English prepositions are extremely frequent and extraordinarily polysemous. To facilitate automatic disambiguation, we propose a general-purpose, broad-coverage taxonomy of preposition functions that we call *supersenses*. We document and illustrate supersense–preposition mappings in a new lexical resource.

Prepositional polysemy is rampant.

1. be *in* Paris at a shop *on* a street *by* the Seine
2. at 10 *of* four *in* the afternoon *on* Saturday
3. They ran *to* the roof *for* a quick escape.
4. They made *for* the roof *to* escape the cops.
5. spray paint *on* the wall / spray the wall *with* paint
6. A lot *of* rabbits manage *to* escape being eaten *by* wolves.

Linguists group together related functions with terms like "locative". We formalize a hierarchy of 73 *supersenses* to make these categories precise enough for annotation.

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**Preposition supersenses hierarchy.**

Preposition supersenses will be annotated in corpora already analyzed for comprehensive multword expressions (Schneider et al. 2014) and *noun and verb supersenses* (Schneider & Smith 2015). *Multword prepositions* (out of, in order to, according to, ...) will receive a preposition supersense holistically, as will *idiomatic PPs* (e.g., out of line ‘inappropriate’). Idiomatic *verb-particle constructions* (e.g., blow the package *up*) will only receive a verb supersense. Other constructions (e.g., *as...as comparatives*) are marked specially.

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**PrepWiki**

In PrepWiki, example sentences are grouped by TPP sense but mapped individually to supersenses.

PrepWiki is a comprehensive resource for prepositional polysemy and it is freely accessible online. It includes a comprehensive hierarchy of preposition supersenses and extensive example sentences. PrepWiki is a collaborative effort involving researchers from the University of Edinburgh, University of Utah, and University of Colorado at Boulder.

**PrepWiki**

http://tiny.cc/prepwiki

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English preposition resource @ http://tiny.cc/prepwiki