

## Computing Quantifier Scope

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**Abstract:** Sentences containing two quantifier phrases can give rise to scope ambiguities. For example, the sentence “Every student read a book.” has two possible interpretations. It can receive a surface scope reading which means that for every student, there is a potentially different book that s/he read. It can be assigned an inverse scope reading in which there exists a single book read by the students. Although recent studies report surface scope of quantifiers to be preferred over inverse scope (Anderson, 2004; Radó and Bott, 2018), the preference for the interpretation is known to interact with a number of different factors such as linear order, distributivity of quantifiers, discourse anaphoricity and context (Brasoveanu and Dotlačil, 2015; Kurtzman and MacDonald, 1993; Syrett and Brasoveanu, 2019; Szabolcsi, 1997, among others).

In this presentation, I will review the factors that are reported to affect scope and interpretation and address the possible processing mechanisms underlying these interpretations. Then, I will sketch out an experimental design that aims to test the factors at play in computing scope in Turkish, a vastly understudied language in psycholinguistics literature. I will conclude by discussing the potential future directions investigating scope taking within and from more complex structures.

## References

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