

Adnominal gender assignment to English loanwords in Belgian Dutch

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Overview

1. Background

2. Data and methods

3. Results

4. Conclusion

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Gender assignment to loanwords

Corbett 1991:

- gender is assigned to loanwords according to the normal gender rules of the target language
- the gender of loanwords is stable



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	masculine	feminine	neuter
definite article	de	de	het
personal pronoun	hij	ze	het
possessive pronoun	zijn	haar	zijn



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- normal gender system:
 - semantic: sports and games \rightarrow het

 \rightarrow het voetbal ('soccer')

- formal: suffix '-ment' \rightarrow het
 - → het instrument ('instrument')



- normal gender system:
 - semantic: sports and games \rightarrow het

 \rightarrow het voetbal ('soccer')

• formal: suffix '-ment' \rightarrow het

→ het instrument ('instrument')

- loanwords get 'de' unless there is a reason for using 'het':
 - \rightarrow de interface, de floppy

BUT:

 \rightarrow het rugby, het management



- additional rule for loanwords:
 - analogy with Dutch cognate or translation
 - \rightarrow het billboard ~ het bord ('the board')



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The gender of loanwords is stable

• previous research:

often corpus studies or lists of anglicisms:

assume that all language users assign the same gender \rightarrow Pollack et al. (1982): for well-established nouns

 \rightarrow hierarchy of influential factors (with list of exceptions)



• Geerts (1996): hierarchy for anglicisms in Dutch



conflicts are resolved by place in the hierarchy

e.g. 'gingerbeer': cognate 'het bier'

semantic field: drinks ('de')

 \rightarrow het gingerbeer



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Case-study on anglicisms in Dutch

 few systematic studies on the gender of anglicisms in Dutch

exception: Schenck 1985

- variation in the pronominal gender of Dutch
 - in our data: only 66% syntactic agreement



Goal

to determine which factors are important for gender assignment to anglicisms in Belgian Dutch:

- using data from a questionnaire rather than a corpus or a list of words
- using inferential statistics and multifactorial analyses rather than raw frequency or basic proportions
- taking homogeneity between subjects into account



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Homogeneity

We will show that:

- respondents agree about the gender of some anglicisms
- for other anglicisms, conflicts between the predictors lead to variation between and within respondents



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180 sentences, each containing one anglicism





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two tasks per sentence:

- 1. article: de / het
- 2. pronoun: hij / ze / het

- 5. (De / Het) **tenniscoach** is maandag op 70-jarige leeftijd overleden (Hij / Ze / Het) ontdekte tijdens zijn carriere Steffi Graf en Boris Becker.
- 6. Een stel avonturiers brengen er per ongeluk (de / het) **mummy** tot leven en (hij / ze / het) duikt daarna op in Londen.

Ik ken dit woord niet.

Ik ken dit woord niet.



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180 sentences, each containing one anglicism: new anglicisms:

not yet in Van Dale¹⁴

based on two large news corpora (TwNC and LeNC)

established anglicisms:

included in Van Dale¹⁴ borrowed in 1950s or later recognizable as English loans



Questionnaire: anglicisms

development facelift dress reality tenniscoach mummy entertainment suspense copy release statement hippie carpooling aquaplaning busticket exit-poll catsuit chick sneak achievement extra-time blooper knowhow teamspirit dinner American dream

stream contest lovestory baseballbat witch sit-in believer bodypainting trench wall printing leisure sensor error pay spray establishment camping ground assist skateboard intercom search gallery iack dancefloor basketbal

researcher majorette quizzer network showcase spot computersoftware noise suburb escalatie tennismatch concept car supermarkt technology snowboarder disc countdown tumbling sound shooting chill-out stationwagon indian summer slam character bulldog

comedian popart party diskette briefina shoppingcenter callgirl youngster franchising voucher demand squat ace roadbook recycling boogie engine hometown questhouse supply hospitality track e-learning hovercraft football talkshow

vibe freebee empathie rate fairness marketing sticker package inspector click opportunity braindrain black-out safety member panty draft view freelancester beach shareholder supermodel showtime town security loafer

cooler tracker queen career dav steeple combo soundsystem mall tuning patchwork babyfoon input publicity underdog key award check-in gangster rock'n'roll jingle smog column theory sense of urgency publishing director

scorecard showbiz surround battle image jogger channel clash resource supercomputer creditcard hotelmanager it-girl wash cover nanny cashflow nickname container ship gossip screen

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2 randomizations



Respondents

45 university students

- mean age
- gender
- 3 Flemish regions:

- 21.49
- 35 female
- 10 male
- 24 Antwerp or Flemish Brabant
- 13 Limburg
- 8 East or West Flanders
- profession level of parents: 27 high
 18 low
- 26 know a local dialect
- 25 have a good knowledge of English

Methodology

- two types of research questions:
 - 1. Which factors influence the gender of anglicisms?

2. Do subjects always agree about the gender of anglicisims?



Methodology

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 - 1. Which factors influence the gender of anglicisms?

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Determining which factors influence gender

- response variable:
 - article: de / het
- analyses
 - exploratory descriptive analyses:
 - associations between variables
 - association between predictor and response
 - heatmaps: gender assignment per type per respondent
 - conditional inference trees and random forests
 - mixed effects logistic regression



Predictors

- language-external variables: respondent information
- gender cognate or translation: 133 de
 - 42 het
- semantic field: 27 animate
- suffix gender (if present):
- 40 de

148 other

5 het



Predictors

• degree of establishment:

- 66 established & 'de'
- 12 established & 'het'
- 49 new frequent
- 48 new infrequent

- \rightarrow modelling two questions:
 - Which factors are important for gender assignment?
 - Do language users agree with the established gender?



Methodology

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Methodology

- two types of research questions:
 - 1. Which factors influence the gender of anglicisms?
 - 2. Do subjects always agree about the gender of anglicisims?
 - \rightarrow How can we measure homogeneity?



Measuring homogeneity

measure of global internal uniformity (Geeraerts et al. 1999): ullet

homogeneity per type = $I_z(Y) = \sum_{i=1}^n F_{Z,Y}(x_i)^2$ proportion.de² + proportion.het²

=



Measuring homogeneity

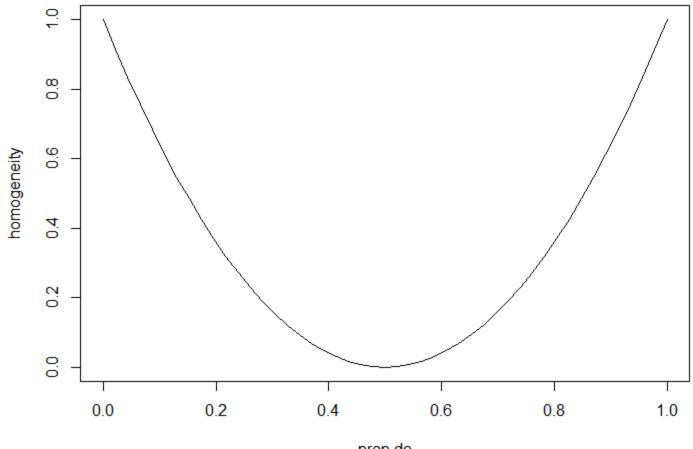
measure of global internal uniformity (Geeraerts et al. 1999): ullet

homogeneity per type = $I_z(Y) = \sum_{i=1}^n F_{Z,Y}(x_i)^2$ proportion.de² + proportion.het² =

transformation: 0 = no homogeneity

1 = complete homogeneity





prop.de



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- analyses:
 - exploratory descriptive analyses
 - linear regression •



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Factors that influence gender

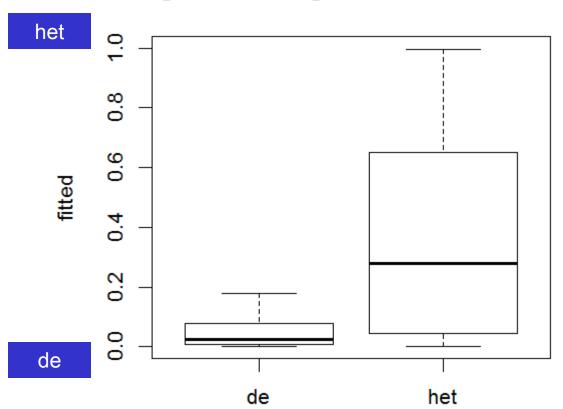
• preference for 'de' (15.02% 'het')



Factors that influence gender

- preference for 'de' (15.02% 'het')
- mixed effects logistic regression:
 - random effects: type, respondent
 - C = 0.93
 - significant predictors: gender cognate or translation degree of establishment semantic field

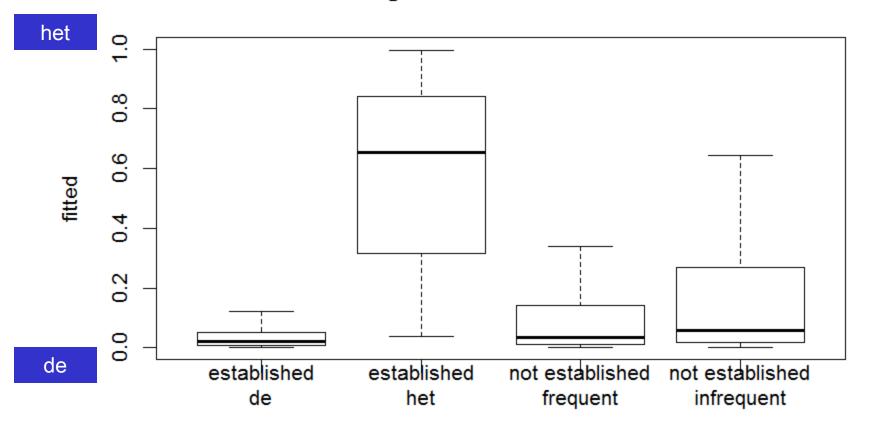




gender of cognate or translation

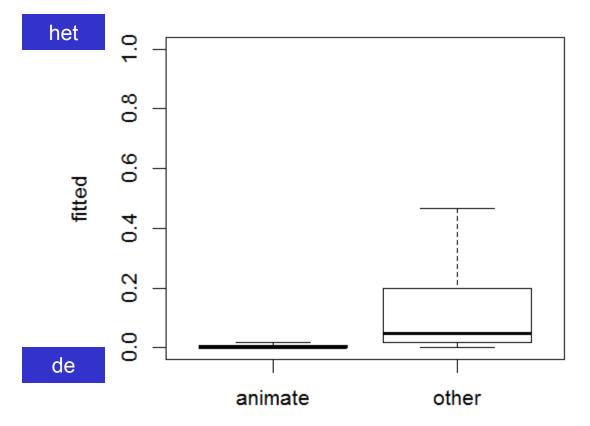


degree of establishment



QL

semantic field

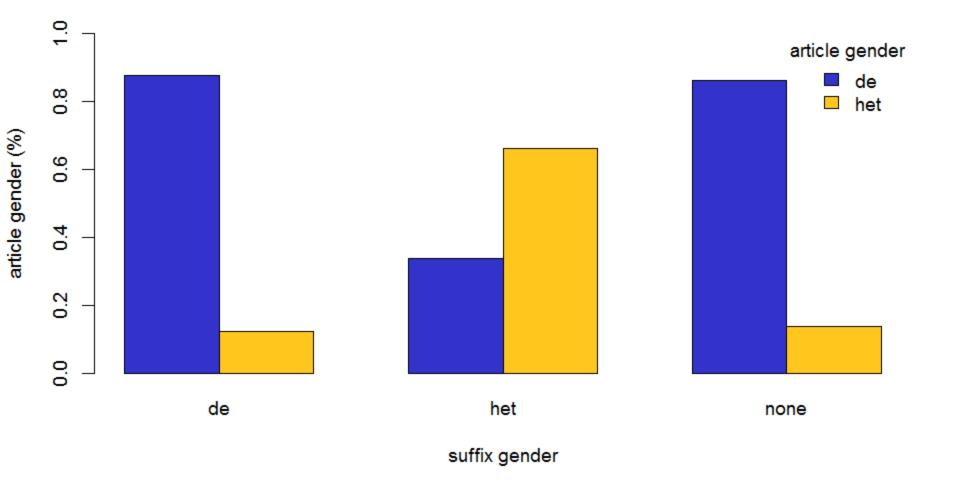




Factors that influence gender

- suffix gender
 - significant if included in mixed model
 - data sparsity neuter suffixes:
 - only 5 types: achievement, development, entertainment establishment, statement
 - only suffix -ment





QL/L

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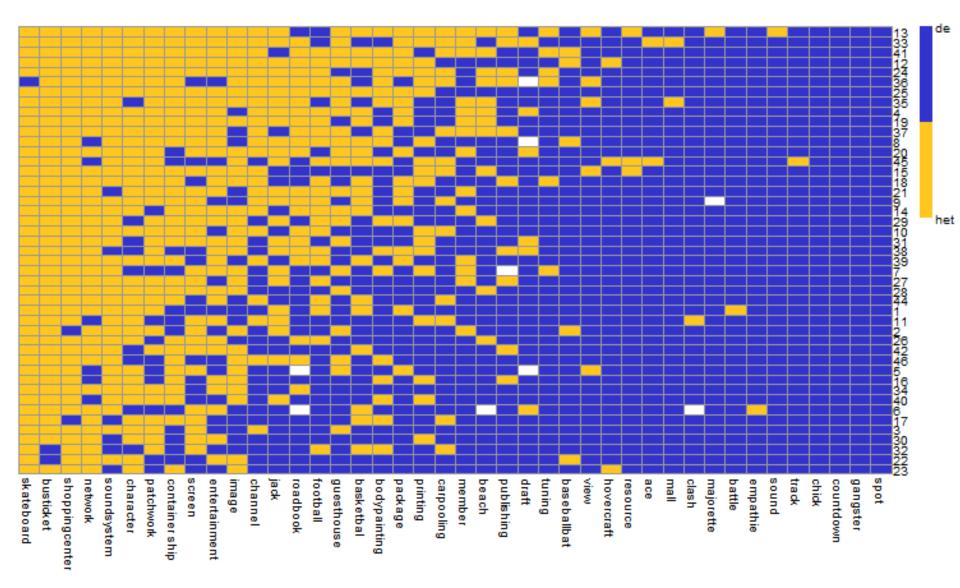
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Homogeneity?

- complete homogeneity: everyone always uses the same variant for each concept
- Do subjects agree about gender of the anglicisms?





gender of Dutch cognate or translation = 'het'



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Homogeneity?

- complete homogeneity: everyone always uses the same variant for each concept
- Do subjects agree about gender of the anglicisms?
 →NO
- Which factors promote homogeneity between subjects?

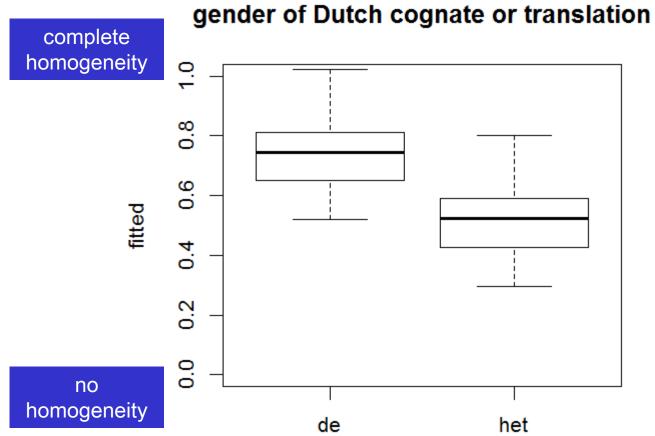


Article: homogeneity

- mean homogeneity = 70.85%
- linear regression model
 - response variable: homogeneity
 - R²: 0.2654
 - significant predictors:

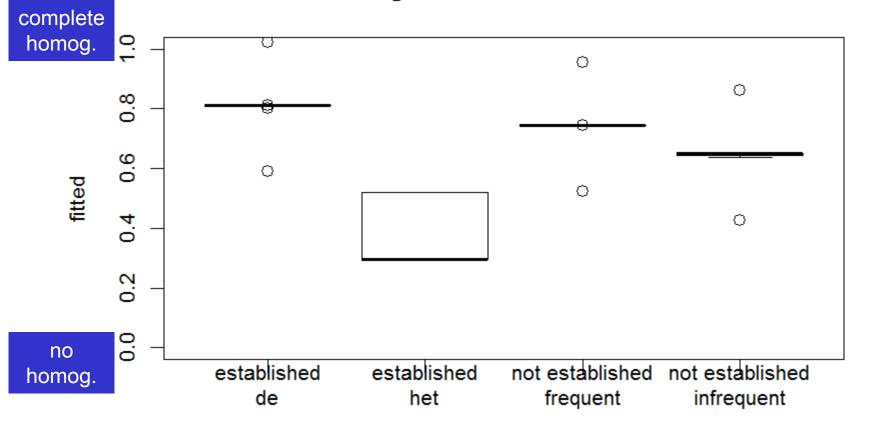
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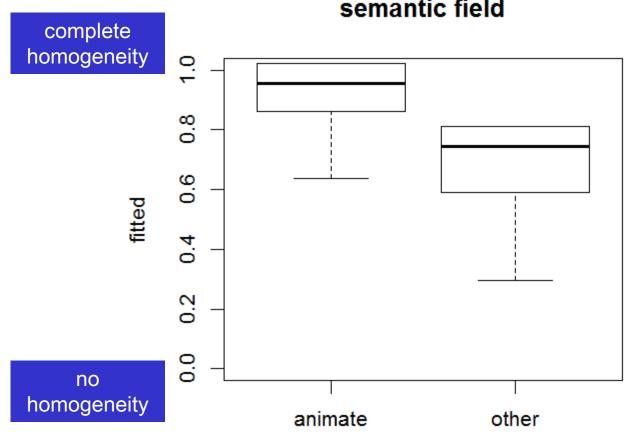




degree of establishment







semantic field



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Conclusion

de as default article

1. Which factors influence the gender of anglicisms?

2. Do subjects always agree about the gender of anglicisms?



Conclusion

de as default article

1. Which factors influence the gender of anglicisms?

- gender of cognate or translation in source language
- semantic properties
- suffix gender
- established gender can serve as predictor, but no unanimity

2. Do subjects always agree about the gender of anglicisms?



Conclusion

de as default article

1. Which factors influence the gender of anglicisms?

2. Do subjects always agree about the gender of anglicisms?

gender assignment to anglicisms is:

- not homogeneous
- not rule-based

conflicting factors: hierachy \rightarrow less homogeneity



Thank you!

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