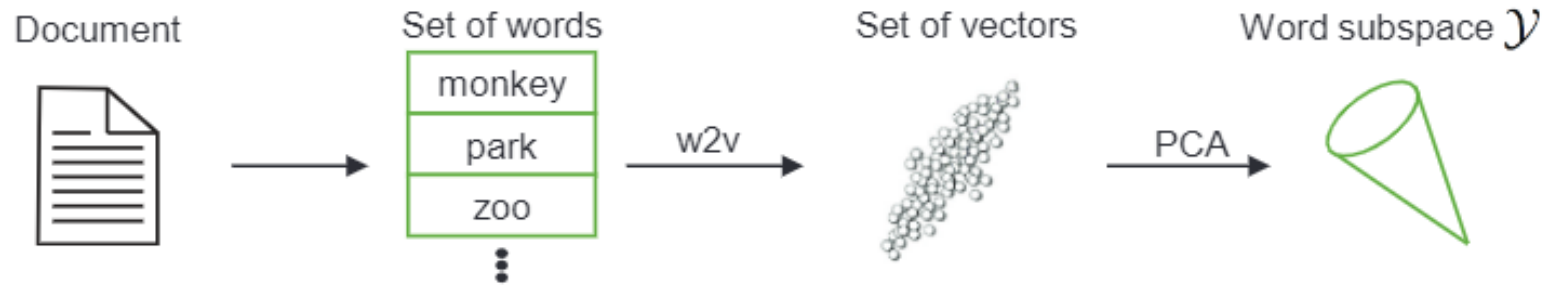


Text classification based on the word subspace representation

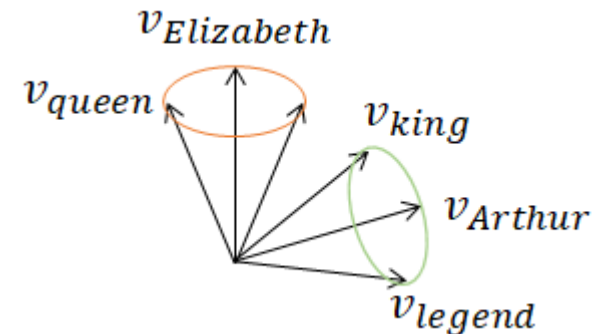
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+ University of Grenoble Alpes, France



- Word Subspace: Compact, scalable and meaningful representation of the context of a set of words.
 - ▣ Low computational cost;
 - ▣ No limitation of number of words;
 - ▣ Interpretable: Basis vectors can be regarded as the main hidden topics of a text.
- Comparison between texts -> Subspace similarity.



Text classification based on the word subspace representation

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- Geometrical interpretation of the word vectors -> Propose the best subspace-based method to solve each task.
- Topic Classification: MSM.
- Sentiment Analysis: GOSM.

