

The Dial2 project: pipeline, results, news and future work

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17.09.2024

Precursors

Precursors of the project



Nina Dobrushina



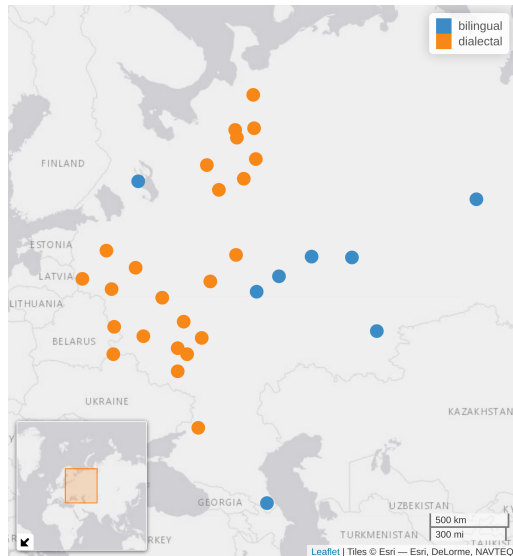
Michael Daniel

- Multiple sociolinguistic expeditions to Daghestan
- Several dialect expeditions to Ustyia

Bilingual Corpora

<p>Corpus of Russian spoken in Daghestan 376,717 tok.</p>	<p>Khanty Russian Corpus 40,225 tok.</p>	
	<p>Corpus of Russian spoken in Chuvashia 46,307 tok.</p>	<p>Corpus of Russian spoken by the Roma 41,767 tok.</p>
	<p>Corpus of Russian spoken in Mari El 69,109 tok.</p>	
<p>Corpus of Karelian Russian 578,646 tok.</p>	<p>Corpus of Russian spoken in Bashkortostan 93,127 tok.</p>	
	<p>Corpus of Russian spoken by the Besermans 97,216 tok.</p>	

Bilingual and Dialectal Corpora



Created with lingtypology [Moroz, 2017]

Can we analyze variation of linguistic features
across all corpora?

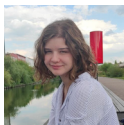
Can we analyze variation of linguistic features
across all corpora?

What are the factors that influence variation?

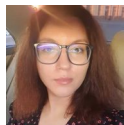
The DiaL2 team



Maria Ermolova



Anna Grishanova



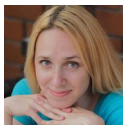
Natalia Koshelyuk



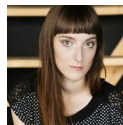
George Moroz



Chiara Naccarato



Anastasia Yakovleva

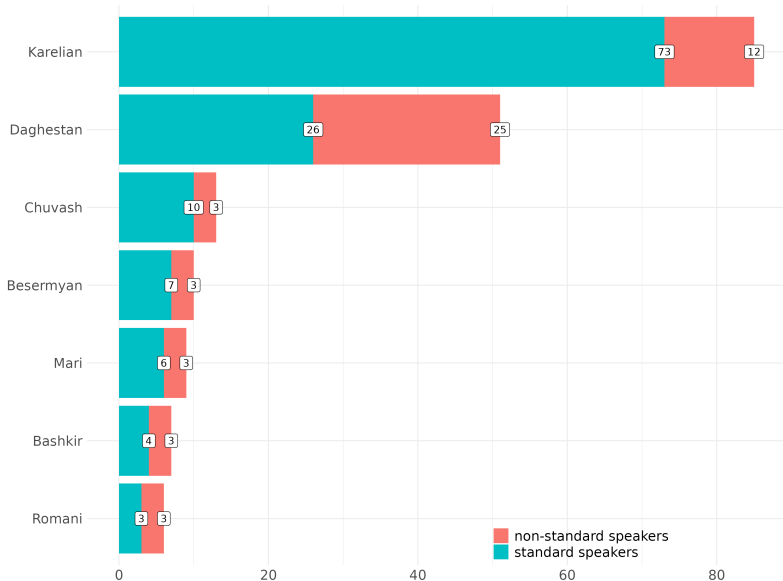


Svetlana Zemicheva

4,144 observations

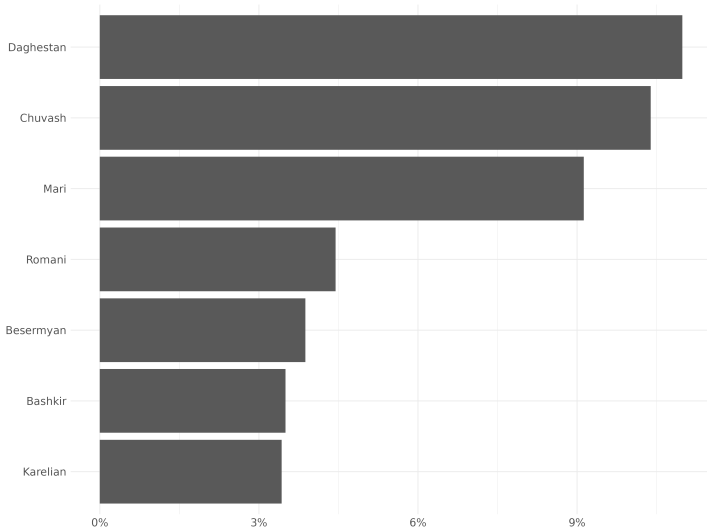
-
- | Feature | Percentage of Languages |
|----------------|-------------------------|
| Karel'ian | 10 |
| Daghestan | 10 |
| Mari | 10 |
| f | 70 |
| m | 30 |
| Karel'ian | 40 |
| Mari | 10 |
| Uralic | 60 |
| East Caucasian | 20 |
| Turkic | 20 |
| lower | 50 |
| higher | 40 |
| fully_standard | 60 |
| non_standard | 40 |
| standard | 100 |
| dva | 10 |
| tri | 10 |
| let | 10 |
| god | 10 |
| other | 50 |
| paucal | 50 |
| no | 80 |
| yes | 20 |
| 9.224 | 10 |

Fully standard (71.3%) vs. non-standard speakers (28.7%)

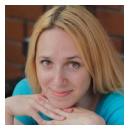


Proportion of non-standard occurrences per corpus

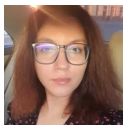
1,748 observations



Propositional Drop



Anastasia Yakovleva



Natalia Koshelyuk



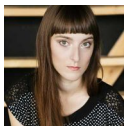
George Moroz

Propositional Drop in Chuvash



Anna Grishanova

Dialect Genitive Plural Forms in Numeral Constructions



Svetlana Zemicheva



Chiara Naccarato



George Moroz

Motivation

- widespread feature
- was studied in standard Russian & bilingual varieties
- in standard Russian some special numerative forms tend to appear in numeral constructions (Kholodilova, forthcoming)
- dialect speech may be controversial to the tendencies observed in other colloquial varieties

Examples

- $\text{Num}(\text{not-paucal})_{\text{nom,acc,gen}} + N_{\text{m,n-Gen.Pl}}$
 - pjat' xozjaev-**ov** (dial. five owner-Gen.Pl)
 - pjat' xozja-ev-Ø (stnd. five owner-Pl-Gen)
- $\text{Num}(\text{paucal})_{\text{acc,gen}} + N_{\text{m,n-Gen.Pl}}$
 - tridcat-i dv-ux god-**ov** (dial. thirty-Gen two-Gen year-Gen.Pl)
 - tridcat-i dv-ux let-Ø (stnd. thirty-Gen two-Gen year-Gen.Pl)

Research questions

- What factors may affect the probability of use of dialect Gen.Pl forms in numeral constructions?
 - Overall frequency of dialect Gen.Pl in different contexts
 - Noun stem
 - Numeral-Noun collocationality level
 - Numeral form (Nom/Gen)
 - Year of birth
 - Education level
 - Gender
- Does dialect “overuse” [[Kasatkin, 2005](#)] of the *-ov* ending affect cases like *kilogram* vs *kilogram-ov*?

Does dialect “overuse” of the *-ov* ending affect measure words?

No

Does noun stem play a role?

Geographical distribution

Does overall frequency of dialect Gen.Pl significant?

Is year of birth significant?

Is education level significant?

Is the level of collocationality significant?

Is the numeral form significant?

Conclusions

- Dialect “overuse” of the *-ov* ending doesn’t affect measure words: zero inflexion forms (*kilogram*) are found in more than 90% of contexts
- Early year of birth & low education level make the probability of using dialect Gen.Pl form higher
- ‘The most frequent pairs survive’ (Chiara): the probability of dialect form higher for nouns which often cooccur with numerals
- The type of noun stem seems to be significant
- Potential contact influence in the case of Spiridonova Buda? (Belorussian)
- The correlation between the frequency of dialect Gen.Pl forms in numeral constructions and other types of contexts is questionable

Negative Existential Constructions



Chiara Naccarato



George Moroz

Negative Existential Constructions

- Existential negation = negation strategies used in existential sentences of the type *there is/are no X (somewhere)*, in which the subject is typically non-referential
- We use the terms “existential negation” and “negative existential constructions” (NECs) in a wider sense to include constructions that are sometimes referred to as “locative negation” (*X is/are not in some place*, in which X is a definite subject) and “possessive negation” (*Y does/do not have X*); cf. [Veselinova, 2013, 110–111]
- All of them predicate absolute absence rather than relative absence, and Russian employs one and the same strategy in all three cases, which is different from the strategy employed in standard negation, i.e. negation of overt verb predicates

Non-standard marking in NECs

- Variation in NECs in bilingual corpora (+ comparison with the monolinguals' variety of Russian spoken in Zvenigorod)

e.g. *gaz ne bylo* vs. *gaza ne bylo*

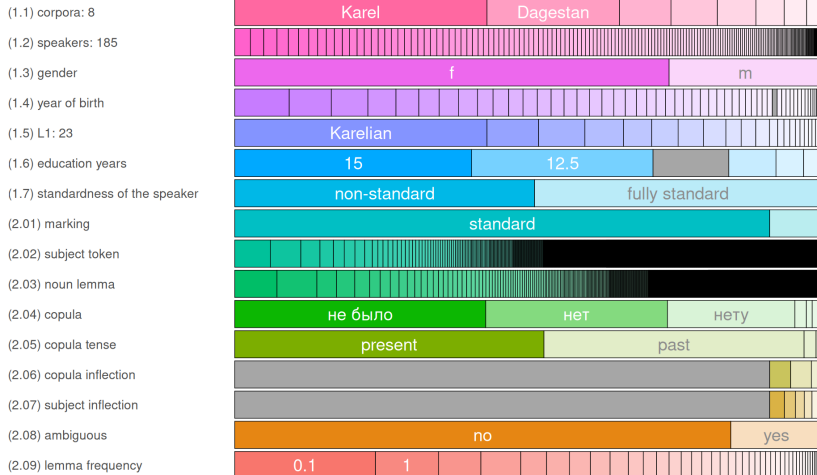
- Previous research on other L2 Russian varieties
 - Nanai and Ulcha Russian [[Stoynova, 2019](#), 27]
 - Moksha Russian [[Kashkin, 2020](#), 116]
 - Hill Mari Russian [[Kashkin, 2022](#), 39]
- Usually treated as a contact phenomenon because in the L1s of Russian bilinguals who display this trait there is no genitive (or any other special) marking of negated subjects

Research questions

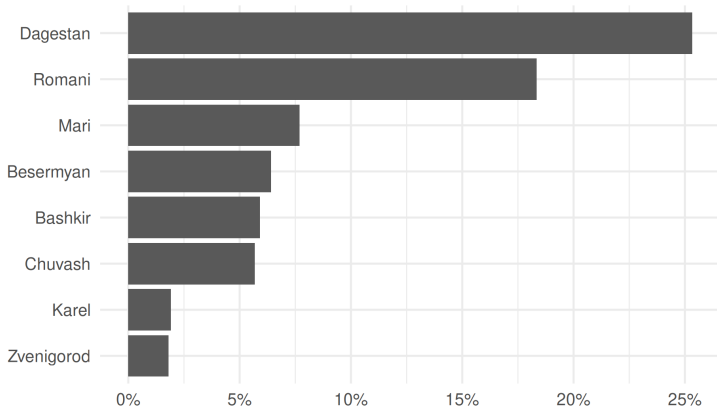
- Does the amount of variation in NECs differ across corpora and/or among speakers of the same variety?
- Can variation in NECs be explained in terms of contact influence?
- Do other factors promote or hinder variation in NECs?

The database and parameters of data annotation

2,309 observations



Proportion of non-standard occurrences per corpus



Types of non-standard marking

- Neuter copula
 - *gaz ne bylo*
- Non-neuter copula
 - *domane byl*
- Agreeing subject (could be pattern borrowing for Daghestan)
 - *bogatye ljudi ne byli*

Statistical modelling

Sideproject

Future plans

- M. Daniel, N. Dobrushina, and S. Knyazev. Highlanders' Russian: Case study in bilingualism and language interference in Central Daghestan. *Slavica Helsingiensia*, 40:65–93, 2010.
- L. L. Kasatkin. *Russkaya dialectologiya* [*Dialectology of Russian*]. Academia, Moscow, 2005.
- E. V. Kashkin. Osobennosti russkoj reči nositelej mokšanskogo jazyka [peculiarities of the russian speech of moksha speakers]. *Trudy instituta russkogo jazyka im V.V. Vinogradova*, 26(4):110–131, 2020.
- E. V. Kashkin. O nestandartnom (zametki o russkoj reči gornyx marijcev) [on non-standard features of russian in the grammar and lexicon of hill mari speakers]. *Rodnoj jazyk*, (2):35–51, 2022.

