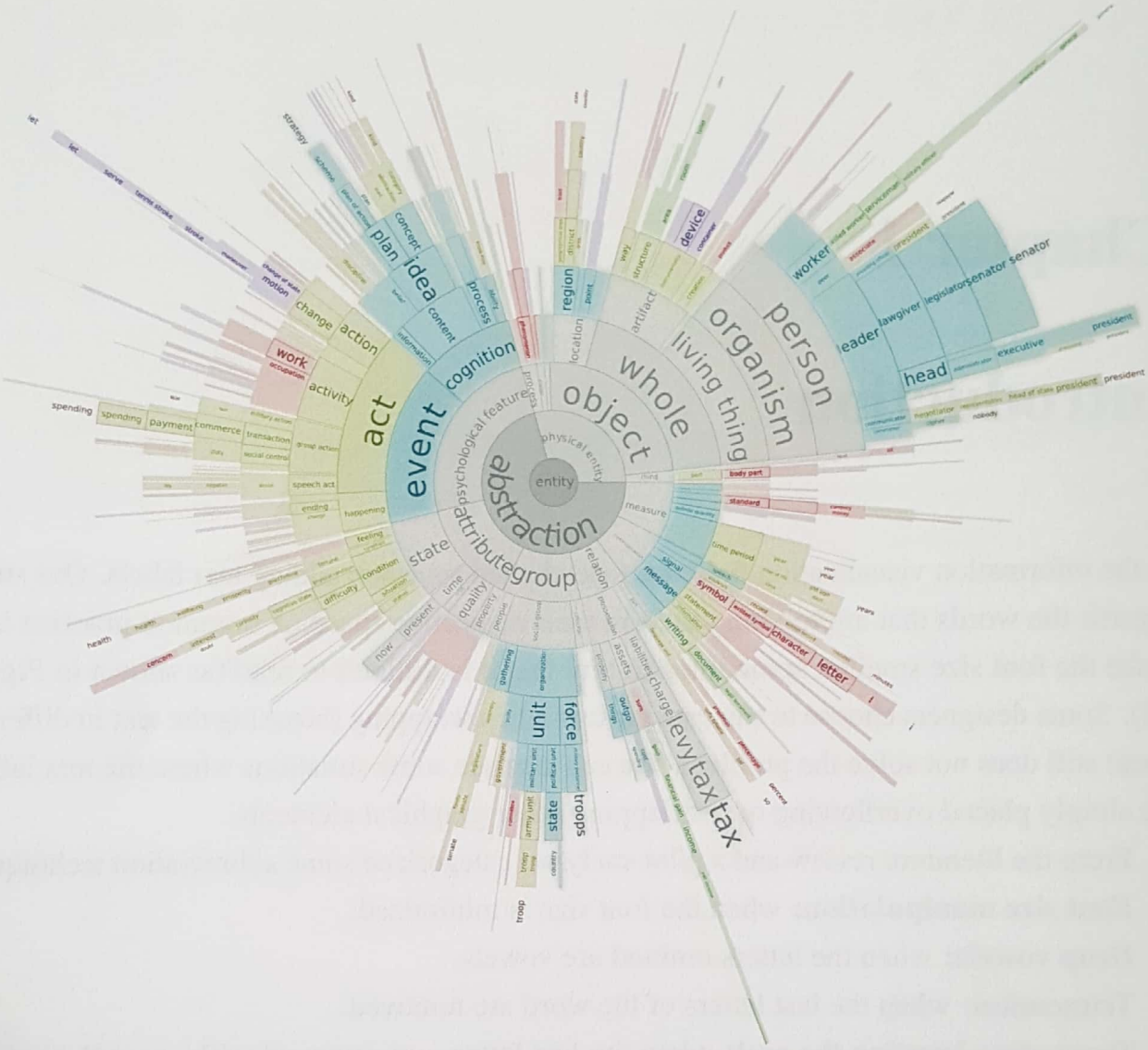

Fig. 1.1 Prioritizing nodes in hierarchical visualizations with the Tree Cut Model [47].

from a group of words that are semantically related to each other. We find this context dependency question relevant because data visualizations are usually contextual, where the data refer to a well-defined topic. Our hypothesis is that having an abbreviation presented within a context would be easier to interpret.

To address this problem we designed an adaptive crowdsourcing experiment. Crowdsourcing is defined as a phenomenon where web workers complete a set of small tasks, for micro-payments on the order of $0.01 to $0.10 per task. Micro-task markets lower the cost of recruiting participants, offering researchers almost immediate access to hundreds of diversified users [16]. By adaptive, we mean taking advantage of the easy and dynamic recruitment that a crowdsourcing platform gives us, and trying to evaluate in close to real time the word abbreviations created by the participants in our decoding task. In order to

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