

Supplement for Improving Comprehension of Measurements Using Concrete Re-expression Strategies


DATABASE CONSTRUCTION PIPELINE

Additional CrowdSourced Task Interfaces

Our pipeline relies on crowdsourced tasks to 1) identify which WordNet synsets from the *artifact* tree are rigid, countable, and likely to be purchaseable on Amazon; 2) to verify that instances of objects (synsets) that we obtained by querying the synset names on Amazon, DBPedia, and Freebase are in fact examples of the intended synset; and 3) to gather more fine-grained familiarity scores. We present the interface for (3) in the paper. Interfaces for (1) and (2) are depicted below.

Is this Object Countable and Rigid?

Synset: "mountain bike; all-terrain bike"



Is the object pictured above countable? (Is the quantity clear?)

☐ Yes ☐ No

Is the object pictured above rigid? (Does it resist folding and bending?)

☐ Yes ☐ No

Is the object above available for purchase on Amazon.com?

☐ Yes ☐ No

Figure 1: Interface for our concrete, rigid, purchaseable HIT.

Is this Product An Example of This Object?

Synset: "mountain bike; all-terrain bike"

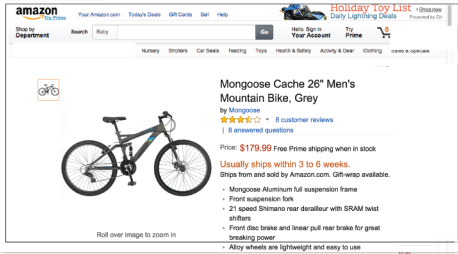



Figure 2: Interface for our HIT asking crowdworkers to verify if instances (from Amazon, DBPedia, and Freebase) are in fact examples of the intended object (synset).