der Sprecherin B auf Sie?

A: Peter hat BIS August Miete gezahlt.

B: Nein, AB August.

völlig unnatürlich ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 völlig natürlich

Bitte geben Sie eine Bewertung ab.

STUDY DESIGN

Acceptability Judgement Task

- rate naturalness of speaker B's answer
- 7-point Likert scale
- forced choice
- no time limit

Ihre Bewertung

In der Studie werden Ihnen die Dialoge als Text präsentiert. Großbuchstaben stellen dar, welche Wörter von den Sprecher:innen betont werden. Bitte lesen Sie sich den Dialog durch.

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völlig unnatürlich ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☒ 5 ☐ 6 ☐ 7 völlig natürlich

WEITER

PARTICIPANTS



n = 100



crowdsourced from Prolific



German native speakers



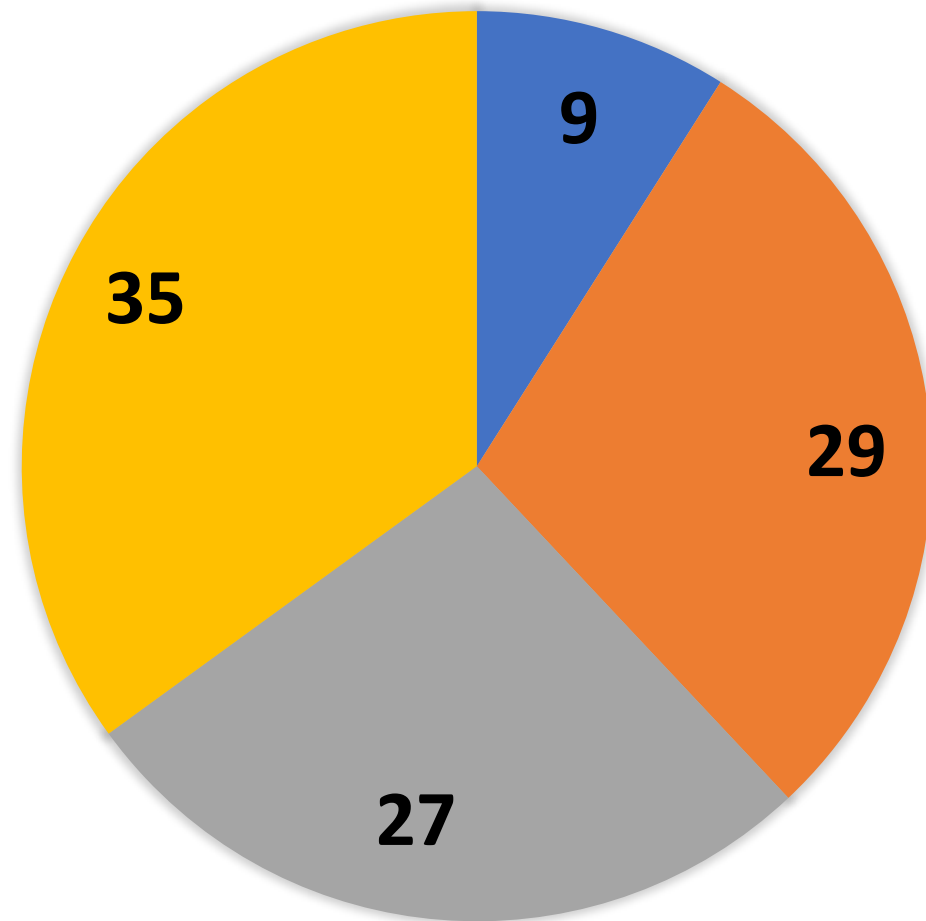
age between 19-73 years (m = 35.5)



69 males, 29 females, 2 diverse

PARTICIPANTS' HIGHEST DEGREE

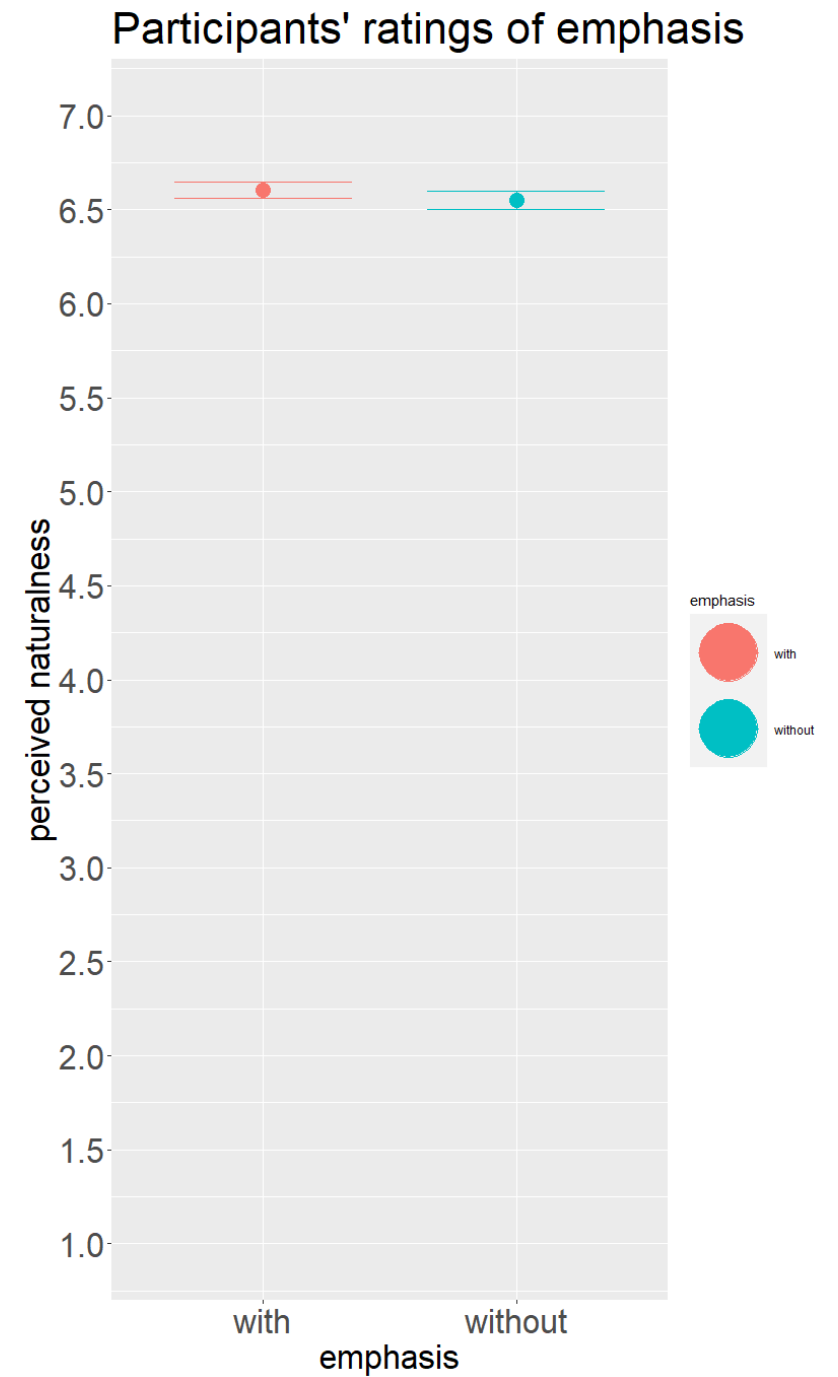
- without high school diploma
- completed high school
- with bachelor's degree
- with higher degree



RESULTS

Emphasis

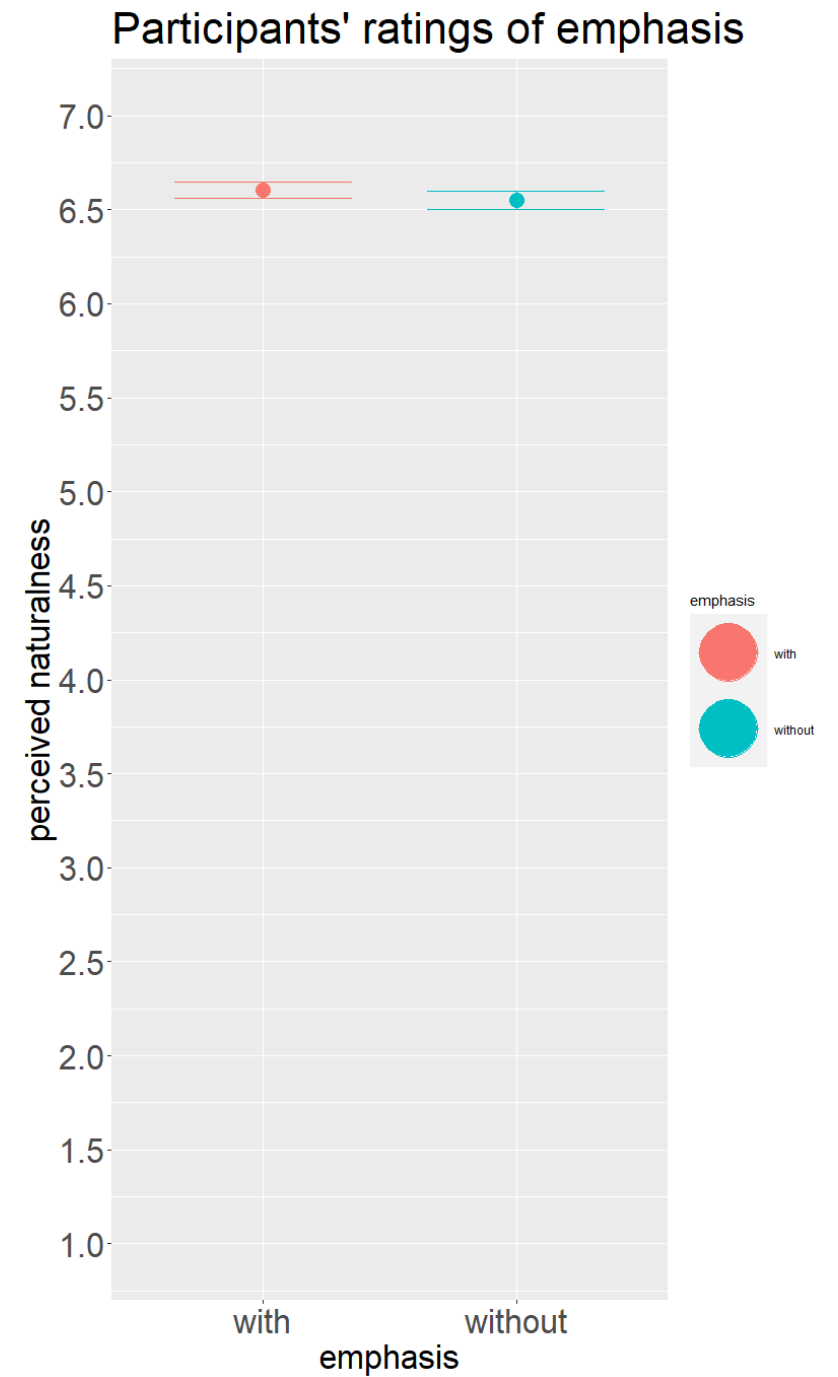
- **with emphasis:**
 $m = 6.60, sd = 0.80$
- **Without emphasis:**
 $m = 6.55, sd = 0.91$



RESULTS

Emphasis

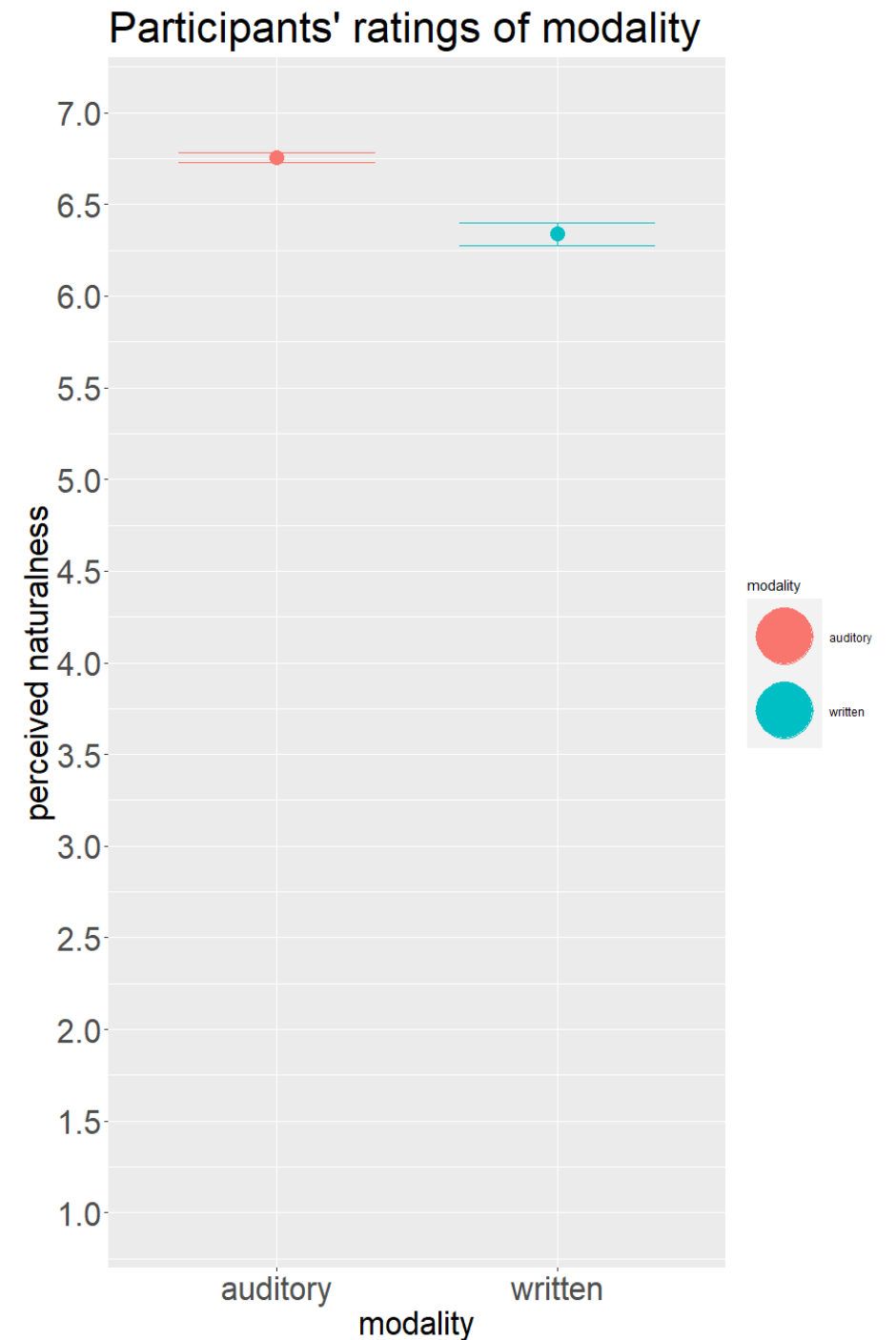
- without:
 $\beta_1 = -0.25$
- as hypothesised
- significant effect:
 $p = 0.027$



RESULTS

Modality

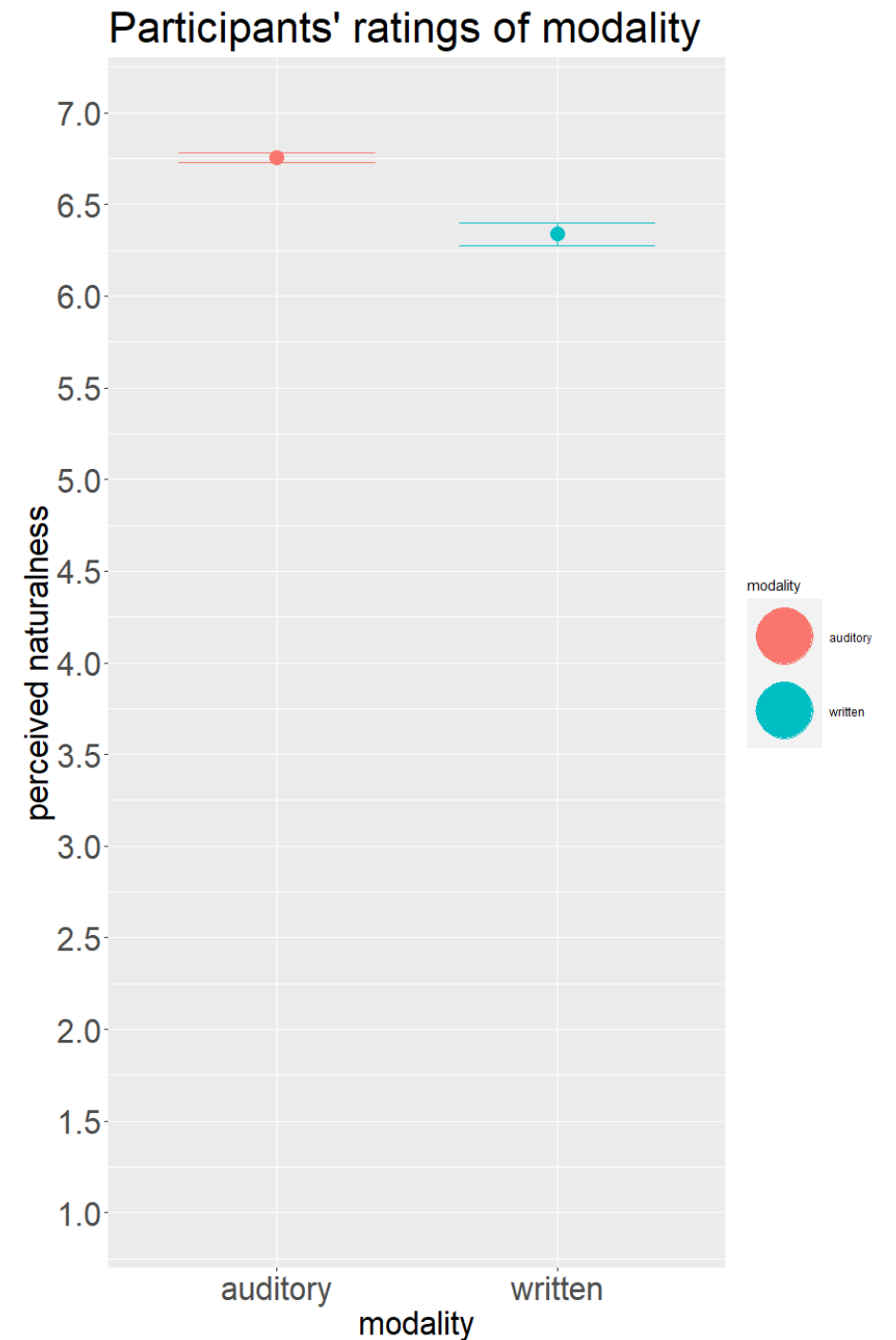
- **auditory:**
 $m = 6.76, sd = 0.53$
- **written:**
 $m = 6.34, sd = 1.11$



RESULTS

Modality

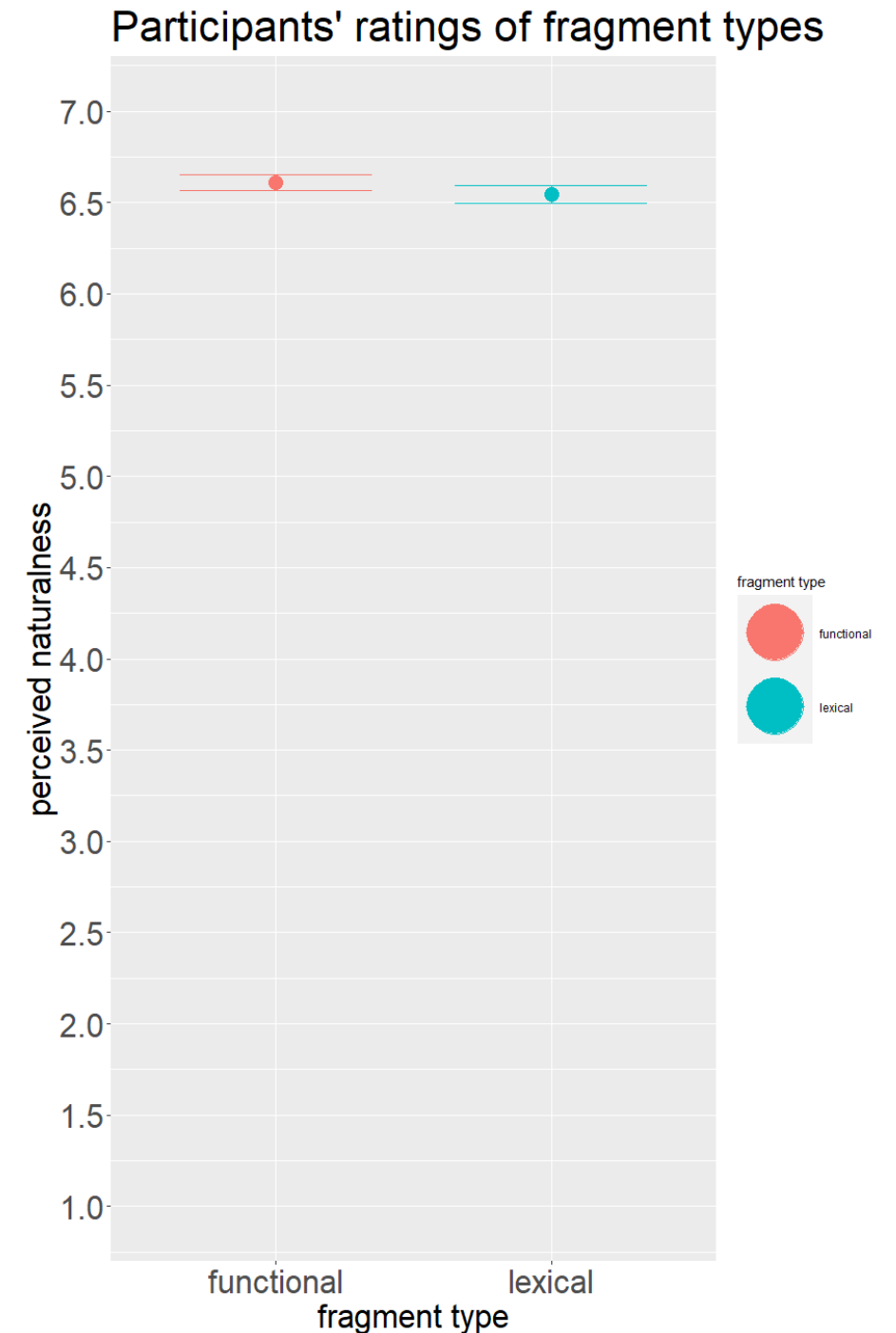
- **written:**
 $\beta_1 = -1.99$
- as hypothesised
- significant effect:
 $p = 0.016$



RESULTS

Fragment type

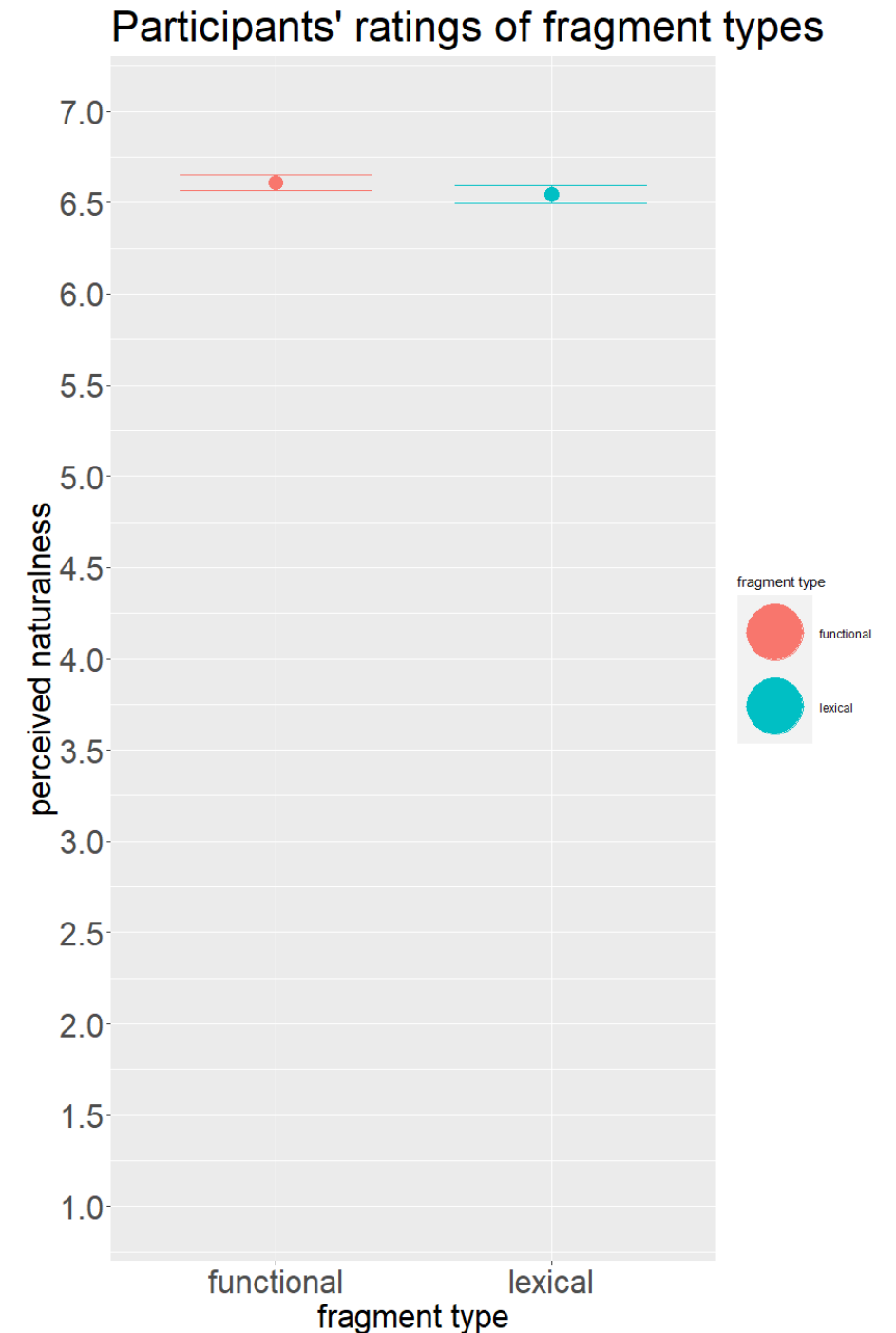
- **functional:**
 $m = 6.61, sd = 0.82$
- **lexical:**
 $m = 6.55, sd = 0.90$



RESULTS

Fragment type

- **lexical:**
 $\beta_1 = -0.49$
- **inverse** to hypothesis
- **significantly effect:**
 $p < 0.01$

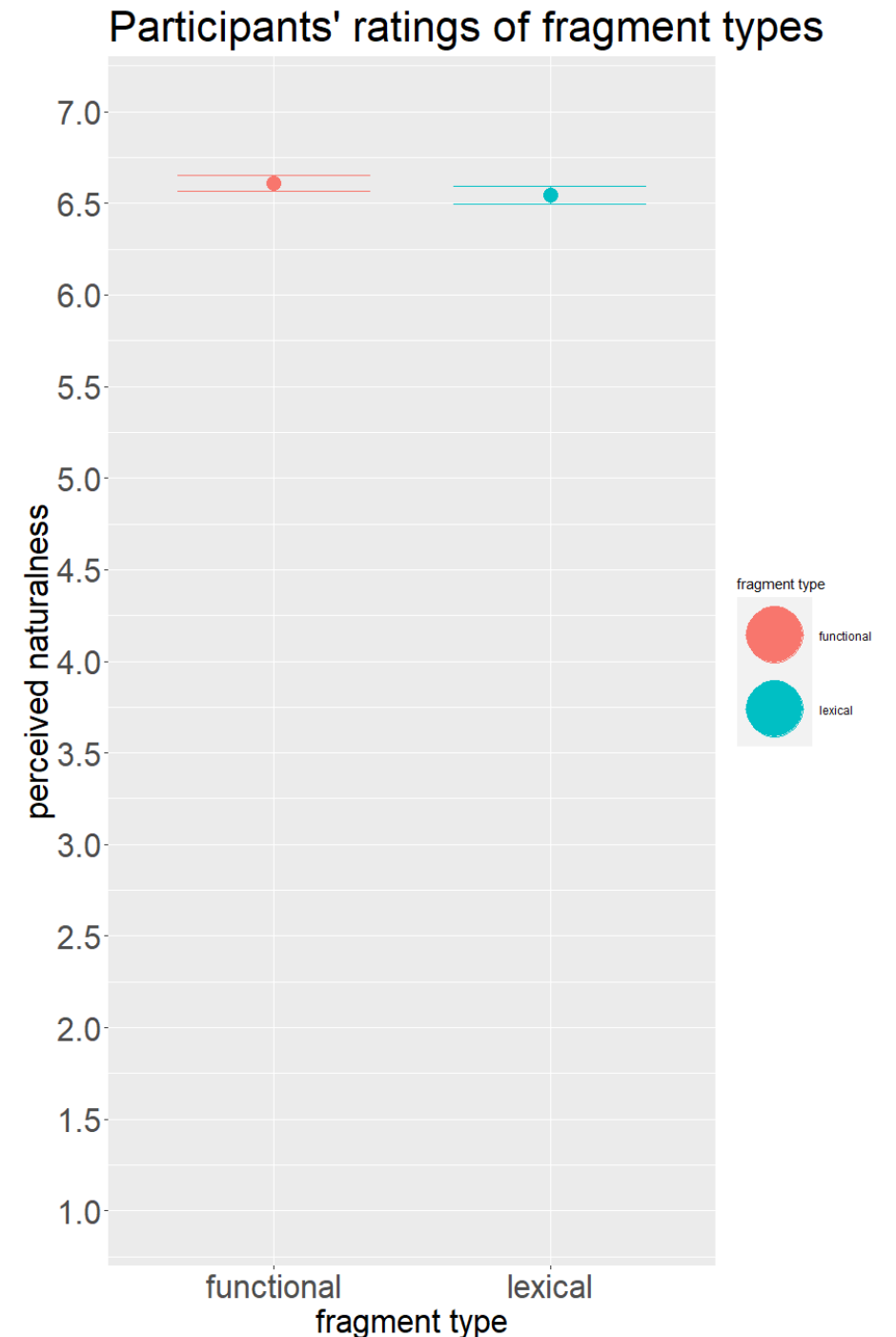


RESULTS

Fragment type

Explanation for inverse trend:

- **prepositions** have opposing meaning → binary contrast
- **nouns** denote alternative referents → non-binary contrast
- clear contrast = natural ?



CONCLUSIONS

accepted hypotheses

emphasis and modality affect judgements on contrastive fragments

inverse trend

- functional fragments rated more natural
- perhaps due to clearer contrast?

further research

- Influence of clarity of contrast
- compare phrasal answers to one-word answers

Thank you for listening!

DISCUSSION



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FRAGMENT THEORY

A: Mary stole the cookie.

B: No, Peter ~~stole the cookie~~.

Licensing condition

only given material can be omitted

PREVIOUS STUDIES



Parallelism

A: Marie stellt **ihrem** **Vater** ihren Freund vor.

Mary introduces her.**SG.DAT** father.**SG.DAT** her friend PART

‘Mary introduces her friend to her father.’

B: Nein, **ihrem** **Bruder.**

no her.**SG.DAT** brother.**SG.DAT**

‘No, her brother.’

- category
- case
- number
- thematic role
- prosodic weight

PREVIOUS STUDIES



Locality

H1

Local contrasts (B) are preferred over nonlocal contrasts (B')

stimuli

A: John took the poodle to the park.

B: No, the zoo. (local contrast with *the park*)

B': No, the pug. (nonlocal contrast with *the poodle*)

result

processors rate local contrasts as more natural

PREVIOUS STUDIES



Emphasis:
Pitch accent

H1

Does pitch accent influence the interpretation of ambiguous replacives?

stimuli

(1) ROGER insisted that Alice was reliable, not ANDREW
(2) Roger insisted that ALICE was reliable, not ANDREW

result

Pitch accent significantly affects the choice of the correlate

PREVIOUS STUDIES



Emphasis:
Orthography

capitalisation

- nouns are capitalised in German
- L1 and L2 speakers use orthography to process word-class information

colour highlighting

- input enhancement for second language learning
- orthographic marking facilitates noticing and understanding of L2 patterns

PREVIOUS STUDIES



Modality

H1

“Spoken constructions” receive higher ratings in an auditory questionnaire

stimuli

Their being unaware of the situation annoyed Rob

result

modality had no significant effect

PREVIOUS STUDIES



Modality

H1

Do orthographic cues influence subject-verb agreement?

stimuli

chanson 'song' / *chansons* 'songs' vs. *refus* 'refusal-S,P'

result

- less errors if number is marked orthographically
- orthographic marking is irrelevant in speaking
- suggests modality-specific effects of orthography

PREVIOUS STUDIES



Meaning

types

lexical vs. functional words

spoken

stress is usually placed on lexical words

textual

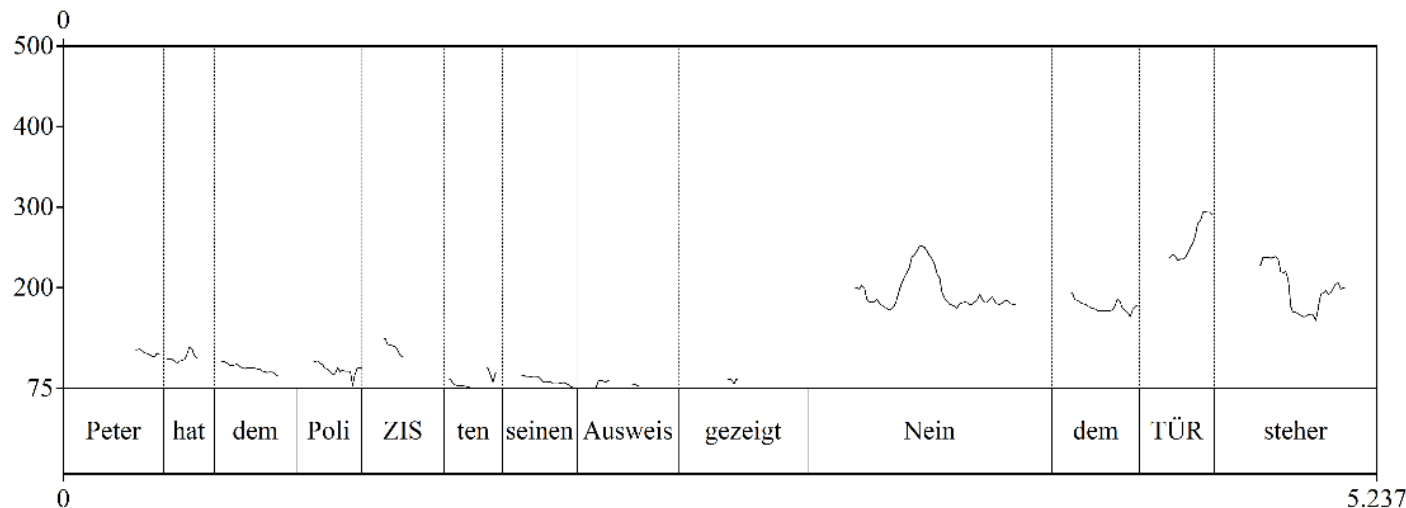
- functional words are more likely to be eluded
- functional words are fixated less often and with shorter gaze durations

STUDY DESIGN: STIMULI

A: Peter showed his ID to the POLICE OFFICER.

B: No, the BOUNCER.

written



auditory

STUDY DESIGN: STIMULI

A: Peter showed his ID to the POLICE OFFICER.

B: No, the BOUNCER.

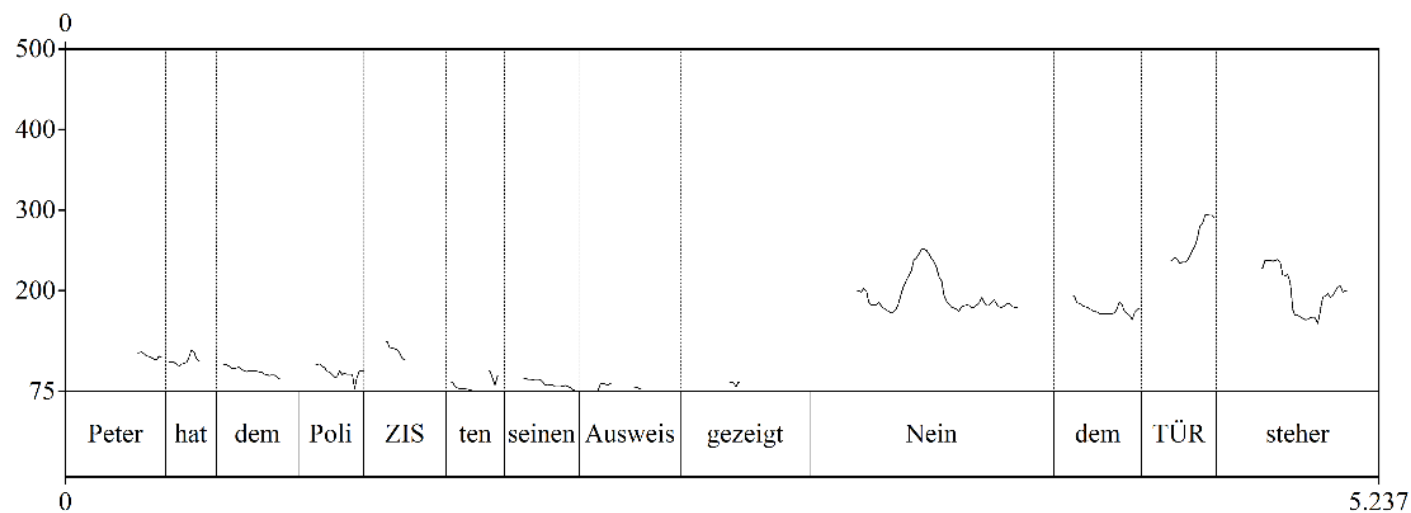
**with
emphasis**

A: Peter showed his ID to the police officer.

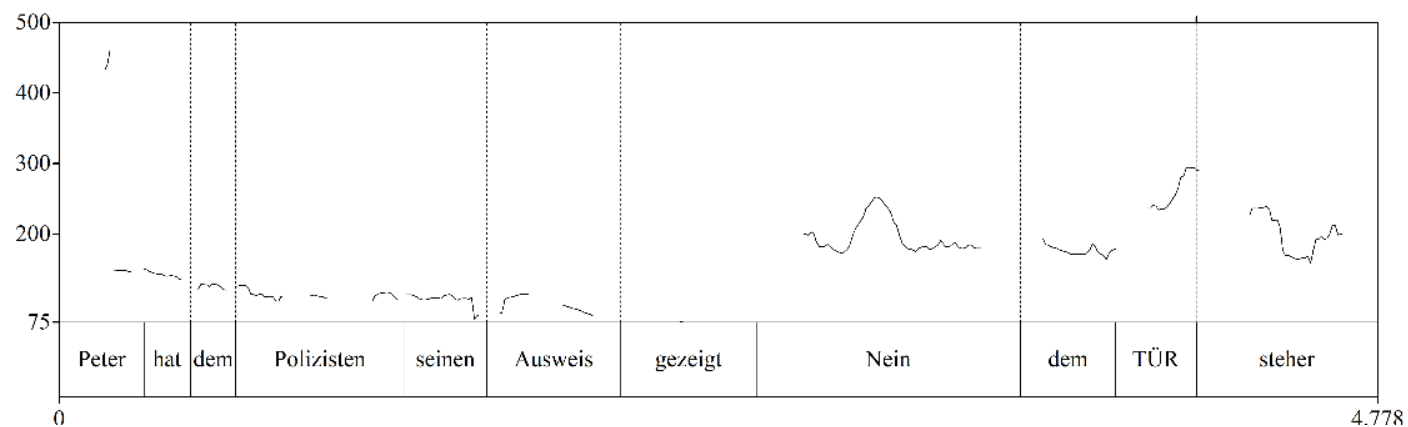
B: No, the bouncer.

**without
emphasis**

STUDY DESIGN: STIMULI

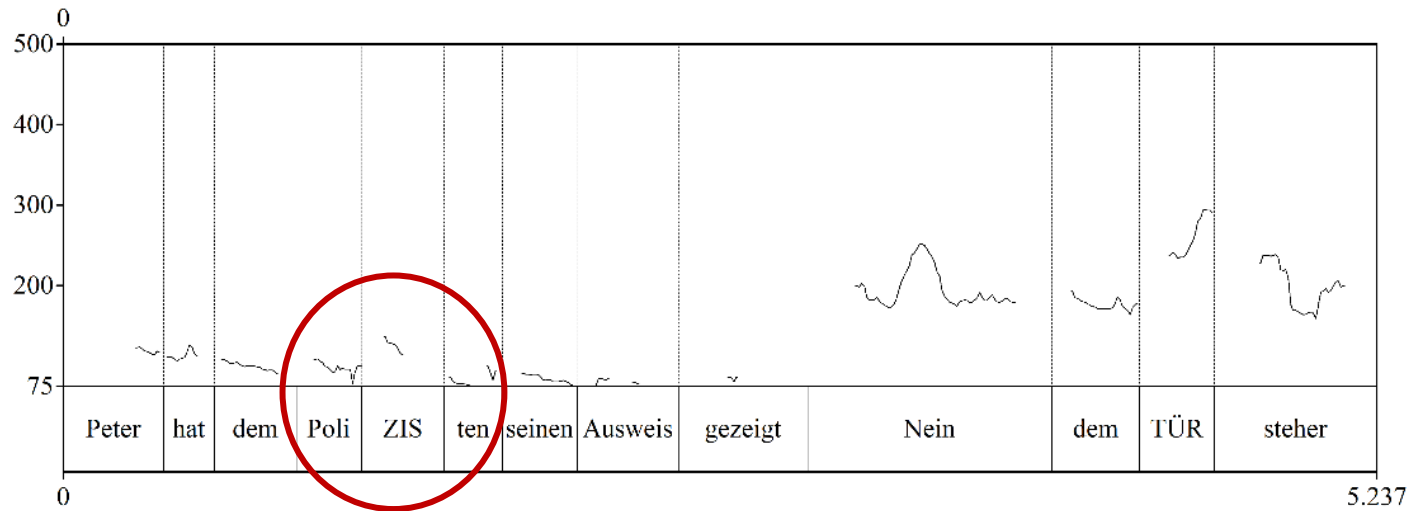


**with
emphasis**

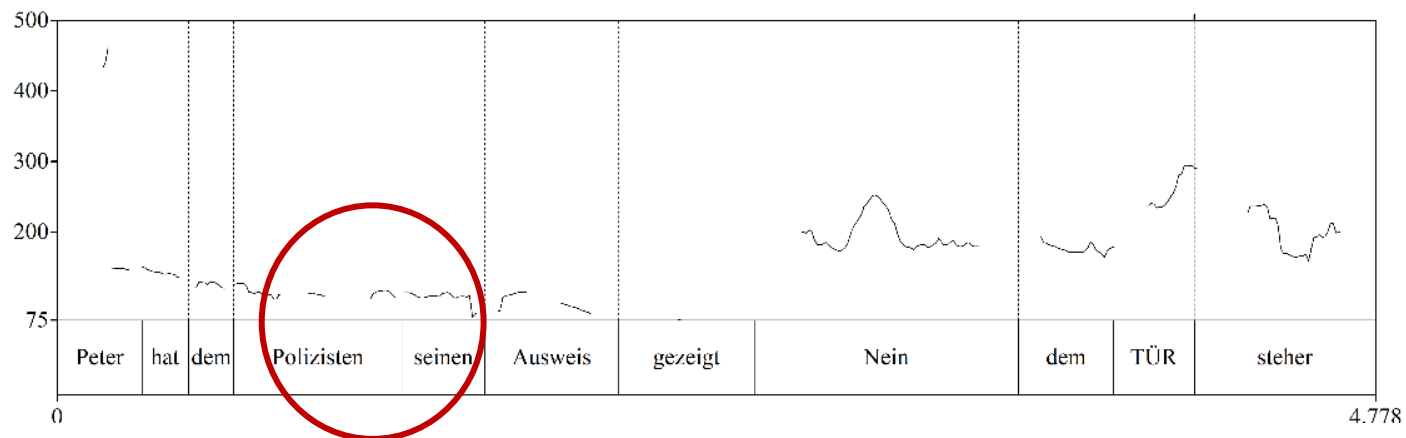


**without
emphasis**

STUDY DESIGN: STIMULI



**with
emphasis**



**without
emphasis**

STUDY DESIGN: STIMULI

A: Peter showed his ID to the POLICE OFFICER.

B: No, the BOUNCER.

lexical

A: Peter worked at the cinema FROM 6pm.

B: No, UNTIL 6pm.

functional

ANALYSIS

z-score

- X = individual data point
- μ = mean
- σ = standard deviation

$$Z = \frac{X - \mu}{\sigma}$$

CLMM

- Emphasis: without $\beta_1 = -0.25$, $p = 0.03$
- Modality: written $\beta_1 = -1.99$, $p = 0.02$
- Fragment type: lexical $\beta_1 = -0.4486$, $p < 0.01$

ANALYSIS

AIC

- difference: -28
- Lower AIC for null model

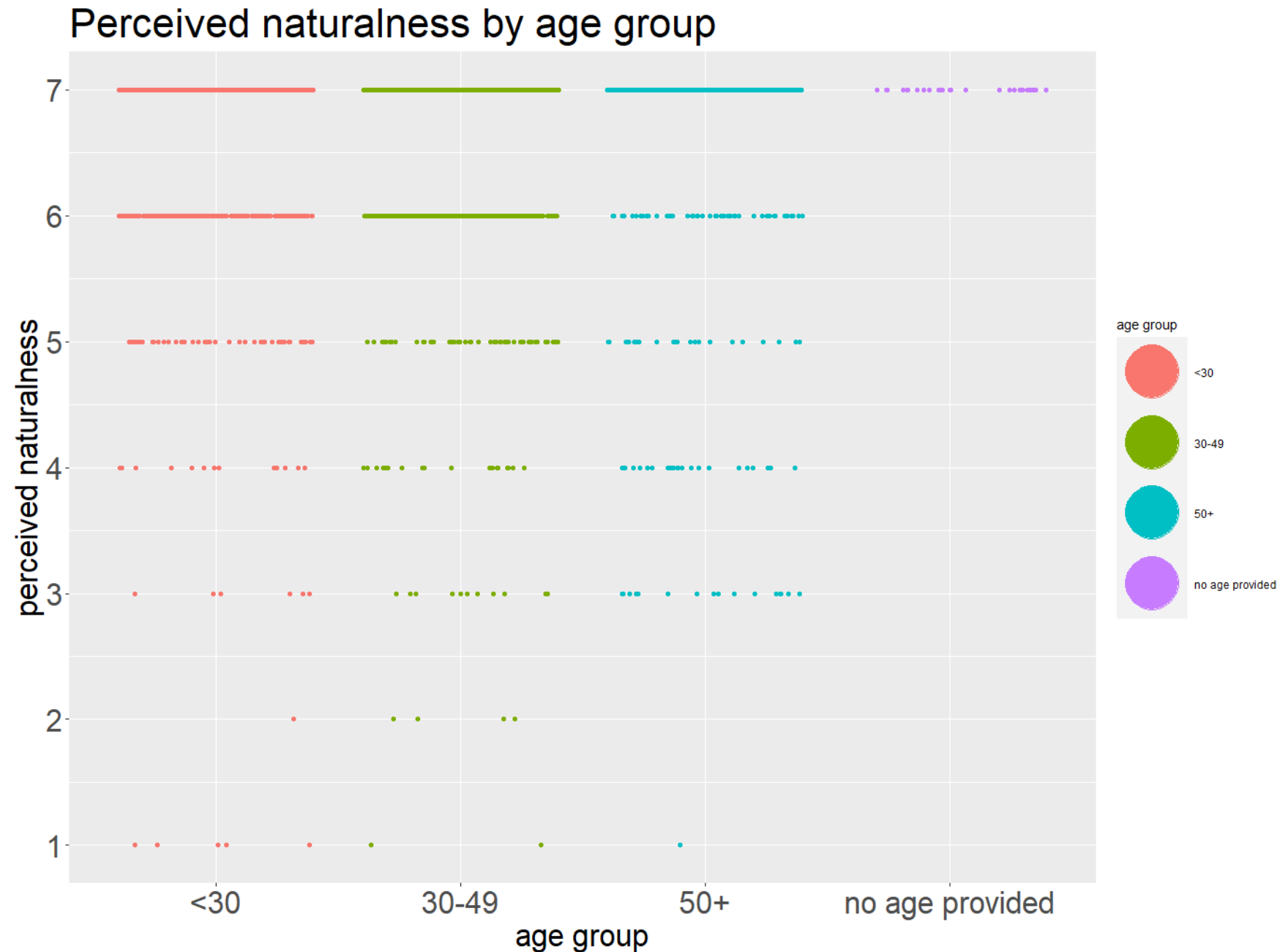
ANOVA

- $p < 0.01$
- significantly better model fit

RESULTS

age

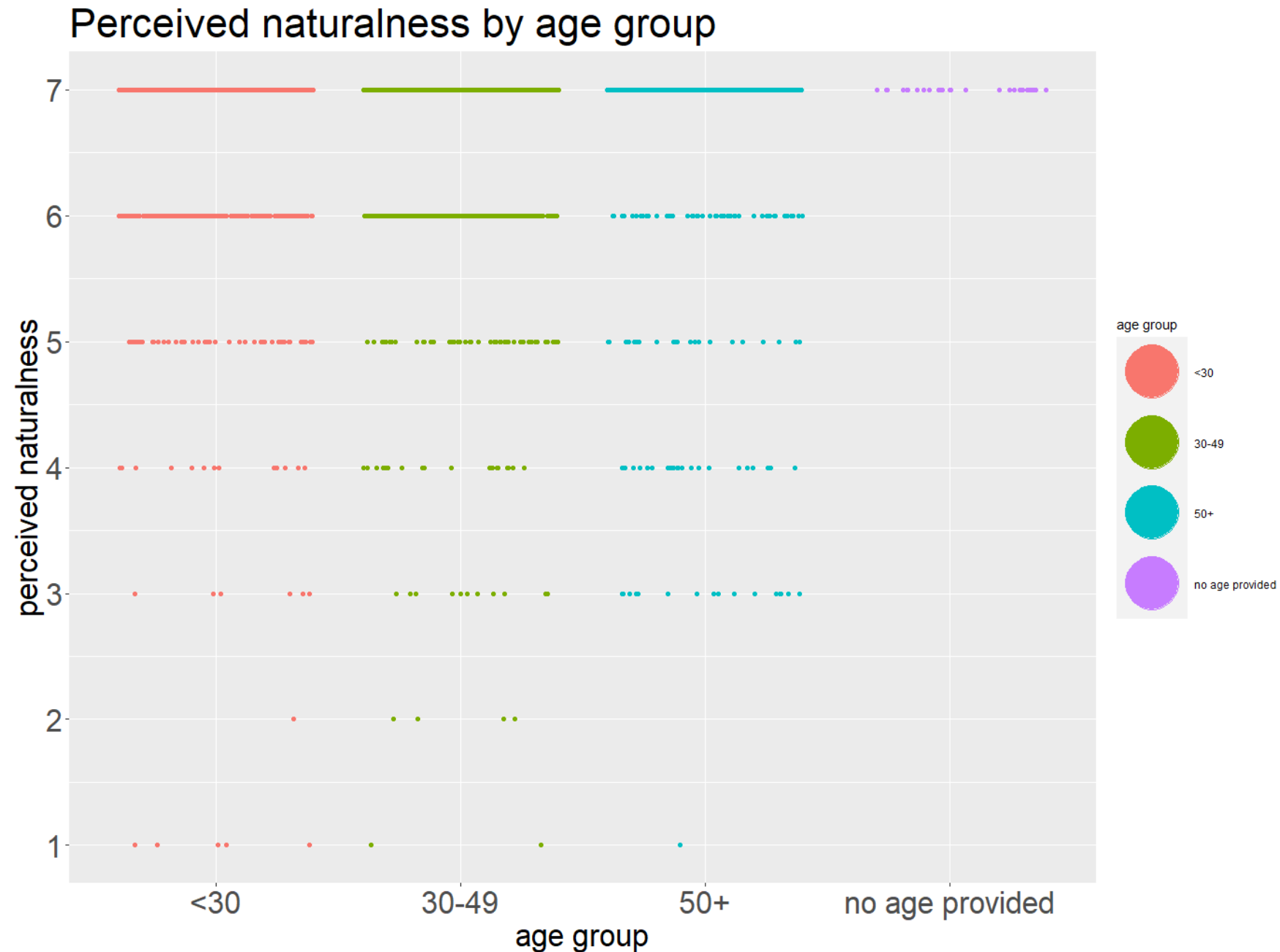
- <30 years:
 $m = 6.66$
- 30-49 years:
 $m = 6.54$
- 50+ years:
 $m = 6.43$



RESULTS

age

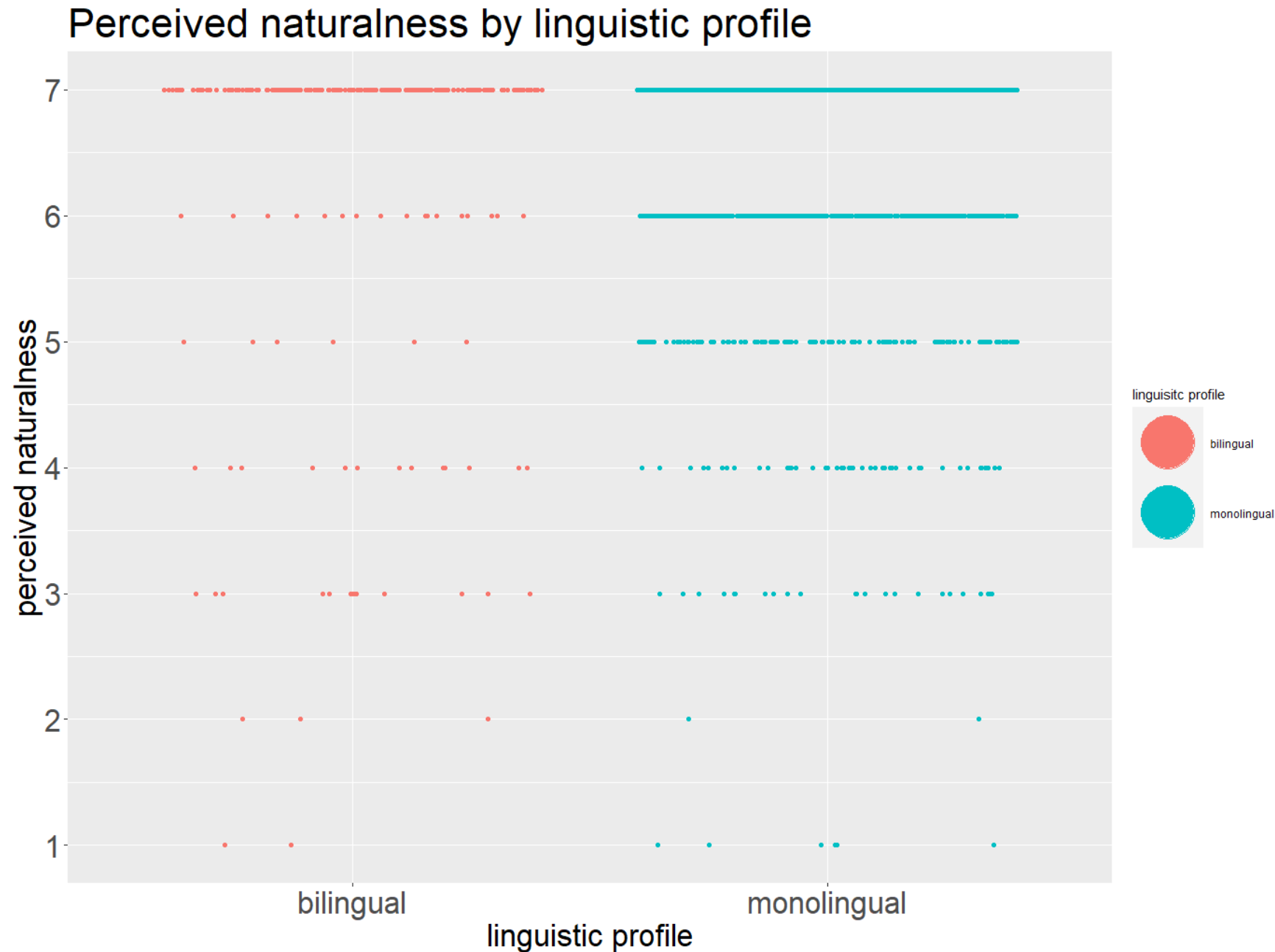
- <30 years:
42 pps
- 30-49 years:
41 pps
- 50+ years:
16 pps



RESULTS

linguistic profile

- bilingual:
 $m = 6.43$,
 $sd = 1.29$
- monolingual:
 $m = 6.59$,
 $sd = 0.80$



linguistic profile

- 9 bilinguals
- 91 mono-linguals

