

Agreement mismatches and register-driven variation in Brazilian Portuguese

Antonio Machicao y Priemer & Giuseppe Varaschin

Institute for German Language and Linguistics
Humboldt-Universität zu Berlin

{mapriema | giuseppe.varaschin}@hu-berlin.de

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Introduction

Our **phenomenon**:
the pronoun *a gente* ‘we’ in Brazilian Portuguese and its **grammatical** and **register-driven variation** with respect to agreement.

- ▶ grammar → agreement variation
- ▶ usage → usage preferences reflected in acceptability

Main questions:

- ▶ How can we account for the variation? → **grammar**
- ▶ How can we reflect/predict the judgements? → **usage**
- ▶ How can we embed **register-knowledge** in a **formal theory of grammar**?



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Variation 1

In Brazilian Portuguese, there are **two different pronominal forms** to express 1.PL 'we':

- (1) a. *nós*
b. *a gente*

The form *a gente* is “**relatively new**” and has developed from the NP ‘the people’, (= *a* ‘the’ + *gente* ‘people’).

- (2) *A gente toca jazz.*
A GENTE play.3.SG jazz
‘The people play jazz.’
‘We play jazz.’

The phenomenon is present in European Portuguese (EP) and Brazilian Portuguese (BP), but it is more widespread and stable in BP.

(Lopes 1999; Seara 2000; Zilles 2005, 2007; de Alencar 2013)



Both *a gente* and *nós* are **truth-conditionally equivalent** and can be used interchangeably (cf. (3a) & (3b)).

- (3) a. *Nós tocamos jazz.*
1.PL play.1.PL jazz
‘We play jazz.’
b. *A gente toca jazz.*
A GENTE play.3.SG jazz
‘We play jazz.’

Difference (at least in standard varieties): *a gente* retains the **morphosyntactic behaviour** of 3.SG – consistent with the properties of the noun *gente* (cf. (3b) & (4)) – in spite of its semantic 1.PL status.

(Lopes 2004: 52-53)

- (4) *A banda toca jazz.*
the band play.3.SG jazz
‘The band plays jazz.’



Variation 2

Morphosyntactically, *a gente* is associated with **two agreement patterns** of subject-verb agreement:

- ▶ *a gente* agrees with the verb in 3.SG (5a).
- ▶ *a gente* agrees with the verb in 1.PL (5b).

- (5) a. *A gente come batata.*
A GENTE eat.3.SG potato
b. *A gente comemo(s) batata.*
A GENTE eat.1.PL potato

... our main concern ...



Variation 3

... to make things more complicated:

Some studies have shown that *a gente* can also **agree** with the **verb** in 3.PL, cf. (6). (Vianna 2006; de Alencar 2013; Marcotulio et al. 2013)

- (6) [M]uito bom quando as pessoas que a gente **amam** se
very good when the people that A GENTE love.3.PL REFL
gostam
like
‘It is very good when the people that we love like each other’

This variant is quite marginal in BP, it seems to be a **regional variant** that would need a different treatment within the grammatical system.

(Pereira 2003; Costa & Pereira 2013)

... not our concern ...



Variation 4

In BP, there is agreement with **adjectives** and **participles** used in **predicative position**.

- (7) a. A banda está cansad-a.
the band.F.SG is tired-F.SG
- b. * A banda está cansad -as / -o / -os.
the band.F.SG is tired -F.PL -M.SG -M.PL

A *gente* allows different patterns:

- (8) a. A gente está cansad -o / -os.
A GENTE is tired -M.SG -M.PL
- b. A gente está cansad -a / -as.
A GENTE is tired -F.SG -F.PL

Gender agreement is influenced by **referential properties**.



Combining the **variation on the verb** (3.SG vs. 1.PL) and the **variation on the predicative** (SG vs. PL), there are **4 attested patterns** that have to be accounted for.

(Vianna 2006)

ignoring gender agreement (→ referential) and the 3.PL variant (→ regional)

- (9) [...] depois de 3 anos juntos a gente fomos indenizado
after of 3 years together A GENTE were.1.PL compensated.M.SG
pela urbeu [...] by.the urbeu
'[...] after 3 years together we were compensated by Urbeu
[construction company] [...]'
- (10) [...] a gente é amigos mesmo.
A GENTE is.3.SG friend.M.PL really
'We are really friends.'

Costa & Pereira (2013: 174) claim for EP that a particular variant of **subject-verb agreement blocks** a conflicting variant of **predicate agreement**, but see (9) & (10).



Variation 5

In **non-local contexts** with **anaphoric agreement**,
a gente is retrieved by *a gente* or *nós* (or its clitic form *nos*).

- (11) a. A gente₁ acha [que a Maria viu a gente₁.]
A GENTE think.3.SG that the Maria saw.3.SG A GENTE
'We₁ think that Maria saw us₁.'
- b. A gente₁ acha [que a Maria nos₁ odeia.]
A GENTE think.3.SG that the Maria CL.1.PL hate.3.SG
'We₁ think that Maria hates us₁.'
- c. A gente₁ acha [que a Maria gosta de nós₁.]
A GENTE think.3.SG that the Maria likes.3.SG of us
'We₁ think that Maria likes us₁.'



Variation 6

In **local contexts**, *a gente* preferentially **binds** the **reflexive proclitic se**.

(Menuzzi 2000; Reuland 2011)

- (12) A gente₁ se₁ viu na TV.
A GENTE REFL saw.3.SG on-the TV
'We₁ saw ourselves₁ on TV.'

A gente binding the **1.PL reflexive clitic nos** has been judged as **ungrammatical** in the literature.

(Menuzzi 2000; Reuland 2011; Costa & Pereira 2013; Marcotulio et al. 2013)

... but ...



A gente can also be a **local antecedent** for the **standard 1.PL reflexive clitic *nos***. (Taylor 2009; Brito & Sedrins 2017; Carvalho et al. 2018; Varaschin 2021)

- (13) Ou seja, o desafio é eterno, válido e sempre que *a gente*₁ or be, the challenge is eternal, valid and always that **A GENTE** *nos*₁ dá chance de superar-lo, a gente cresce!
REFL. 1.PL give.3.SG chance to overcome-it, A GENTE grows
‘That means, the challenge is eternal, valid and every time we₁ give ourselves₁ a chance to overcome it, we grow!’
- (14) É mais fácil *a gente*₁ *nos*₁ alegrarmos depois de passar is more easy A GENTE REFL. 1.PL make-happy.1.PL after of pass o dia.
the day
‘It is easier for us₁ to make ourselves₁ happy after the day is over.’
- (15) [...] *a gente*₁ acaba *nos*₁ iludindo
A GENTE end-up.3.SG REFL. 1.PL deceiving
‘We₁ end up deceiving ourselves₁.’



Configurations in which *a gente* locally binds *nos* (16) are **much less frequent** than *a gente* locally binding *se* (17) **but not ungrammatical**, as the data shows.

- (16) [...] *a gente*₁ acaba *nos*₁ iludindo
A GENTE end-up.3.SG REFL. 1.PL deceiving
‘We₁ end up deceiving ourselves₁.’
- (17) *A gente*₁ *se*₁ viu na TV.
A GENTE REFL saw.3.SG on-the TV
‘We₁ saw ourselves₁ on TV.’

A **descriptively adequate grammar** should be consistent not only with **large-scale generalizations**, but also with **marked and infrequent patterns** attested, for instance, in corpora. (cf. Meurers & Müller 2009)

This should hold too for the different existing patterns of *a gente*.



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Analysis (Proposal)

Which are the configurations that have to be accounted for?

(focussing on *a gente*)

► subject-verb agreement:

- *a gente* triggers 3.SG verb agreement
- *a gente* triggers 1.PL verb agreement

► anaphoric agreement:

- *a gente* binds *se*, a REFL.3.SG pronoun
- *a gente* binds *nos*, a REFL.1.PL pronoun

► agreement chains:

- *a gente* – V.3.SG – Pred.SG
- *a gente* – V.1.PL – Pred.SG
- *a gente* – V.3.SG – Pred.PL
- *a gente* – V.1.PL – Pred.PL



Morphosyntactically 3.sc

Agreement with verbs: *a gente* predominantly agrees with a verb in **3.SG**.
(Marcotulio et al. 2013: 132)

	3.SG	1.PL	3.PL
spoken samples	99% (1046/1054)	1% (8/1054)	0% (0/1054)
written tests	81% (334/411)	18% (73/411)	1% (4/411)

Table 1: SVA with *a gente* in spoken samples and written tests



Agreement with predicative adjectives: *a gente* predominantly agrees with predicative adjectives in **SG**.
(Marcotulio et al. 2013: 133)

	M.SG	M.PL	F.SG	F.PL
spoken samples	90% (37/41)	0% (0/41)	10% (4/41)	0% (0/41)
written tests	70% (242/344)	14% (47/344)	13% (46/344)	3% (9/344)

Table 2: PA with *a gente* in spoken samples and written tests



NP-internal agreement: *a gente* cannot co-occur with **plural nominal dependents** (cf. (18) & (19)), but only with **singular** ones (cf. (20)).

- (18) {Nós / *A gente} três fomos à igreja.
we A GENTE three went to-the church
'We three went to church.'
- (19) {Nós / *A gente} brasileiro-os gostamos de futebol.
we A GENTE Brazilian-M.PL like of football
'We Brazilians like football.'
- (20) A gente brasileiro-o tem um preconceito danado contra a
A GENTE Brazilian-M.SG have a prejudice damn against the
internacionalização.
internationalization
'We Brazilians have a lot of prejudice against internationalization.'



Correspondence with **Agreement Hierarchy** (Corbett 2006, 2015)

attributive > predicate > relative pronoun > personal pronoun

Table 3: Agreement Hierarchy

For any controller that permits alternative agreements, as we move rightwards along the Agreement Hierarchy, the likelihood of agreement with greater semantic justification will increase monotonically (that is, with no intervening decrease).

(Corbett 2006: 207)



Constraining agreement

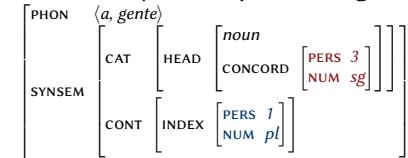
What do we need to give an analysis of the agreement mismatches?

- ▶ lexical entries for *a gente* and *nós*
- ▶ realisation constraint for the phonetic form of the verb
- ▶ inflection rules allowing for the variation



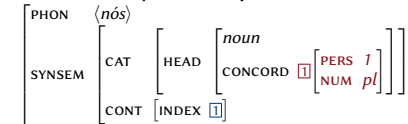
a gente: The values of CONCORD (**syntactic** PER and NUM values) and the values of INDEX (**semantic** PER and NUM values) are **different**.

(21) Lexical entry for the pronoun *a gente*



nós: The values of CONCORD and INDEX are **structure shared**.

(22) Lexical entry for the pronoun *nós*



(Kathol 1999; Wechsler & Zlatić 2003; Wechsler 2021)



We assume that **verbs** have also a **CONCORD feature**.

(following AGR in Kathol 1999)

The **function** Φ takes a *phonstring*, e.g. the stem of the verb *am-* ‘love’ and the CONCORD values of the *verb-word* and outputs the corresponding phonetic form.
(following Wechsler & Zlatić 2003)

(23) Constraint on *verb-word*

$$\text{verb-word} \Rightarrow \left[\begin{array}{l} \text{PHON } \Phi(\text{phonstring}, \boxed{1}) \\ \text{SYNSEM} \mid \text{CAT} \mid \text{HEAD} \mid \text{CONCORD } \boxed{1} \end{array} \right]$$

(24) a. *am-* + 1.PL = *am-amos*

b. *am-* + 3.SG = *am-a*

(25) a. *com-* + 1.PL = *com-emos*

b. *com-* + 3.SG = *com-e*



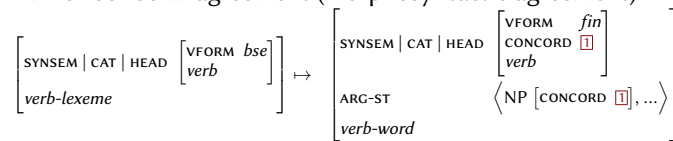
HPSG offers an integrated account of [agreement] phenomena. In most cases the analysis of agreement phenomena does not involve any special formal devices dedicated for agreement, comparable to the probe and goal, or the AGREE relation, found in Minimalist accounts (Chomsky 2000).

(Wechsler 2021: 220)

We offer a **lexicalist account** for agreement (and its mismatches), based on two lexical rules that specify the CONCORD value of the verb w.r.t. its subject.



(26) LR1 for CONCORD agreement (morphosyntactic agreement)



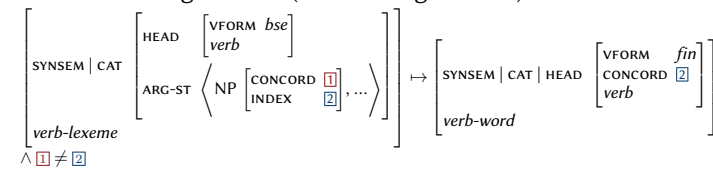
(23) Constraint on *verb-word*

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- (27) a. LR1 → a gente + am-a
- b. LR1 → nós + am-amos
- c. a gente + am-amos



(28) LR2 for INDEX agreement (semantic agreement)



(23) Constraint on *verb-word*

$$\text{verb-word} \Rightarrow \left[\begin{array}{l} \text{PHON } \Phi(\text{phonstring}, \boxed{1}) \\ \text{SYNSEM} \mid \text{CAT} \mid \text{HEAD} \mid \text{CONCORD } \boxed{1} \end{array} \right]$$

- (29) a. LR1 → a gente + am-a
- b. LR1 → nós + am-amos
- c. LR2 → a gente + am-amos



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Distribution of the data

Our **grammar** can produce these patterns, but w.r.t. **usage** they are evaluated differently:

- (30) a. LR1 → nós + am-amos [more formal]
- b. LR1 → a gente + am-a [neutral]
- c. LR2 → a gente + am-amos [more informal]

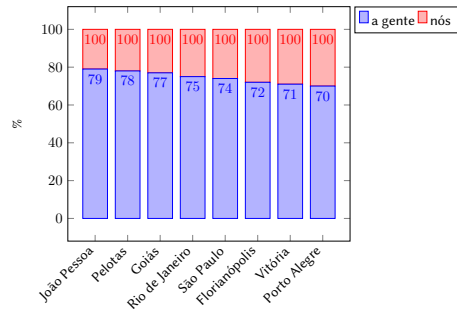
A **descriptively adequate grammar** should be consistent not only with **large-scale generalizations**, but also with **marked and infrequent patterns** attested, for instance, in corpora. (cf. Meurers & Müller 2009)



a gente vs. *nós*

In **spoken language**, *a gente* is the **most productive variant** to express the semantic variable 1.PL across varieties of BP.

Prevalence of *a gente* ranges **between 79% and 70%** (all regions).



João Pessoa: Fernandes (2004),
Vianna & Lopes 2012: 98)
Pelotas: Borges (2004: 129)
Goiás: Mattos (2013: 108)
Rio de Janeiro: Lopes (2004: 69)
São Paulo: Rubio & Gonçalves (2012: 1016)
Florianópolis: Seara (2000: 181)
Vitória: Mendonça (2012: 4)
Porto Alegre: Zilles (2002: 302)

Fig. 1: *a gente* vs. *nós* alternations in BP varieties



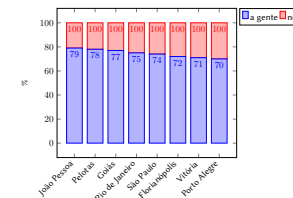
No substantial **variation** across **regional varieties** (70% – 79%)

Studies: **mixed** samples

- ▶ diverse age-groups
- ▶ genders
- ▶ educational levels

4 out of 5 **macro-regions** in Brazil

- ▶ South (Pelotas, Florianópolis and Porto Alegre)
- ▶ Southeast (Rio de Janeiro, São Paulo and Vitória)
- ▶ Central-West (Goiás)
- ▶ Northeast (João Pessoa)



This indicates a relatively advanced **change in progress** (cf. Labov 1972): *a gente* is **gradually replacing** *nós* in most contexts.



Social embedding of *a gente* in the state of Goiás:

(according to Mattos 2013: 111–112)

Social variables	N/Total	Frequency	Weight
Age			
16–24	602/690	87%	.70
25–40	715/933	77%	.49
41–86	269/439	61%	.23
Education			
High School	703/812	87%	.69
College	883/1250	71%	.37
Gender			
Feminine	782/984	80%	.60
Masculine	804/1078	75%	.41
Total	1586/2062	77%	Input: .83

Table 4: Significant social variables for *a gente* vs. *nós*



External factors identified for variation:

- ▶ **age**: *a gente* is more widespread among **younger speakers** than among older ones. (Seara 2000; Zilles 2005; Maia 2009; Rubio & Gonçalves 2012)
- ▶ **education**: *a gente* is more widespread among **less educated speakers** than among more educated ones. (Monteiro 1994; Omena 1996; Lopes 1998; Seara 2000; Rubio & Gonçalves 2012)
- ▶ **gender**: *a gente* is more widespread among **female speakers** than among more males. (Monteiro 1994; Seara 2000; Zilles 2005; Borges 2004; Mendonça 2012)



Some of these these mappings between *a gente* and social categories arguably become reflected in a difference in **social meaning** in comparison to the standard 1.PL form *nós*. (Eckert 2012)

Hence, *a gente* is perceived as “**less old**”, “**less educated**”, “**less masculine**”.

In contrast, *nós* is more **positively evaluated** in **careful** and **formal styles**. (Zilles 2005, 2007)

Several subjective reaction studies demonstrate that speakers do in fact perceive *a gente* as more **informal** and less **educated** than *nós*. (Vianna 2006; Brustolin 2009; Freitag 2016; Freitas & Carvalho 2020)



Agreement

A gente is **more frequent** agreeing with verb in **3.SG**.

Nós is **more frequent** agreeing with verb in **1.PL**.

(Rubio & Gonçalves 2012: 1018)

	3.SG	1.PL
nós	14,5% (82/570)	85,5% (488/570)
a gente	94% (1505/1603)	6% (98/1603)

Table 5: Patterns of SVA with *nós* and *a gente*



Taking into consideration the distinction **spoken vs. written** in **subject-verb agreement** for *a gente*: (Marcotulio et al. 2013: 132)

	3.SG	1.PL	3.PL
spoken samples	99% (1046/1054)	1% (8/1054)	0% (0/1054)
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Table 6: SVA with *a gente* in spoken samples and written tests

The use of the **plural agreement** increases in **written** texts.



Taking into consideration the distinction **spoken vs. written** in **agreement with predicative adjectives**: (Marcotulio et al. 2013: 133)

	M.SG	M.PL	F.SG	F.PL
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Table 7: PA with *a gente* in spoken samples and written tests

The use of the **plural agreement** increases in **written** texts.



Interim summary

Our **grammar** can license the utterances that are **attested** in the data.

The **judgements** w.r.t. the different combinations **vary** according to some external factors.

- ▶ The perception of **nós** is more formal.
- ▶ The use of **a gente** is more productive, (more neutral).
- ▶ In **spoken** texts:
 - ▶ *a gente* is used (almost) only with 3.sc.
- ▶ In **written** texts:
 - ▶ the use of *a gente* with 1.PL increases.

To which extent can this be reflected by the grammar?

→ register-driven variation



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Register

Register variation: intra-individual variation in linguistic behaviour influenced by situational and functional settings (Lüdeling et al. 2022: 2)

That is: In which **communicative situation** do we prefer a **linguistic form** over another?

This type of variation interacts with all levels of linguistic description:

(31) Ich { **habe es** / **hab's** } gekauft.
I have it have.it bought
'I have bought it.'

(32) Meine Frau ist { **Polizistin** / **Bulle** }.
my wife is policewoman cop
'My wife is a policewoman.'

(33) I will arrive at { **3:32** / **half past 3** }. (cf. Solt 2015)



Questions related to register:

- ▶ Which **grammatical framework** is well suited to deal with register-driven variation?

(Jackendoff & Audring 2020; Adger 2006; Paolillo 2000; Bender 2001)

- ▶ Should we assume **multiple grammars** (one for each register) or **one single grammar**? (Yang 2002; Adger 2006; Machicao y Priemer et al. 2022)

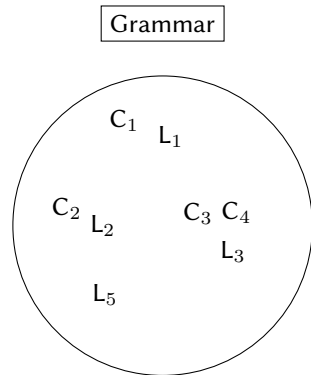
- ▶ Are we dealing with **discrete** or **probabilistic** differences?

(Paolillo 2000; Asadpour et al. 2022; Schäfer et al. 2022; Machicao y Priemer et al. 2022)



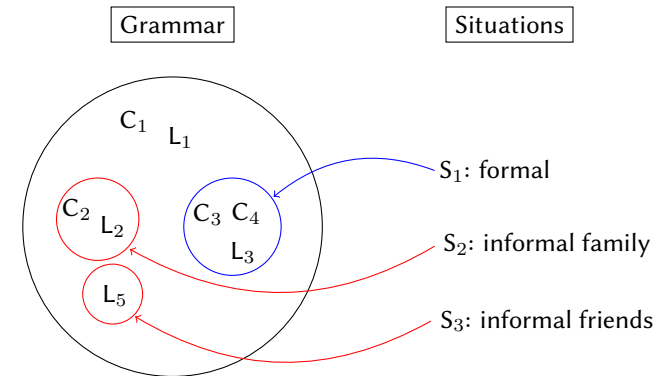
Grammar acquisition:

In the course of our life, we acquire **lexemes** and **constraints** to combine or transform linguistic objects (i.e. phonology, morphology, syntax).



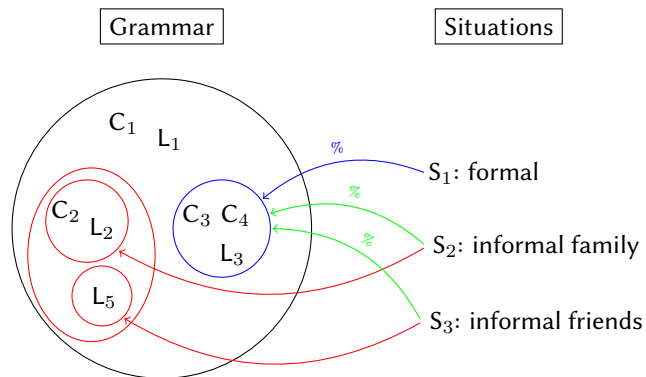
Register acquisition:

In **communicative situations**, we learn that there are different **external factors** (socio-cultural factors) and that according to them we use different parts for the grammar with a **higher probability** in one situation than in another. → **building registers**



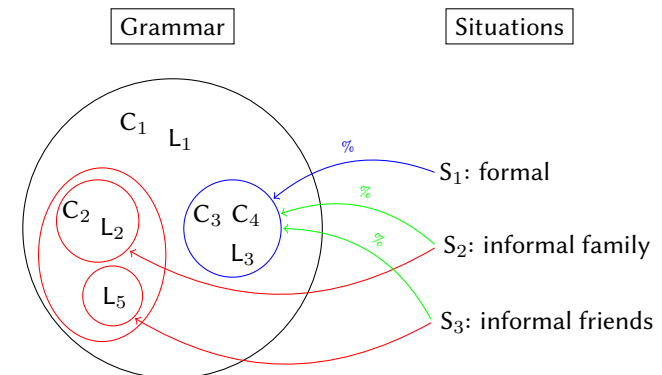
Register acquisition:

In further **communicative situations**, we can cluster registers, or change their content (cf. “youth language”). → **registers are dynamic**



Register acquisition:

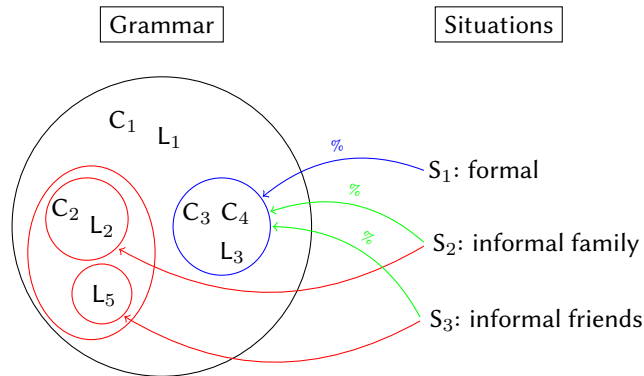
The combination of a linguistic form from an **informal** register with one of a **formal** register is possible and **grammatical**, but it is **less probable** and **less adequate**. → **register clash**





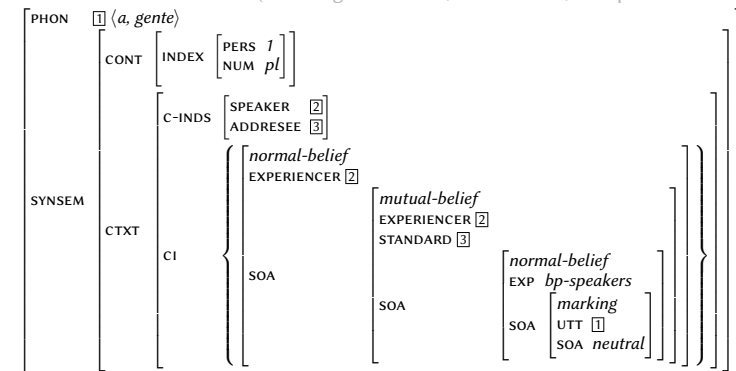
We assume that we abstract away from the real life situations and encode this information into the grammatical component as **social meanings**.

(following Paolillo 2000; Bender 2007; Asadpour et al. 2022)



(34) Social meaning of *a gente* encoded as **conventional implicatures**

(following Green 1994; Paolillo 2000; Asadpour et al. 2022)

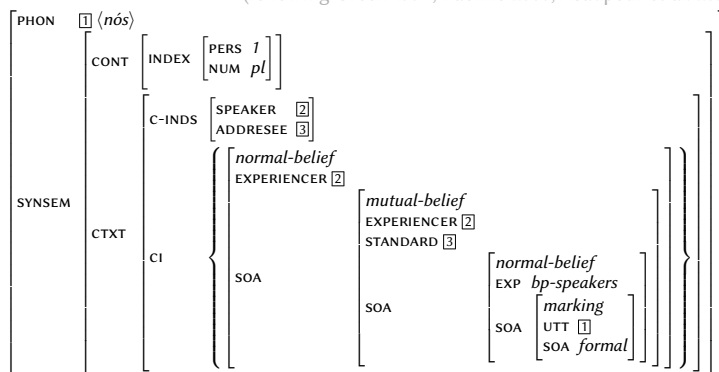


The **speaker** believes that it is a **mutual belief** between speaker and addressee that it is the **normal belief** that BP speakers mark *a gente* as **neutral**.



(35) Social meaning of *nós* encoded as **conventional implicatures**

(following Green 1994; Paolillo 2000; Asadpour et al. 2022)



The **speaker** believes that it is a **mutual belief** between speaker and addressee that it is the **normal belief** that BP speakers mark *nós* as **formal**.



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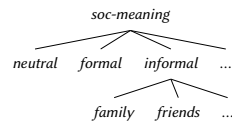
The **judgements** w.r.t. the different combinations **vary** according to some external factors.

- ▶ The perception of *nós* is more formal.
- ▶ The use of *a gente* is more productive, (more neutral).
- ▶ In **spoken** texts:
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- ▶ In **written** texts:
 - ▶ the use of *a gente* with 1.PL increases.



Our hypothesis (/open questions):

- ▶ **nós** → *formal*
- ▶ **a gente** → *neutral*
(at least becoming *neutral* because of productivity)
- ▶ **LR1** → *neutral*
(syntactic agreement)
- ▶ **LR2** → *informal*
(semantic agreement by mismatch with syntactic features)



- (36) a. LR1 → nós + am-amos [more formal]
 b. LR1 → a gente + am-a [neutral]
 c. LR2 → a gente + am-amos [more informal]



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Conclusions

- ▶ on a **grammatical level**
 - ▶ the grammar allows for all attested variations
 - ▶ difference between CONCORD and INDEX agreement by means of LR1 & LR2
- ▶ on a **usage level**
 - ▶ by means of **social meanings** which are **reflexes of the communicative situations**
 - ▶ constraints that predict/describe the judgements of speakers
- ▶ open:
 - ▶ how to include **frequencies** into the grammatical component?



References I

- Adger, David. 2006. Combinatorial variability. *Journal of Linguistics* 42(3). 503–530. doi:10.1017/S002222670600418x.
- de Alencar, Leonel Figueiredo. 2013. Modelação computacional de padrões variáveis de concordância em português. *Revista de Estudos da Linguagem* 21(1). 43–110.
- Asadpour, Hiwa, Shene Hassan & Manfred Sailer. 2022. Non-wh relatives in English and Kurdish: Constraints on grammar and use. In Stefan Müller (ed.), *Proceedings of the 29th International Conference on Head-Driven Phrase Structure Grammar, Nagoya University & Institute for Japanese Language and Linguistics*. Frankfurt/Main: University Library. <https://proceedings.hpsg.xyz/index>.
- Bender, Emily M. 2001. *Syntactic variation and linguistic competence: The case of AAVE copula absence*. Stanford University PhD thesis. https://faculty.washington.edu/ebender/dissertation/bender_thesis.pdf.
- Bender, Emily M. 2007. Socially meaningful syntactic variation in sign-based grammar. *English Language and Linguistics* 11(2). 347–381. doi:10.1017/S1360674307002286.
- Borges, Paulo R S. 2004. *A gramaticalização de a gente no português brasileiro*. Porto Alegre: Universidade Federal do Rio Grande do Sul dissertation.
- Brito, Dorothy Bezerra Silva de & Adeilson Pinheiro Sedrins. 2017. Sistemas de concordância e de correferência no paradigma pronominal de primeira pessoa do plural no português brasileiro. *Atas do V Simpósio Mundial de Estudos em Língua Portuguesa* 13–28.
- Brustolin, Ana Kelly Borba da Silva. 2009. *Itinerário do uso e variação de nós e a gente em textos escritos e orais de alunos do ensino fundamental da rede pública de Florianópolis*. Florianópolis: Universidade Federal de Santa Catarina MA thesis.



References II

- Carvalho, Dannel da Silva, Dorothy Bezerra Silva de Brito & Adeilson Pinheiro Sedrins. 2018. Referência de primeira pessoa e anáfora em português brasileiro. *ReVEL* 16(30). 127–145.
- Chomsky, Noam. 2000. Minimalist inquiries: The framework. In Roger Martin, David Michaels & Juan Uriagereka (eds.), *Step by step: Essays on minimalist syntax in honor of Howard Lasnik*, 89–155. Cambridge, MA: MIT Press.
- Comrie, Bernard, Martin Haspelmath & Balthasar Bickel. 2015. Leipzig glossing rules. <http://www.eva.mpg.de/lingua/resources/glossing-rules.php>.
- Corbett, Greville G. 2006. *Agreement* Cambridge Textbooks in Linguistics. Cambridge: Cambridge University Press.
- Corbett, Greville G. 2015. Hybrid nouns and their complexity. In Jürg Fleischer, Elisabeth Rieken & Paul Widmer (eds.), *Agreement from a diachronic perspective* (Trends in Linguistics 287), 191–214. Berlin: Mouton de Gruyter.
- Costa, João & Sandra Pereira. 2013. a gente: Pronominal status and agreement revisited. *The Linguistic Review* 30(2). 161–184.
- Eckert, Penelope. 2012. Three waves of variation study: The emergence of meaning in the study of sociolinguistic variation. *Annual review of Anthropology* 41(1). 87–100.
- Fernandes, Eliene. 2004. Fenômeno variável: nós e a gente. In *Estudos sociolinguísticos: perfil de uma comunidade*, João Pessoa: ILAPEC.
- Freitag, Raquel Meister Ko. 2016. Uso, crença e atitudes na variação na primeira pessoa do plural no português brasileiro. *DELTA: Documentação de Estudos em Lingüística Teórica e Aplicada* 32(4). 889–917.



References III

- Freitas, Maylle Lima & Hebe Macedo Carvalho. 2020. Quem somos “nós” e quem é “a gente”? uma abordagem de avaliação linguística e social da variável de primeira pessoa plural. In Raket Beserra de Macêdo Viana, Lorena da Silva Rodrigues, Valdecy de Oliveira Pontes & Hebe Macedo Carvalho (eds.), *Estudos em sociolinguística variacionista e sociofuncionalismo*, 124–142. São Paulo: Pimental Cultural.
- Green, Georgia M. 1994. The structure of context: The representation of pragmatic restrictions in HPSG. In James H. Yoon (ed.), *Proceedings of the fifth annual conference of the formal Linguistics Society of Mid-America*, vol. 1/2 (Studies in the Linguistic Sciences 24), 215–232. Urbana, IL: Department of Linguistics, University of Illinois.
- Jackendoff, Ray & Jenny Audring. 2020. *The texture of the lexicon: Relational Morphology and the Parallel Architecture*. Oxford: Oxford University Press. doi:10.1093/oso/9780198827900.001.0001.
- Kathol, Andreas. 1999. Agreement and the syntax-morphology interface in HPSG. In Robert Levine & Georgia M. Green (eds.), *Studies in contemporary phrase structure grammar*, 223–274. Cambridge: Cambridge University Press.
- Labov, William. 1972. *Sociolinguistic patterns* 4. Philadelphia, PA: University of Pennsylvania Press.
- Lopes, Célia Regina dos Santos. 1998. Nós e a gente no português falado culto do Brasil. *DELTA: Documentação de Estudos em Lingüística Teórica e Aplicada* 14. 405–422.
- Lopes, Célia Regina dos Santos. 1999. *A inserção de “a gente” no quadro pronominal português: percurso histórico*. Rio de Janeiro: Universidade Federal do Rio de Janeiro dissertation.
- Lopes, Célia Regina dos Santos. 2004. A gramaticalização de a gente em português em tempo real de longa e de curta duração: retenção e mudança na especificação dos traços intrínsecos. *Fórum linguístico* 4(1). 47–80.



References IV

- Lüdeling, Anke, Artemis Alexiadou, Aria Adli, Karin Donhauser, Malte Dreyer, Markus Egg, Anna Helene Feulner, Natalia Gagarina, Wolfgang Hock, Stefanie Jannedy, Frank Kammerzell, Pia Knoeferle, Thomas Krause, Manfred Krifka, Silvia Kutscher, Beate Lütke, Thomas McFadden, Roland Meyer, Christine Mooshammer, Stefan Müller, Katja Maquate, Muriel Norde, Uli Sauerland, Stephanie Solt, Luka Szucsich, Elisabeth Verhoeven, Richard Waltereit, Anne Wolfsgruber & Lars Erik Zeige. 2022. Register: Language users’ knowledge of situational-functional variation. *Register Aspects of Language in Situation* 1. 1–58. doi:10.18452/24901.
- Machicao y Priemer, Antonio, Stefan Müller, Roland Schäfer & Felix Bildhauer. 2022. Towards a treatment of register phenomena in HPSG. In Stefan Müller (ed.), *Proceedings of the 29th International Conference on Head-Driven Phrase Structure Grammar (HPSG 2022)*, Nagoya University & Institute for Japanese Language and Linguistics, Stanford, CA: CSLI Publications.
- Maia, Francisca Paula Soares. 2009. A variação nós/a gente no dialeto mineiro: investigando a transição. *Revista da ABRALIN* 8(2). 45–70.
- Marcotulio, Leonardo, Juliana Vianna & Célia Lopes. 2013. Agreement patterns with a gente in Portuguese. *Journal of Portuguese Linguistics* 12(2).
- Mattos, Shirley Eliany Rocha. 2013. *Goiás na primeira pessoa do plural*. Brasília: Universidade de Brasília dissertation.
- Mendonça, Alexandre Kronemberger de. 2012. Nós e a gente na cidade de Vitória: análise da fala capixaba. *PERCursos Linguísticos* 2(4). 1–18.
- Menuzzi, Sérgio. 2000. First person plural anaphora in Brazilian Portuguese: chains and constraint interaction in binding. In João Costa (ed.), *Portuguese syntax*, 191–240. Oxford: Oxford University Press.



References V

- Meurers, Walt Detmar & Stefan Müller. 2009. Corpora and syntax. In Anke Lüdeling & Merja Kytö (eds.), *Corpus linguistics: An international handbook*, Berlin: De Gruyter.
- Monteiro, Jose Lemos. 1994. *Pronomes pessoais*. Fortaleza: EUFC.
- Omena, Nelize Pires de. 1996. A referência à primeira pessoa no plural. In Giselle Machline Silva & Maria Marta Pereira Scherre (eds.), *Padrões sociolinguísticos*, 311–323. Rio de Janeiro: Tempo Brasileiro.
- Paolillo, John C. 2000. Formalizing formality: An analysis of register variation in Sinhala. *Journal of Linguistics* 36(2). 215–259. doi:10.1017/S002226700008148.
- Pereira, Sandra Maria de Brito. 2003. *Gramática comparada de “a gente”: variação no Português Europeu*. Lisbon: Universidade de Lisboa dissertation.
- Reuland, Eric. 2011. *Anaphora and language design*. Cambridge, MA: MIT Press.
- Rubio, Cássio Florêncio & Sebastião Carlos Leite Gonçalves. 2012. A fala do interior paulista no cenário da sociolinguística brasileira: panorama da concordância verbal e da alternância pronominal. *Alfa: Revista de Linguística* 56(1). 1003–1034.
- Schäfer, Roland, Felix Bildhauer, Elizabeth Pankratz & Stefan Müller. 2022. Modelling registers. Ms. Humboldt=Universität zu Berlin.
- Seara, Izabel Christine. 2000. A variação do sujeito nós e a gente na fala florianopolitana. *Organon* 14(28-29). 179–194.
- Solt, Stephanie. 2015. Vagueness and imprecision: Empirical foundations. *Annual Review of Linguistics* 1(1). 107–127. doi:10.1146/annurev-linguist-030514-125150.
- Taylor, Michael. 2009. On the pronominal status of Brazilian Portuguese a gente. *NYU Working Papers in Linguistics* 2. 1–36.



References VI

- Varaschin, Giuseppe. 2021. *A simpler syntax of anaphora*. Florianopolis: Universidade Federal de Santa Catarina dissertation.
- Vianna, Juliana Barbosa de Segadas. 2006. *A concordância de nós e a gente em estruturas predicativas na fala e na escrita carioca*. Rio de Janeiro Universidade Federal do Rio de Janeiro MA thesis.
- Vianna, Juliana Barbosa de Segadas & Célia Regina dos Santos Lopes. 2012. A variação entre nós e a gente: uma comparação entre o português europeu e o português brasileiro. *Revista do GELNE* 14(1/2). 95–116.
- Wechsler, Stephen. 2021. Agreement. In Stefan Müller, Anne Abeillé, Robert D. Borsley & Jean-Pierre Koenig (eds.), *Head-Driven Phrase Structure Grammar: The handbook* (Empirically Oriented Theoretical Morphology and Syntax 9), 217–242. Berlin: Language Science Press. doi:10.5281/zenodo.5599828.
- Wechsler, Stephen & Larisa Zlatic. 2003. *The many faces of agreement* Stanford Monographs in Linguistics. Stanford: Center for the Study of Language and Information.
- Yang, Charles. 2002. *Knowledge and learning in natural language*. Oxford University Press. doi:10.1007/978-1-4419-1428-6_837.
- Zilles, Ana M. S. 2002. Grammaticalization of a gente in brazilian portuguese. *University of Pennsylvania Working Papers in Linguistics* 8(3). 22.
- Zilles, Ana M. S. 2005. The development of a new pronoun: The linguistic and social embedding of a gente in brazilian portuguese. *Language Variation and Change* 17(1). 19–53.
- Zilles, Ana M. S. 2007. O que a fala e a escrita nos dizem sobre a avaliação social do uso de a gente? *Letras de Hoje* 42(2).