Processing Grammatical Evidentiality by Bashkir-Russian Bilinguals

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Objective

to examine attrition of the evidentiality category in Bashkir-Russian bilinguals resulting from extensive exposure to Russian language (L2)

<u>Bashkir language</u>	Evidentiality category
Turkic language	· different markers for firsthand and nonfirsthand information in
More than 1 mln speakers (Lewis et al. 2015)	past verb tenses
Mostly spoken in Bashkortostan, Russia	· Grammatical evidentiality has been found to be vulnerable to
	attrition in bilinguals (Arslan et al., 2015a, 2015b) and functional conver-
	gence with categories of L2 (Sanchez, 2004)

Participants

- born in Russia
- consider Bashkir as a native language
- acquired Russian by the age of 6

Bashkir-dominant group

- 9 participants, 8 females, age 25-44, mean age-42
- recruited in a Bashkir-speaking village Rakhmetovo
- most of their daily communication was in Bashkir

Russian-dominant group

- . 18 participants, 7 females, age 18-36, mean age-25
- Live in big cities (Moscow, Chelyabinsk, Magnitogorsk)
- · reported using Russian for more than 70% of the time

Materials and Methods

Self-paced reading experiment (Linger & IbexFarm)

Experimental item—Context clause (firsthand or nonfirsthand information) + Target clause (verbs in past tenses grammatically marked for firsthand or nonfirsthand information)

Context			Target clause	
Situation type		Context clause		
Firsthand information (= seen)		It was hot, and I asked Samat to bring some water;	Samat poured some water into the glass and is looking for ice.	
Nonfirsthand information (=not-seen)	Sensory	I saw some light getting from under the door;	Father got up and is walking in the corridor.	
	Reportative	I was told about the school chess tournament;	Ruslan won, and now everybody respects him.	
	Inferential	In the morning I saw that no flowers are left;	The child has gathered all the flowers and wants to give them to me.	



Results

Crossed factors of context type and target type

Analysis on the log-transformed reaction times data using a generalized linear mixed-effects modelling in R (Bates et al., 2014)

Russian-dominant group Increase of reaction time in mismatch conditions No significant differences in reaction times between match and mismatch conditions ### Provided HTML Report of the Provided

Our finding suggests that extensive use of the Russian language results in attrition of grammatical evidentiality in Bashkir-Russian bilinguals, which supports the theory that language exposure is a critical factor in language attrition

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