K-nearest neighbors

After you have computed the output of XR you get a vector. You then need to find the most similar vectors to your output. Here is a visual example:

In the video, we mentioned if you were in San Francisco, and you had friends all over the world, you would want to find the nearest neighbors. To do that it might be expensive to go over all the countries one at a time. So we will introduce hashing to show you how you can do a look up much faster.

Mark as completed
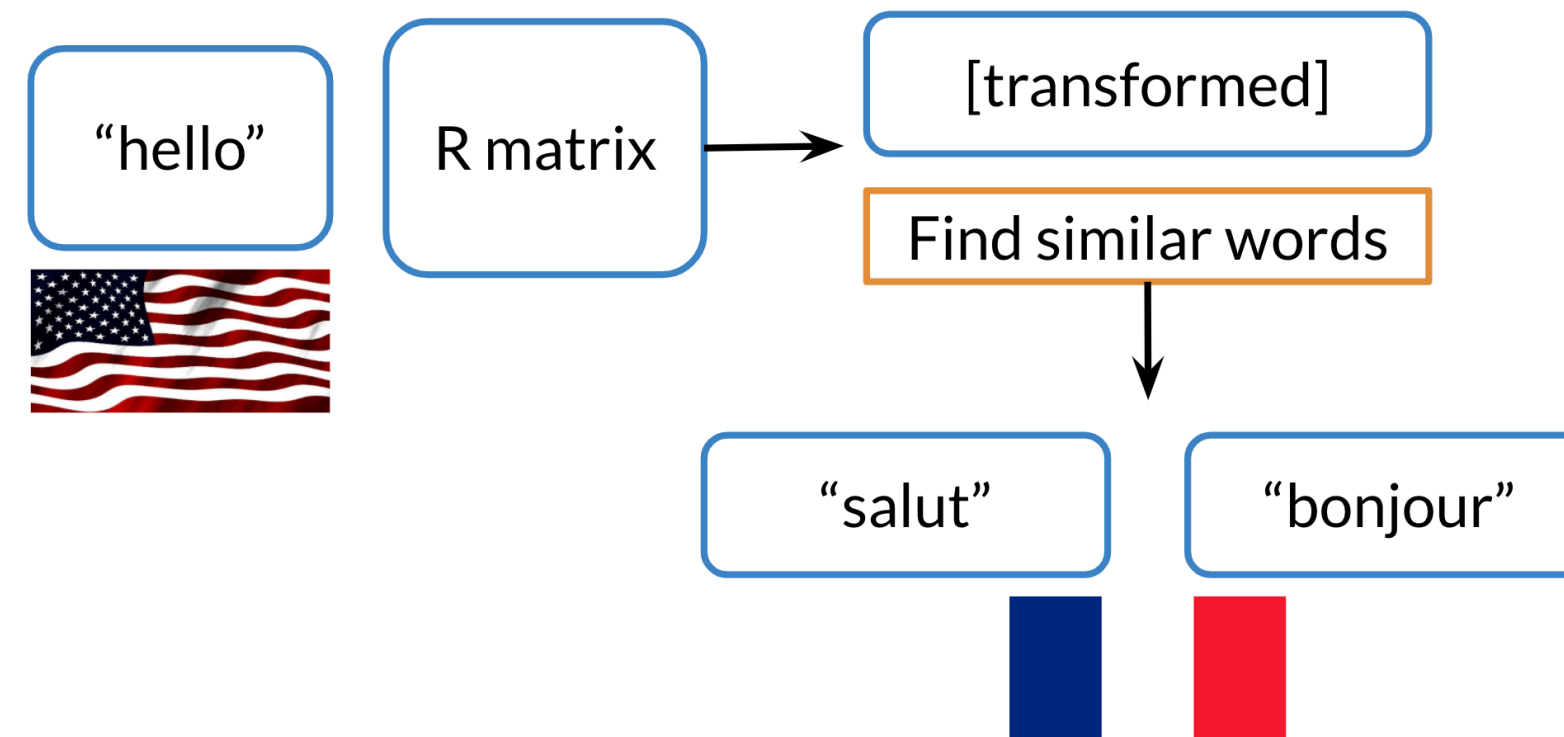
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Lecture: Machine Translation

✓ **Video:** Week Introduction
46 sec

✓ **Video:** Overview
1 min

✓ **Video:** Transforming word vectors
7 min

✓ **Reading:** Transforming word vectors
10 min

Lab: Rotation matrices in R2
1h

✓ **Video:** K-nearest neighbors
3 min

Reading: K-nearest neighbors
10 min

Video: Hash tables and hash functions
3 min

Reading: Hash tables and hash functions
10 min

Video: Locality sensitive hashing
5 min

Reading: Locality sensitive hashing
10 min

Video: Multiple Planes
3 min