

How to Help Users Interpret a Topic Model? [Mei et al. 07b]

- Use top words
 - automatic, but hard to make sense

Term, relevance,
weight, feedback

- Human generated labels
 - Make sense, but cannot scale up

Retrieval Models

term	0.16	
relevance	0.08	
weight	0.07	
feedback	0.04	
independence	0.03	
model	0.03	?
frequent	0.02	
probabilistic	0.02	■
document	0.02	
...		

insulin
foraging
foragers
collected
grains
loads
collection
nectar
...

Question: Can we automatically generate understandable labels for topics?