

Morphology, semantics, and stress interplay in Slovene *-ica* derivations

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GRAZ, 5. 7. 2022

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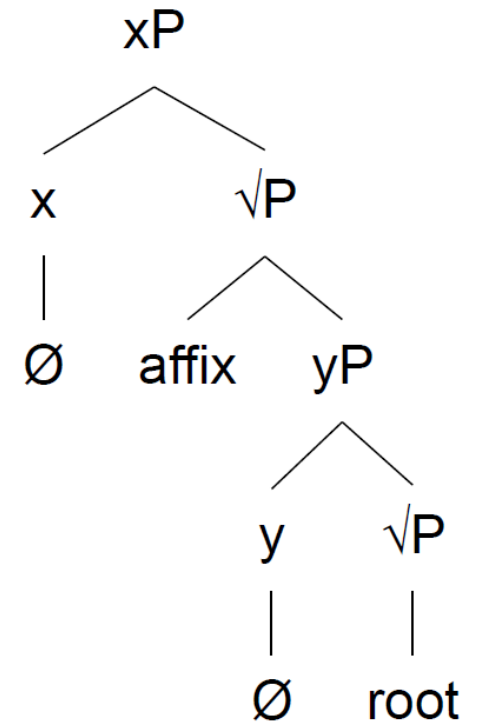
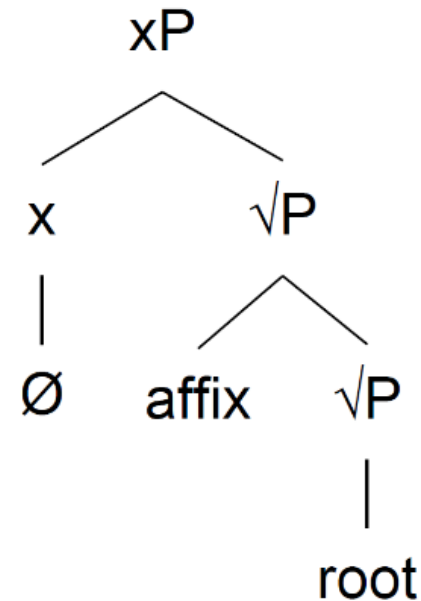
Simonović (2020, to appear)

- Addresses Slovene stress placement
- There is a default stress position in Slovene

- Affixes as roots (Lowenstamm 2014)
- The radical core (Lowenstamm 2014)
- Deradical /decategorial derivations
- Phasal spell-out

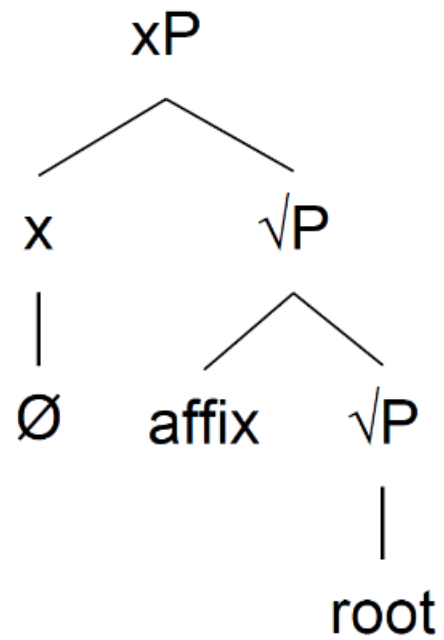
- The default stress position is stem-final / the last (stressable) syllable of the radical core

- Thus: **stress provides an insight into morphological structure**

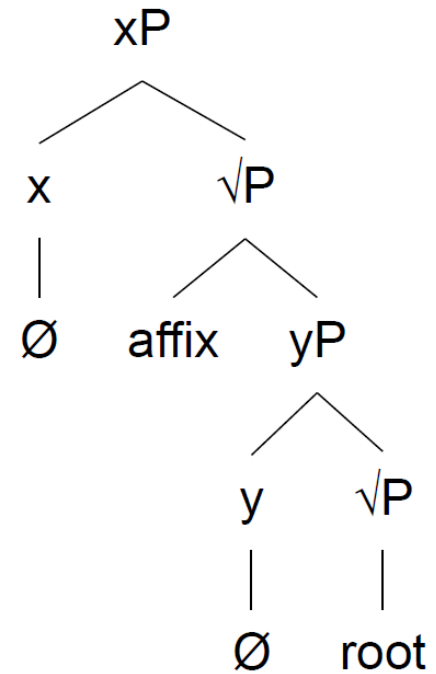


Simonović (2020, to appear); Marvin (2002)

PRAV-ÍC ,JUSTICE.GEN.PL'



ŽÓG-IC ,BALL-DIM.GEN.PL'



Semantics and morphological structure

- Whether a **word's meaning is transparent or not** also provides insight into morphological structure
- Decategorial derivations tend to be semantically transparent
- Deradical derivations tend to be semantically opaque

(Marantz 2001, Arad 2003)

Simonović (to appear):

	av- adjective		base	
a)	búl-av	,lumpy‘	búl-a	,lump‘
b)	blodnj-áv	,delusional‘	blódnj-a	,delusion‘

- **stress – semantics contradiction**

The goal of this project

- Consideration of Simonović's (2020, to appear) suggestion
- Focus on a native Slovene nominal suffix *-ica*
- More attention towards the interaction between
 - overt morphology,
 - semantics, and
 - stress
- Assessing stress as morphological structure predictor more closely

The sample

- Corpus *Gigafida 2.0* (Logar Berginc et al. 2012)
- A random sample of Slovene *-ica* derivations (nouns)
- 583 items
- Annotation of:
 - stress
 - type of derivation (meaning transparency)
 - overt morphology

The sample subgroups

OVERTLY MARKED FOR DERIVATION

POD-PIS-N-ICA
pod-write-n-FEM

,female signer, signatory state‘

UNMARKED FOR DERIVATION

ŽOG-ICA > transparent meaning
ball-DIM

,small ball‘

PRAV-ICA > opaque meaning
right-*ica*

,right, justice‘

Predictions

- Overtly morphologically complex items tend to be decategorial
- Semantically decomposable items tend to be decategorial

- Decategorial derivations > less suffix stress

The sample subgroups – predictions

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LESS SUFFIX STRESS

MORE SUFFIX STRESS

UNMARKED FOR DERIVATION

PRAV-ICA > opaque meaning
right-ica

,right, justice'

Statistical analyses

- **Does overt markedness for derivation predict stress?**
 - More (overt) morphemes = more odds that the derivation is decategorial
 - Decategorial derivations have stem stress (Simonović 2020, to appear)
 - **Prediction > Words overtly marked for derivation have less suffix stress**

- **Does meaning transparency predict stress?**
 - Decategorial derivations tend to be semantically transparent (Marantz 2001, Arad 2003)
 - Decategorial derivations have stem stress (Simonović 2020, to appear)
 - **Prediction > semantically decomposable words have less suffix stress**

- **Do they predict stress better when combined?**
 - If so,
 - one should pay close attention to both when examining Slovene stress
 - stress is a relevant morphological structure predictor (Simonović 2020, to appear)

Does overt markedness for derivation predict stress?

Predictability of stress depending on overt markedness for derivation (full sample)

	Estimate	Standard Error	z value	Pr(> z)	p value
Unmarked	-11.05	6.458e-04	-17113	<2e-16	<0.001
Overtly marked	-14.88	6.457e-04	-23038	<2e-16	<0.001

Does decomposability of meaning predict stress?

Predictability of stress depending on semantic factors
(unmarked-for-derivation group)

	Estimate	Standard Error	z value	Pr(> z)	p value
Opaque meaning	0.8473	0.2817	3.007	0.00263	0.001
Diminutives	-2.8306	0.3940	-7.184	6.79e-13	<0.001

Do they predict stress better when combined?

Predictability of stress considering both morphological and semantic factors (full sample)

	Estimate	Standard Error	z value	Pr(> z)	p value
No factors	10.480	1.221	8.585	<2e-16	<0.001
Both factors	-22.892	1.837	-12.461	<2e-16	<0.001

Concluding the analysis

- This project brings further support for Simonović's (to appear) account
- and to analysing affixes as roots
- also compatible with Marvin (2002)

- However, additionally to stress, both morphological and semantic factors should be included into analysis of morphological structure of words

Simonović (to appear):

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The important next step: A study with native Slovene speakers

- Is the semantics – stress – morphological structure connection **productive in the speakers' minds?**
- Designing an experiment
- Reading task

- Pseudo words derived with real Slovene roots
 - Group 1: more than one morpheme before *-ica* (overtly-marked group)
 - *na-dev-ica* ,*na-give-ica*' (na-dev ,filling')
 - Group 2: only one morpheme before *-ica*, non-diminutive (unmarked, opaque meaning)
 - *žal-ica* ,*sad-ica*'
- Diminutives, formed from given novel words (unmarked, transparent m.)

Reading task

PSEUDO WORDS

Srednje veliko	žlico,	ki	so	jo	včasih	uporabljali	za	pripravo
Medium big	spoon,	which	3.PL	it	once	used.3PL	for	preparing

nadeva, so imenovali *nadevica*.

Filling 3.PL named *nadevica*.

,The medium-sized spoon that was used to make filling was called *fillingspoon*.'

Reading task

PSEUDO DIMINUTIVES

Poga je orodje, ki so ga včasih uporabljali v hlevu.

Poga is tool which 3.PL it once used.3.PL in stable.

Majhni *pogi* so rekli *pogica*.

Small *poga* 3PL call *poga.DIM*.

,A *poga* is a tool that was used in the stable. Small *pogas* were called *poga.DIM*.'

Looking ahead

- Not all sample words are explained by this analysis

a) Many morphemes & suffix stress

bor-ov-n-íca
,blueberry‘

rok-av-íca
arm-*av-ica* ,glove‘

b) Diminutives & suffix stress

žen-íca
wife-DIM

megl-íca
fog-DIM

c) Unmarked and opaque & stem stress

mízl-ica
cold-*ica* ,fever‘

súš-ica
dry-*ica* ,tuberculosis‘

Looking ahead

d) Female names – transparent meaning & suffix stress

kralj-íca
king-FEM ,queen‘

tel-íca
calf-FEM ,female calf‘

e) Very bound roots

mál-ica
mal-ica ,meal‘

pál-ica
pal-ica ,stick‘

f) And other questions

- Waiting to be examined

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