
A magnitude-based mental scale for vague quantifiers

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Abstract

In the present study, we investigate whether vague quantifiers are mentally ordered on the basis of the magnitude they express. Across four experiments, with both behavioral and computational measures, we show that even though vague quantifiers express indefinite information about the set size they denote, they are represented on a magnitude-based line analogously to numbers and numerical quantifiers. However, the way they are arranged on the line can be subjected to slight variability.

Keywords: Spatial representation, Vague quantifiers, Mental Scales

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