STRESS IN MORPHOLOGY-DEPENDENT SYSTEMS WHEN MORPHOLOGY IS ABSENT: A CASE STUDY FROM L2 GREEK

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AIM: TO INVESTIGATE WHICH STRESS PATTERN EMERGES AS THE PREFERRED ONE IN THE ABSENCE OF MORPHOLOGICAL CONDITIONING IN LI AND L2 GREEK

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1. BACKGROUND

GREEK AND RUSSIAN: Systems with morphology-determined stress. Stress is lexically-encoded and is assigned on the basis of a grammar-specific principle (e.g. headedness, edgemostness, etc.) (Halle 1973, 1997; Kiparsky & Halle 1977; Melvold 1990; Idsardi 1992; Alderete 1999, 2001a,b; Malikouti-Drachman & Drachman 1989; Drachman & Malikouti-Drachman 1999; Revithiadou 1999).

(1) RUSSIAN: neuter nouns in -o (NOM.SG), -a (NOM.PL)

b. zerkalá /zerkal-á/ a. zérkalo /zerkal-o/ 'mirror'

(2) GREEK: feminine nouns in -a (NOM.SG), -on (GEN.PL)

a. Oálasa /Oalas-a/ b. Oalasón /Oalas-ón/

The *phonological default* (=non-lexically inflicted stress) is *Initial* for Russian, (1a) and APU for Greek, (2a).

2. PREVIOUS EXPERIMENTAL STUDIES

FACTORS DETERMINING STRESS PLACEMENT

RUSSIAN (Nikolaeva 1971; Crosswhite et al. 2003; Fainleib 2008; Lavitskaya & Kabak 2011a,b)

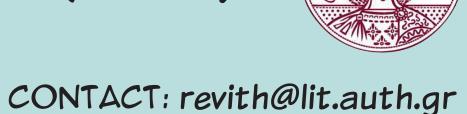
- Type of final segment: C-final words \rightarrow U stress; V-final words \rightarrow U or PU stress
- V-final words: There is a discrepancy between U (Fainleib 2008) and PU (L&K 2011a,b) stress.

- Vowel quality, word length and syllable type of PU play negligible or no role in stress assignment (L&K 2011a, b contra Nikolaeva 1971)

GREEK (Revithiadou, Nikolou & Papadopoulou 2011)

- Type of the final segment: C-final stems \rightarrow U stress; V-final stems \rightarrow U or PU stress





5. RESULTS

RESEARCH QUESTIONS:

QI: How is stress shaped when morphology is at its weakest? Does the phonological default coincide with the emerging (=preferred) stress pattern? Q2: Which pattern arises as the preferred L2 strategy?

3. HYPOTHESES ON L2 ACQUISITION

HYPOTHESIS 1 - THE DEFAULT VALUES HYPOTHESIS (Van de Pas & Zonneveld 2004)

The L2 speaker (over) applies the most unmarked pattern, i.e. the phonological default.

HYPOTHESIS 2 - THE PHONOLOGICAL ACUTENESS HYPOTHESIS (based on Kijak 2009, and building on Dupoux & Peperkamp 2002; Dupoux et al. 2008; Vogel 2000; Altmann & Vogel 2002; Altmann 2006)

LI speakers of a lexical stress language internalize the abstract representation of stress in their Mental Lexicon, hence they are more acute in the perception and production of stress in other languages, esp. when the target-system in L2 is typologically similar.

depending on (a) word size and (b) whether the V matches a specific morphological class marker

CONCLUSION: Phonological default ≠ Emerging default

ITEMS

4. METHOD

PARTICIPANTS

Experiment I: 21 native speakers of Greek; Mean age: 18.1 years old

Experiment 2: 20 Russian speakers of Greek; Mean age: 29.55 years old; Residence: 52.50 months; Proficiency: 90.10/99

PROCEDURE

Elicitation task: Read out 140 sentences containing an acronym or a pseudoword (filler)

> 2940 items (acronyms & fillers) from experiment I and 2800 items from experiment 2: 5740 items in total

Factors controlled: (a) The type of final segment (C vs. V), (b) The size of the word (2 σ vs. 3σ words), (c) The effect of syllable type: close vs. open PU

Experimental conditions (10 items per condition): CV.CV, CVC.CV, CV.CVC, CVC.CVC, CV.CV.CV, CV.CV.CVC

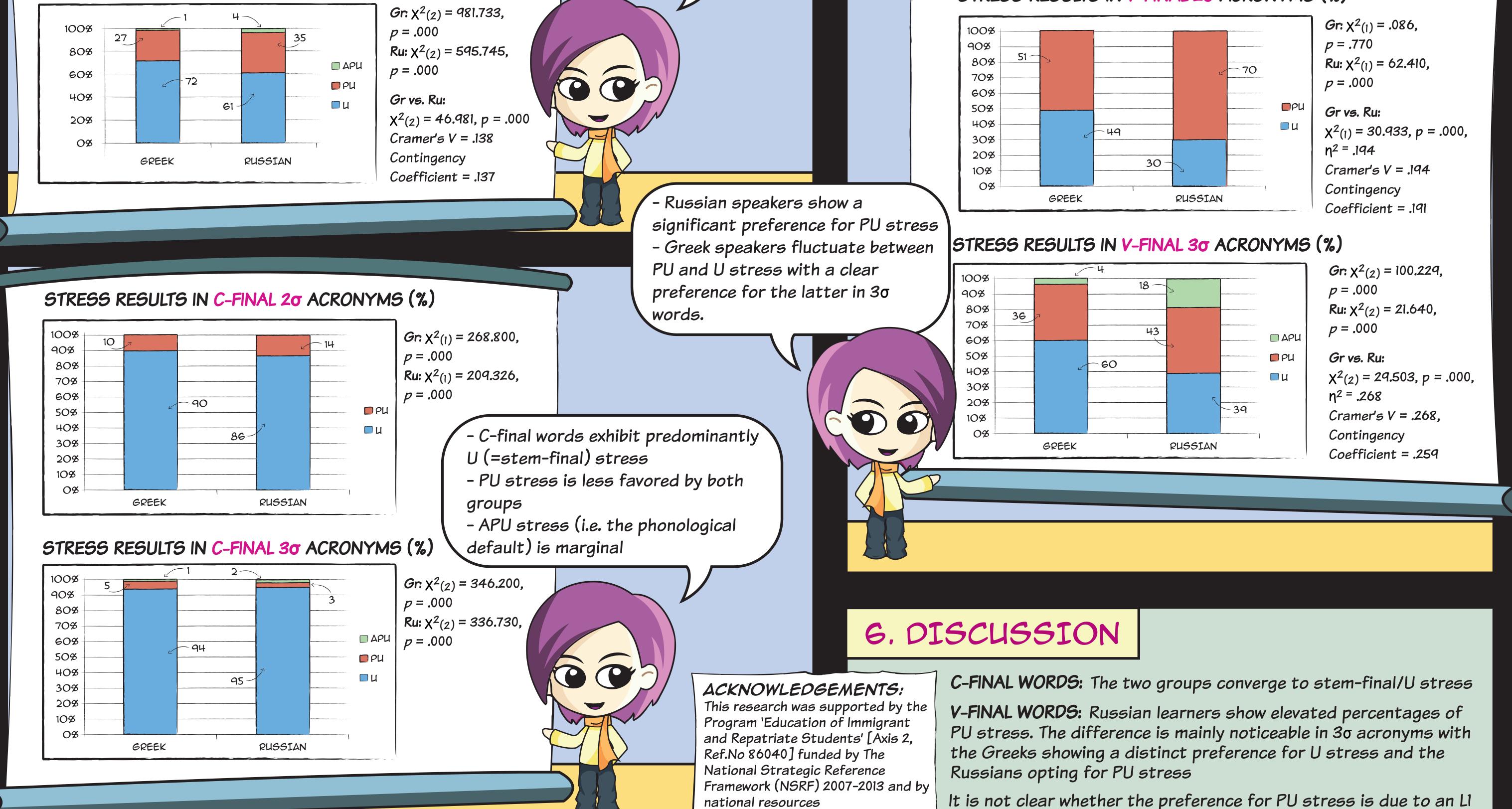
SAMPLE IN GREEK:	TRANSLATION:
 Ο/Η/Το (ΘΑΣΤΑ) δεν 	 The (masc/fem/neut)
ισχύει πια.	is not valid. [Oasta]
• O/H/To (AKE)	 The (masc/fem/neut)
υπερασπίζεται τους αγρότες.	defends the farmers. [ake]
• Ο/Η/Το (ΛΕΧΘΟΣ) πέταξε	 The (masc/fem/neut)
μακριά.	flew away. [lex0os]
• Ο/Η/Το (ΟΑΣΠ) οργανώνει	 The (masc/fem/neut)
σεμινάρια τον άλλο μήνα.	organizes seminars next
	month. [oasp]
• Ο/Η/Το (ΠΟΣΚΙ) δεν είναι	 The (masc/fem/neut)
έτοιμο.	is not ready. [poski]
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- U stress is the preferred pattern by both groups

OVERALL STRESS RESULTS IN C- & V-FINAL ACRONYMS (%)

- Higher percentage of PU stress by the Russian speakers

STRESS RESULTS IN V-FINAL 20 ACRONYMS (%)



It is not clear whether the preference for PU stress is due to an LI effect because experimental studies in LI Russian yielded conflicting results (see L&K 2011a,b vs. Fainleib 2008)

The Russian L2ers had no difficulty to produce the same stress patterns as the Greek speakers and, impressively, in comparative percentages

→ Hypothesis 2 is confirmed



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