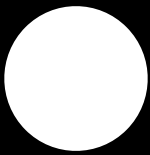


improvement_extractor.py
(topic_modelling directory)
Extracts market improvement areas
• *Uses results from attribute_negative_counts.csv*

After getting improvement
areas, uses topic modelling
to search for relevant
customer reviews

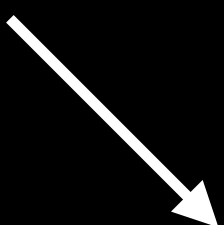
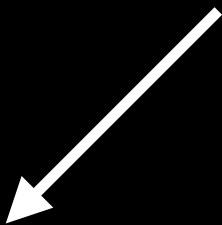


topic_modelling_searching_
bertopic.py

topic_modelling_searching_
top2vec.py

topic_modelling_searching_ensemble.py
Merging search results from both models

mindmap_generator.py
(mindmap_generator directory)
Generates image of mindmap
• *Segments products into Good/Bad/Neutral
based on sentiment scores with respect to
individual product features*



feature_classifier.py
*Classifies product features into one of 4
archetypes: Style, Experience, Quality, or
Price*

table_string_creator.py
*Takes mappings of products as being either
Good, Bad, or Neutral, and generates a string
which, when printed, lays out the products in a
tabular format*