Aspect-aware Unsupervised Extractive Opinion Summarization

Motivation



- Methodology **User Reviews** (a_1) • Front desk staff is very friendly Room is cozy but it is quite small (a_2) • The hotel is big in Rome (a_3, a_4) • The swimming pool is very small (a_3, a_4) Clustering Aspect Aspect Clusters (A_{ρ}) assignment staff big hotel room friendly small pool cozy
- Clustering based on aspects improves aspect coverage
- Clustering sentences based on nouns and adjectives
 - Iteratively extracting sentences to cover more aspects

Experiment

- Clustering based on nouns and adjectives outperforms clustering based on whole sentences
- Clustering improves aspect coverage