



NOMVALLEX: A Valency Lexicon of Czech Nouns and Adjectives

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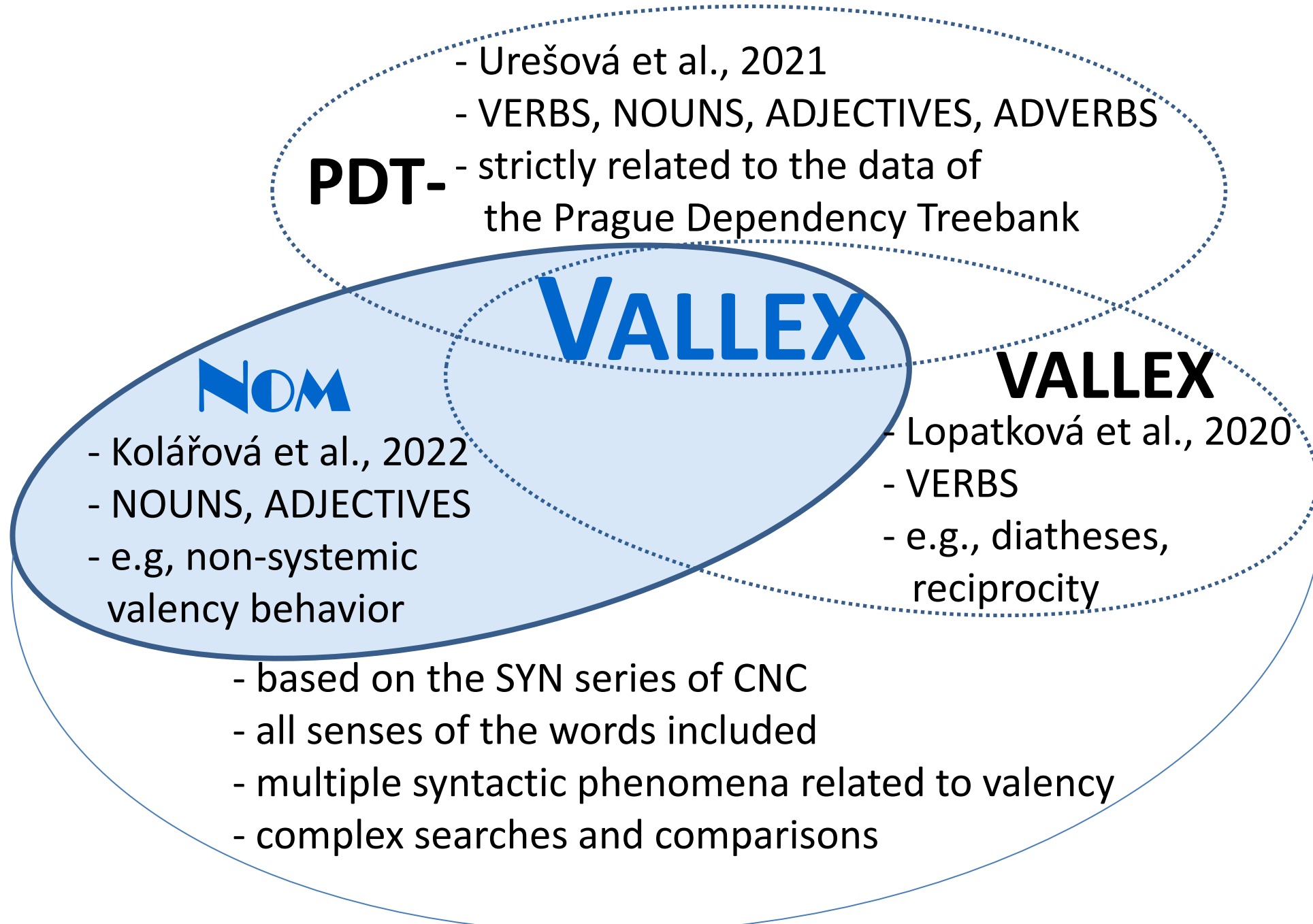
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Czech monolingual VALency LEXicons

- Valency theory of the Functional Generative Description (Panevová 1974-75)

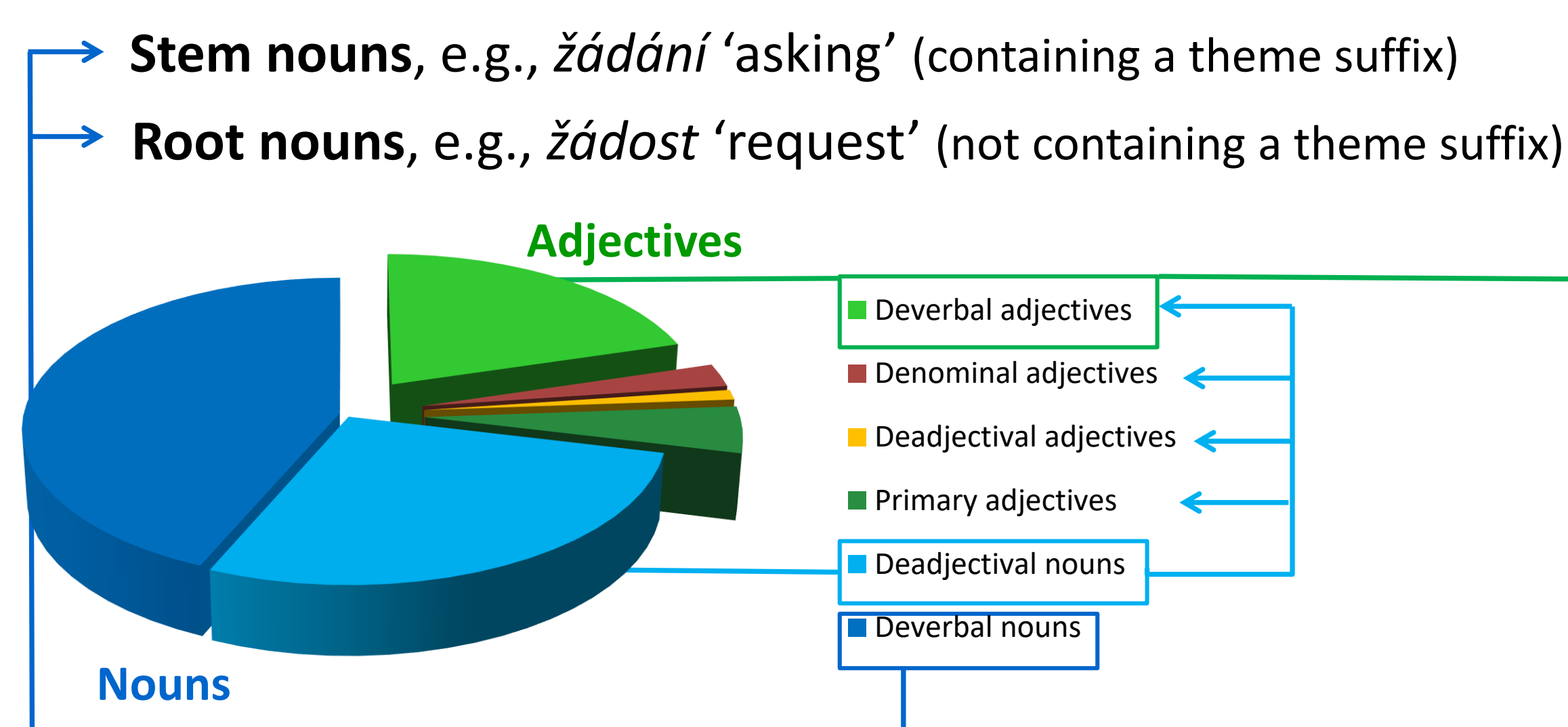


NOMVALLEX 2.0: Part-of-speech and derivational categories

Deverbal adjectives – deverbal derivatives with adjectival inflection:

- 9 types, derived for example from transgressives or participles
- cf. derivatives of the verb *podezírat* ‘to suspect’, e.g., *suspected* or *suspicious*

podezřívající -- *podezřelý* -- *podezíraný* *podezíratelný* *podezíravý* -- *podezřelý*



Part-of-speech category	Derivational category	Lexical units	Lexemes
Nouns	deverbal	505	248
	deadjectival	247	158
Adjectives	deverbal	179	116
	denominal	28	14
	deadjectival	6	6
	primary	62	28
Total		1027	570

A lexicon entry

Lexeme: an abstract unit associating lexical forms with their lexical units

Lexical unit (LU): word sense

<https://ufal.mff.cuni.cz/nomvallex>

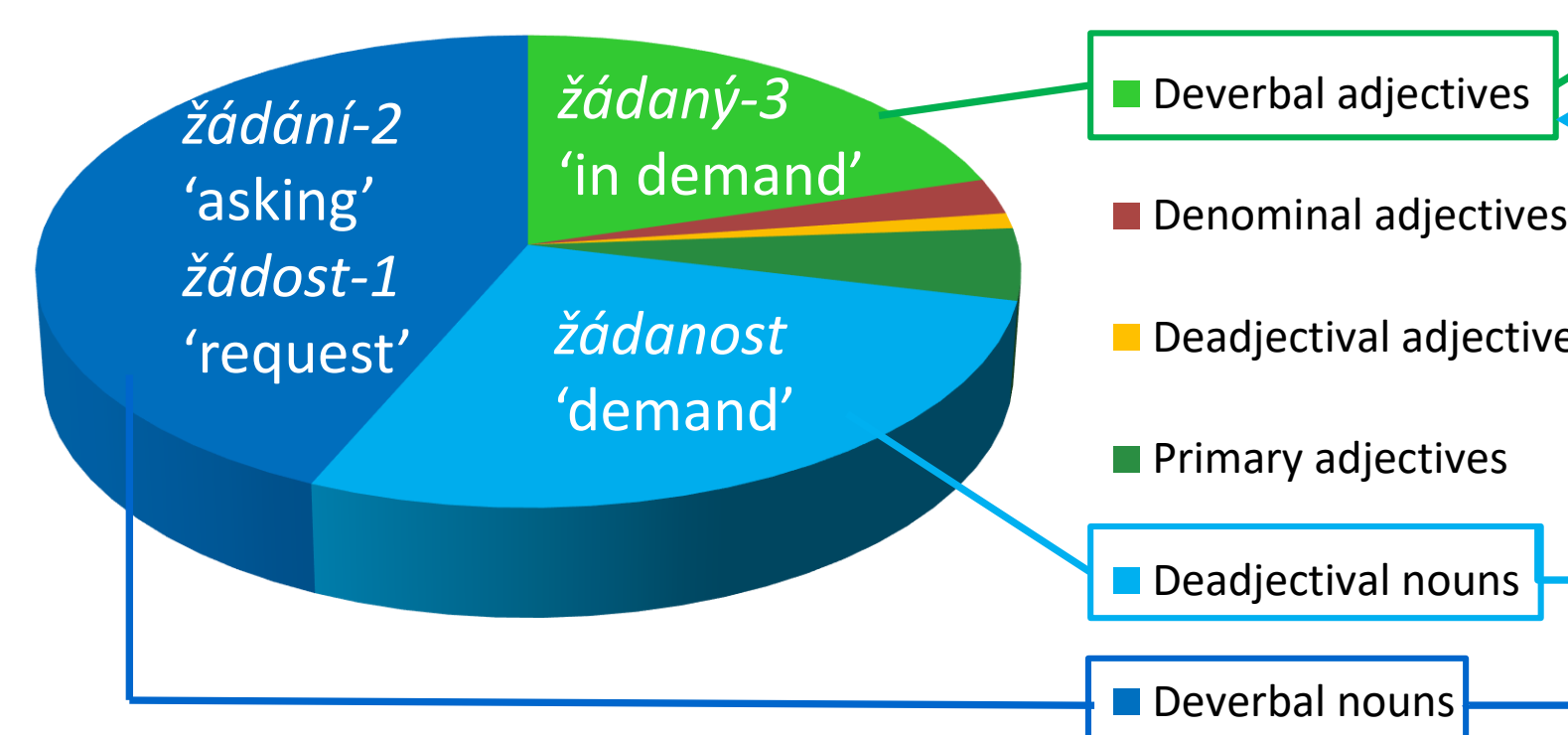


Interlinked lexical units

NOMVALLEX → (NOMVALLEX) → VALLEX

- Links from derived lexical units to their base lexical units
 - in case of verbs, to base verbal lexical units contained in VALLEX
- žádanost* ‘demand’ > *žádaný-3* ‘in demand’ > *žádat-1* ‘to demand’
- žádání-2* ‘asking’ / *žádost-1* ‘request’ > *žádat-2* ‘to ask’

NOMVALLEX



VALLEX

žádat-1

‘to demand’

žádat-2

‘to ask’

Comparison of valency of derivationally related lexical units

- Examination of the extent to which nouns and adjectives share valency properties with their base words
 - argument inheritance hypotheses (Booij 2007)
- An automatic procedure compares their valency frames
 - the number and type of valency slots
 - morphemic forms
- The difference in valency is specified in the ‘valdiff’ attribute and set off in color
- Systemic (regular) and non-systemic (irregular) valency behavior of various derivational types of Czech nominals
 - deverbal adjectives / nouns vs. verbs (Kolářová et al. 2021, Kolářová et al. 2019)

Verb:

žádat *imprf* *žádavat* *iter* ‘to ask’

[blu-v-žádat-2]

ACT *obl* *1* ADDR *obl* *4* PAT *obl* *o+4, inf, aby, at', zda, že*

žádat zaměstnavatele_{Ak} ADDR o práci.PAT
‘to ask the employer.ADDR for a job.PAT’

Stem noun:

žádání (si) *imprf* ‘asking’

žádání zaměstnavatele_{Gen} ADDR o práci.PAT
‘asking the employer.ADDR for a job.PAT’

ACT *obl* *2, 7, pos* ADDR *obl* *2, pos* PAT *obl* *o+4, aby, at', zda*
derivedFrom *blu-v-žádat-2* ACT *1 → 2, 7, pos* ADDR *4 → 2, pos* PAT *o+4, aby, at', zda, inf, že*

Root noun:

žádost *no-aspect* ‘request’

žádost zaměstnavateli_{Dat} ADDR o práci.PAT
‘request to-the-employer.ADDR for a job.PAT’

ACT *obl* *2, pos, od+2* ADDR *obl* *3, k+3* PAT *obl* *2, k+3, na+4, o+4, po+6, inf, aby, at', zda, že*
derivedFrom *blu-v-žádat-2* ACT *1 → 2, pos, od+2* ADDR *3, k+3, 4* PAT *o+4, inf, aby, at', zda, že, 2, k+3, na+4, po+6*