Comparing phonological systems and syllable structure of Botlikh and Zilo Andi: a data–driven analysis

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Presentation is available here: tinyurl.com/rvpqdaa

Phonological description: data-driven analysis

	Traditional analysis	Data-driven analysis
1.	Done by trained linguist	Evaluated by trained linguist
2.	Can be done from scratch	Previous description needed (or at least prior expectations)
3.	Doesn't care about amount of data	Care more about amount of data
4.	Less reproducible	More reproducible
5.	Can not be automated	Can be automated

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Data-driven approach to phonological description and syllable structure analysis:

- was proposed in (Moroz 2018)
- was applied to syllable structure in (Moroz 2019) to Adyghe data
- was applied to syllable structure in (Romanova 2019) to Russian and Macedonian data

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- automatically extract phonological units (segments, features, syllable structure etc.)

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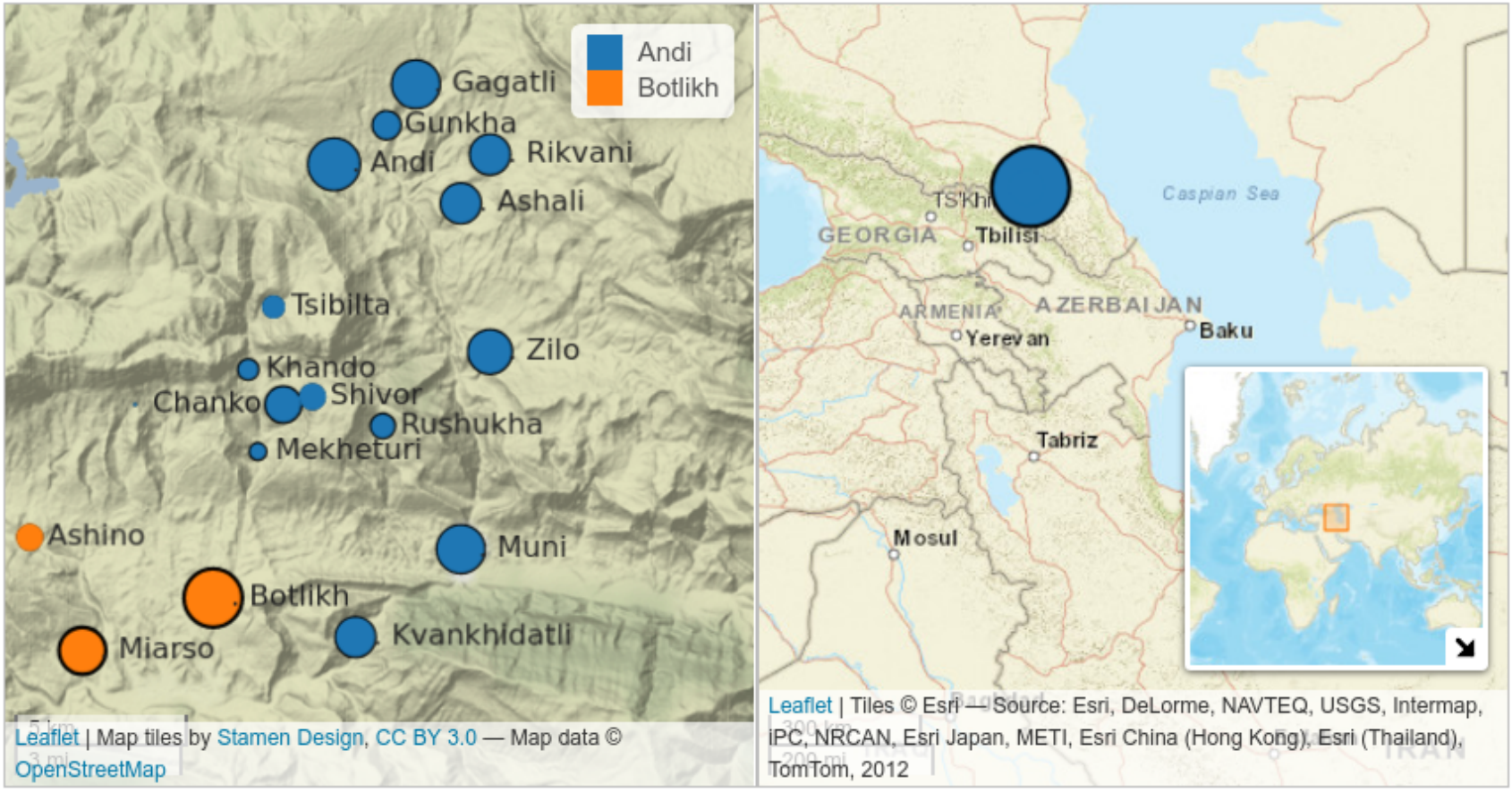
Advantages:

- more reproducible
- could be updated with new data, see (Moroz 2019) slides from SLE on Bayesian typological research
- answers the question *'How often is X present in language(s)?'* rather than *'Is X present in language(s)?'*

Andi and Botlikh villages



- Size of the dot corresponds with number of villages' inhabitants
- All villages except Botlikh are monoethnic
- Created with lingtypology package (Moroz 2017)

Ссылки

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Moroz, G. (2017). *lingtypology: easy mapping for Linguistic Typology*.

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