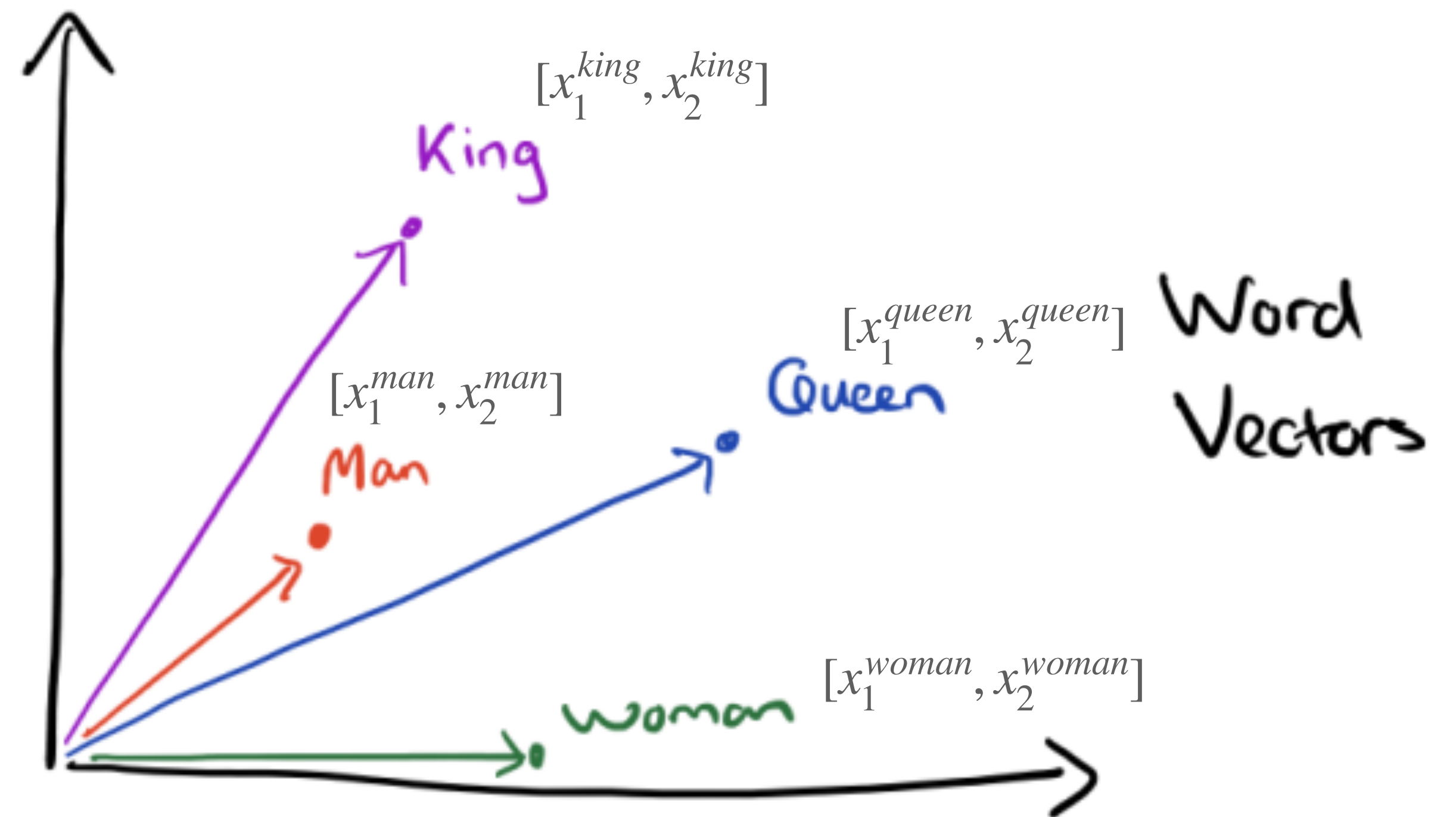


Language data

Representing words

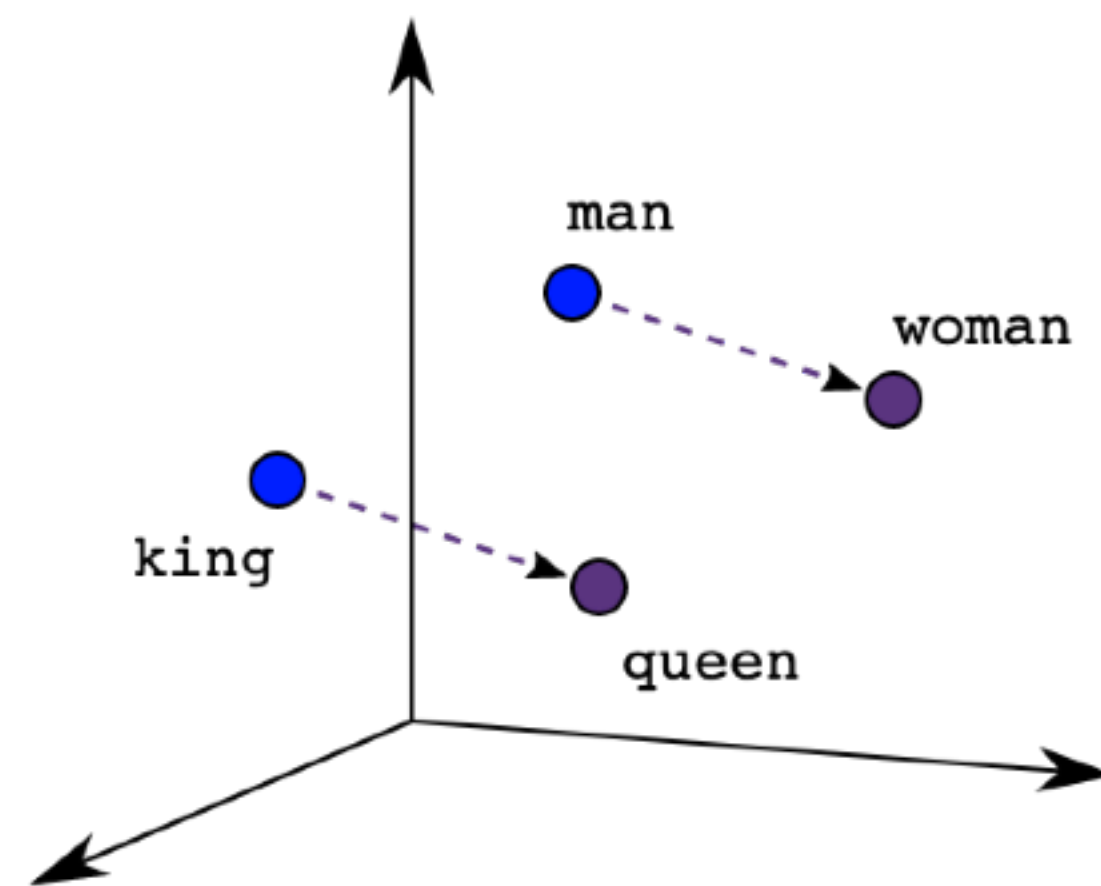
- Words can be represented as n -dimensional vectors (eg. 2-dimensional vector of $[x_1, x_2]$)
- Vectors preserve “word-to-word” relationships
- $v^{king} - v^{queen} \approx v^{man} - v^{woman}$



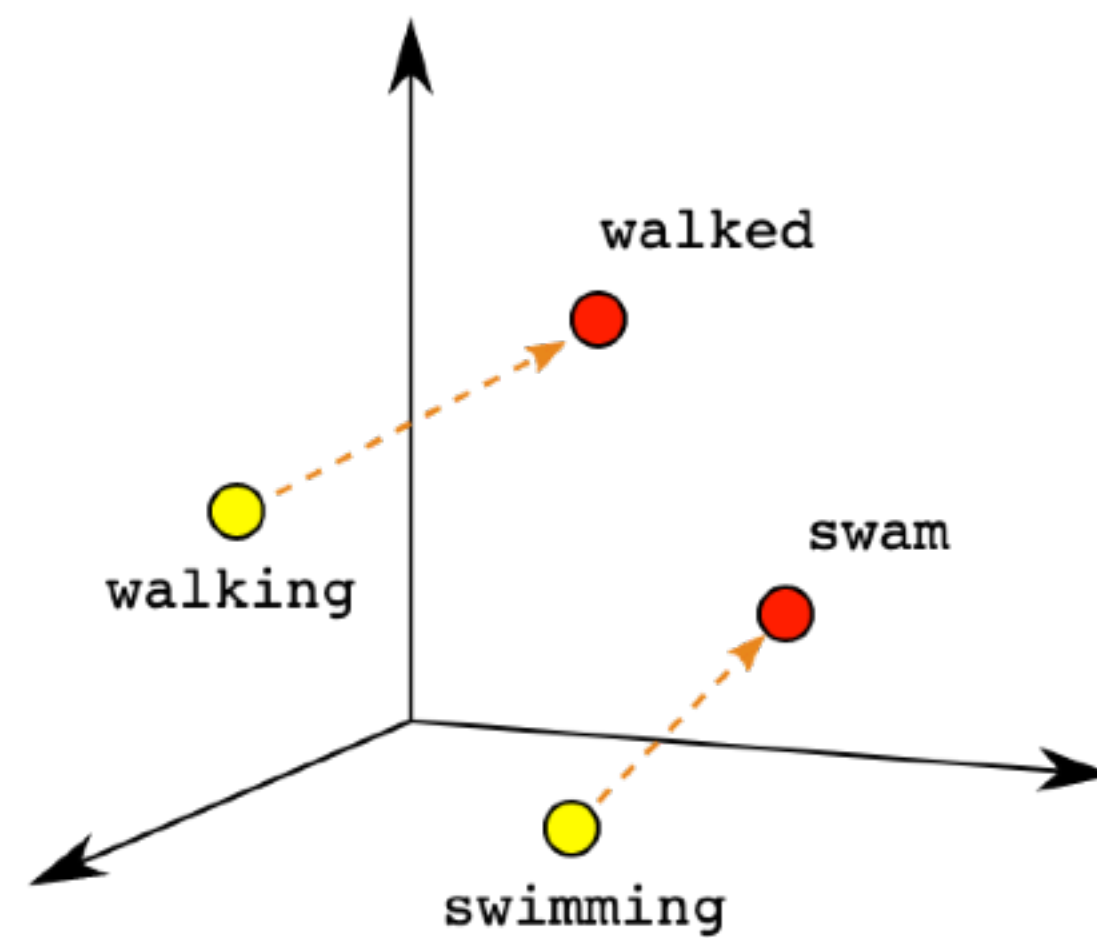
<https://www.depends-on-the-definition.com/guide-to-word-vectors-with-gensim-and-keras/>

Language data

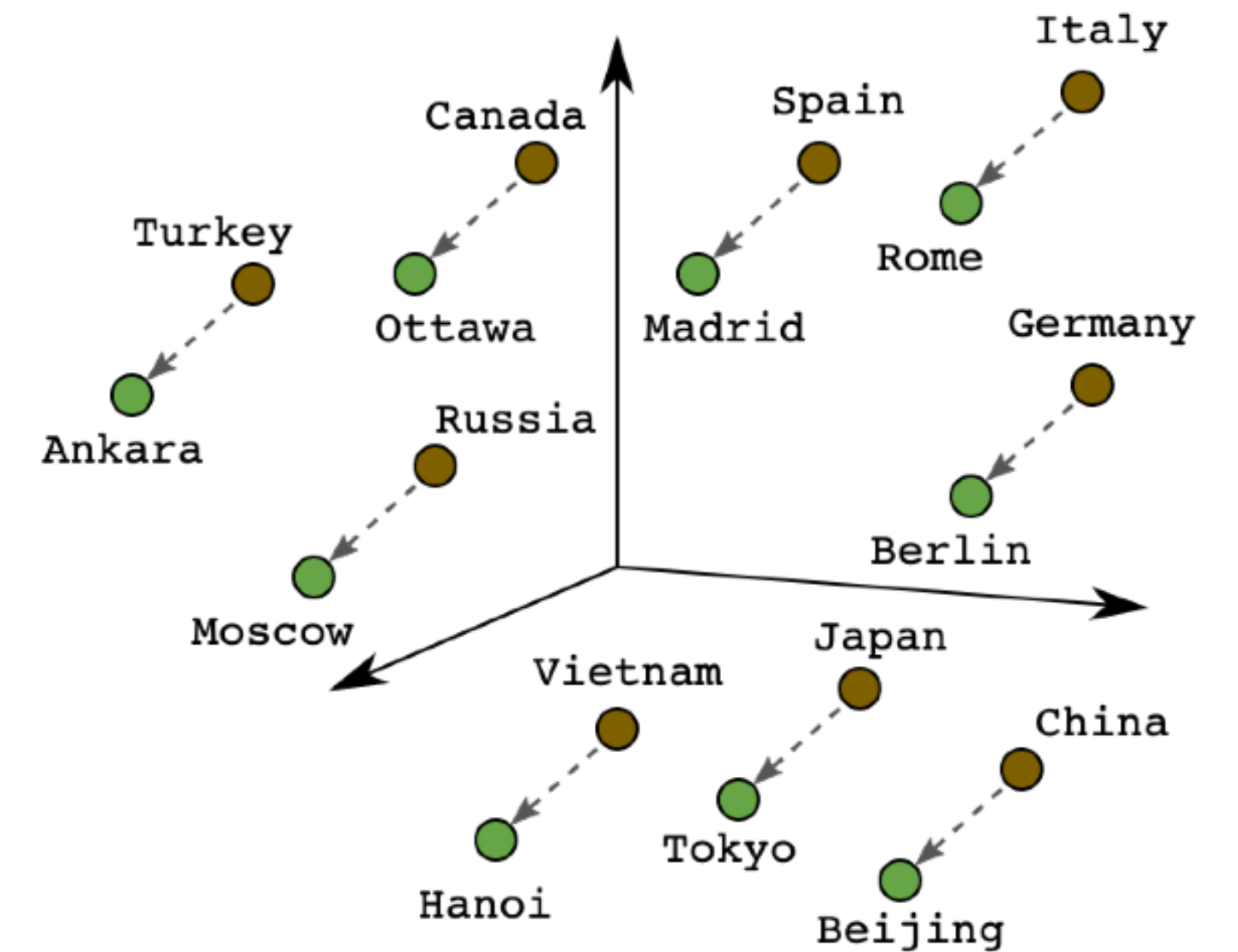
Inter-word relationships



Male-Female



Verb Tense



Country-Capital

https://medium.com/@h_bushroh/text-similarity-with-fasttext-word-embeddings-c765d97df682