

BUILDING AN AUTOMATIC PIPELINE FOR TYPOLOGICAL RESEARCH: A CASE-STUDY

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Overview

- The brain treats small quantities and large quantities differently
(Dehaene 1997; Carey 1998; Pica et al. 2004, 2006)
 - Object Tracking System (OTS): $< 3-4$
 - Approximate Number System (ANS): $> 3-4$
- Does the grammar of natural language reflect the ANS/OTS distinction?
- Do numeral constructions have different grammar depending on the numeric value of the numeral?

Overview

- The Typology of Number Systems database documents contrasts like this:

(1) Odna devojčka ušla (Russian)

1.CARD-FEM.SG.NOM girl-**SG.NOM** leave-PST.**SG.FEM**

‘One girl left’

(2) Šest’ devojček ušli

6.CARD girl-**PL.GEN** left-PST.**PL**

‘Six girls left’

- Methods: traditional + **pipeline**

Pipeline scheme

