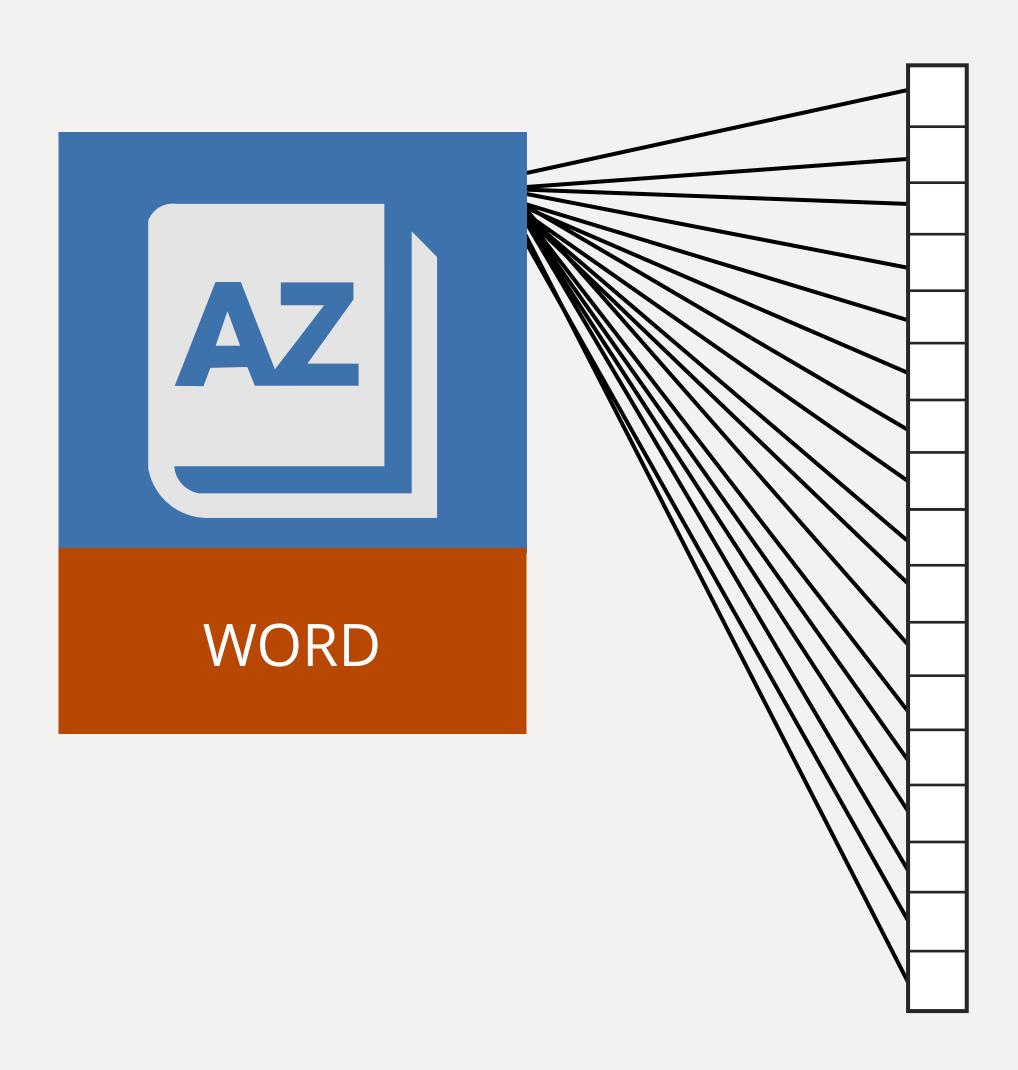
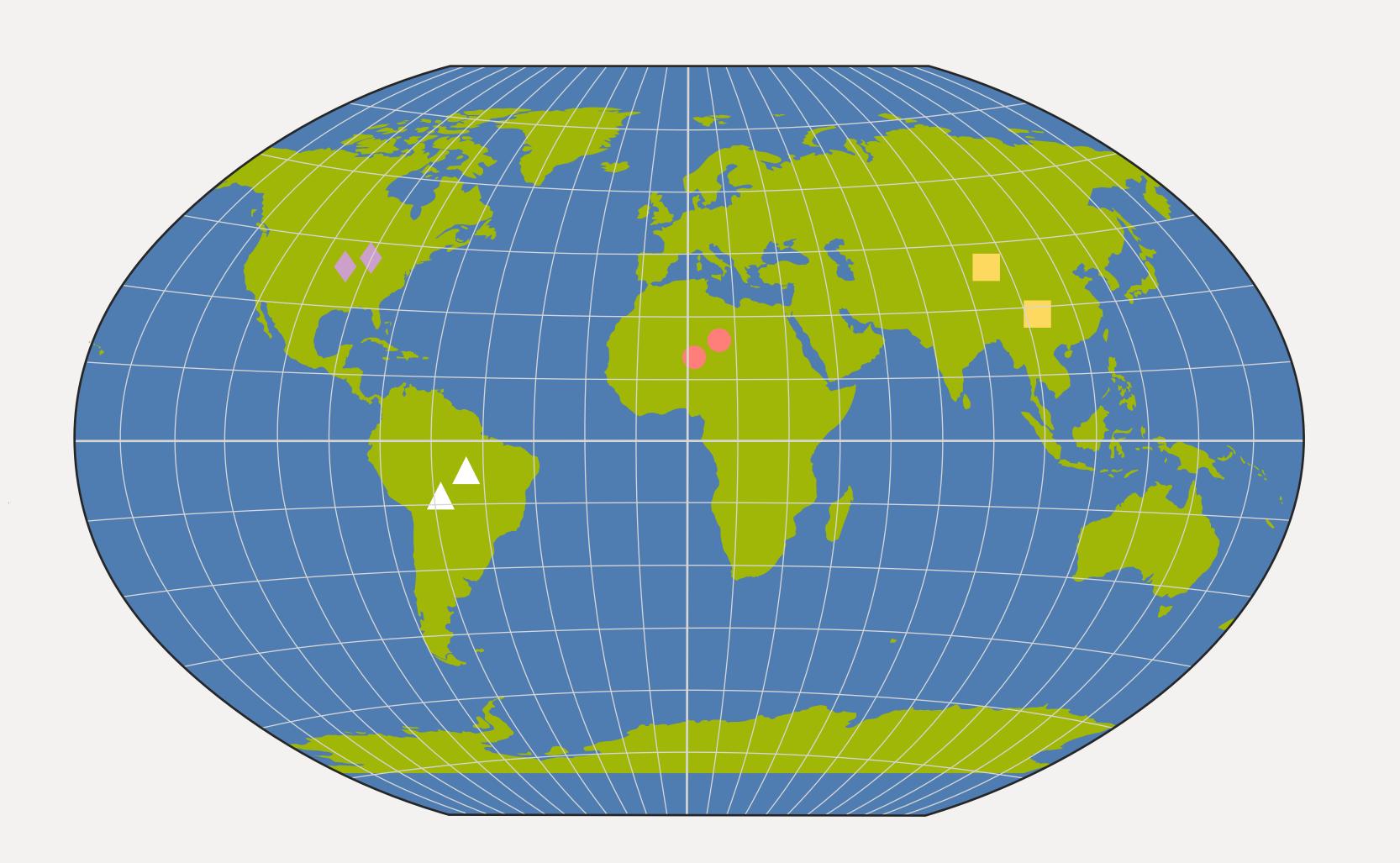


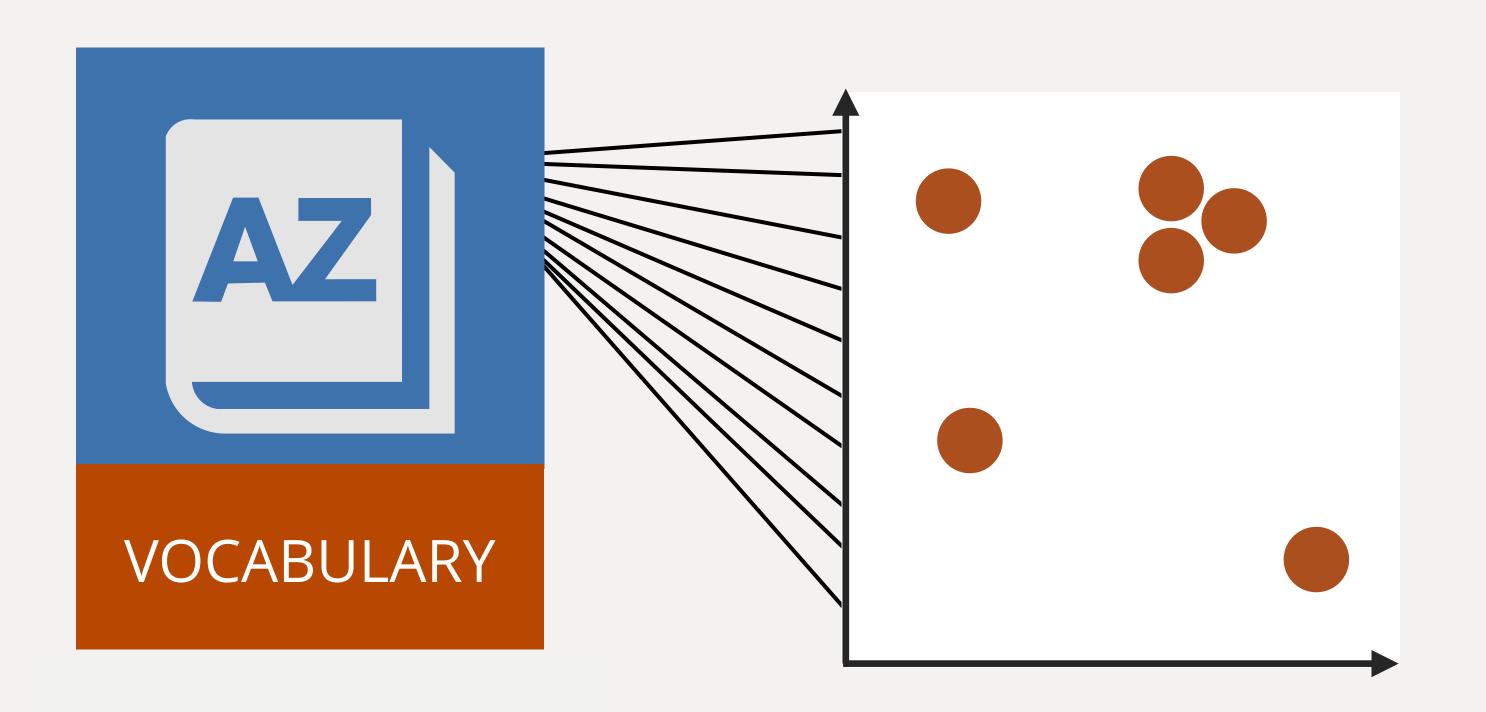
Word Vectors





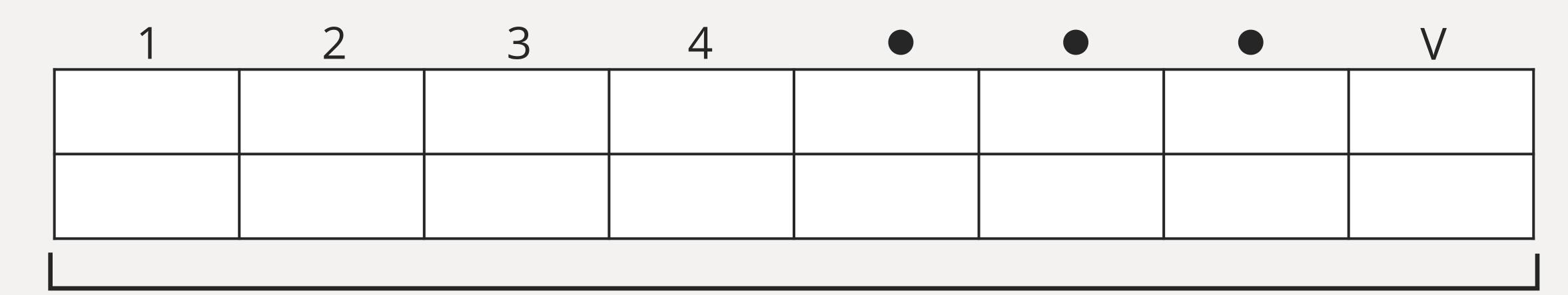
Similarities Based on Proximity

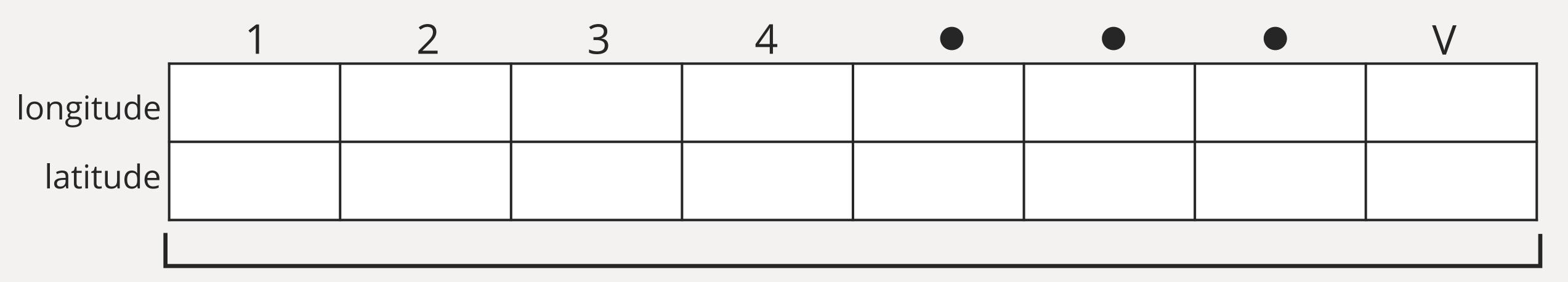
- Points nearby spatially are likely similar
- Points further away are likely different

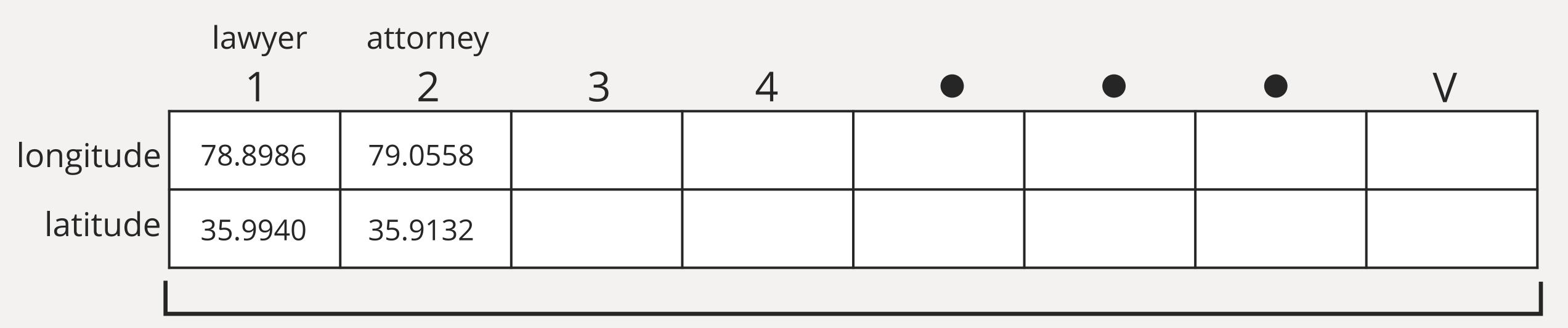


Mapping Vocabulary

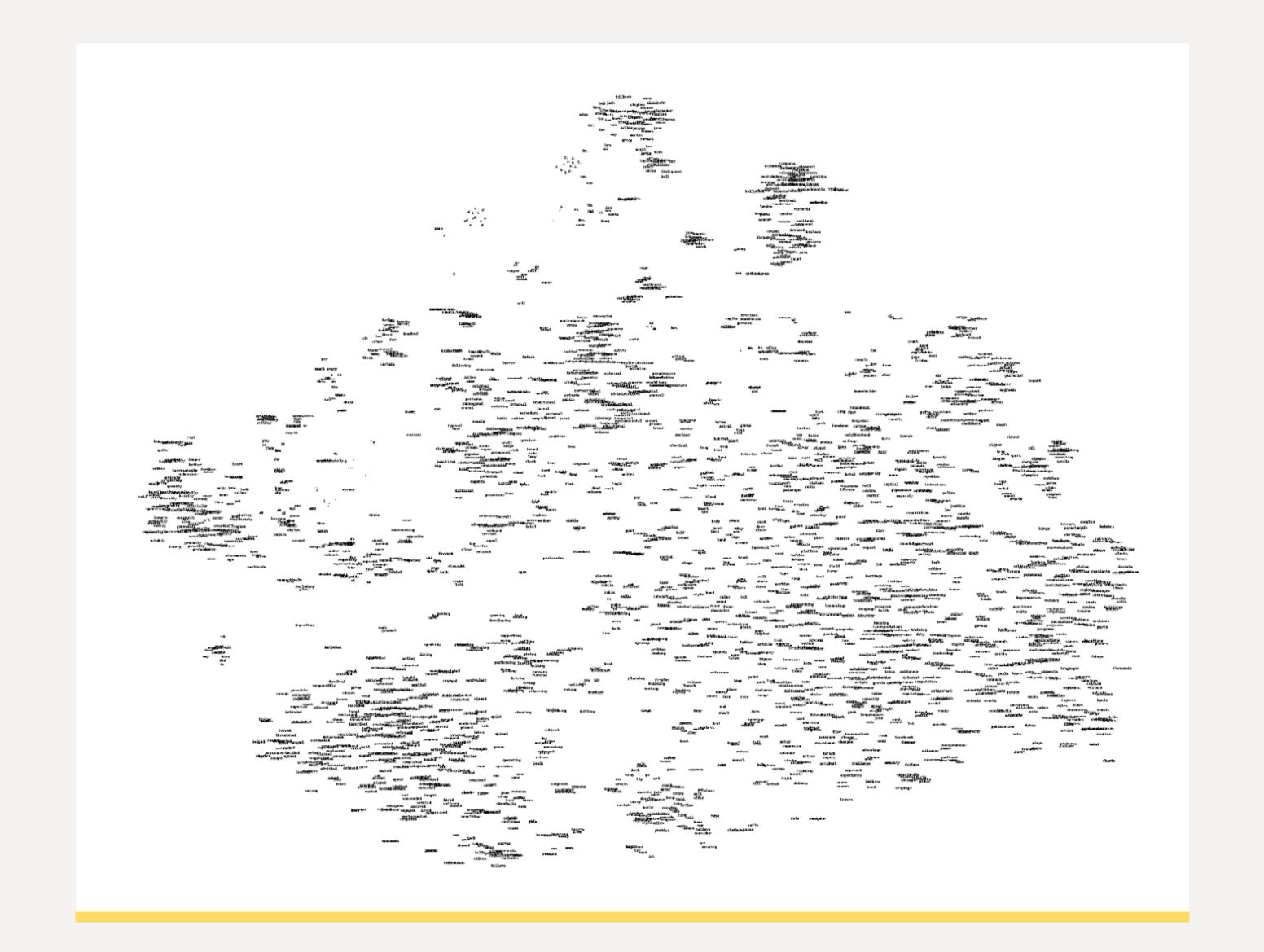
- Each word in vocabulary is mapped to a point in 2D space
- If two words are close they will be more related or synonymous
- If two words are further apart they will be more dissimilar

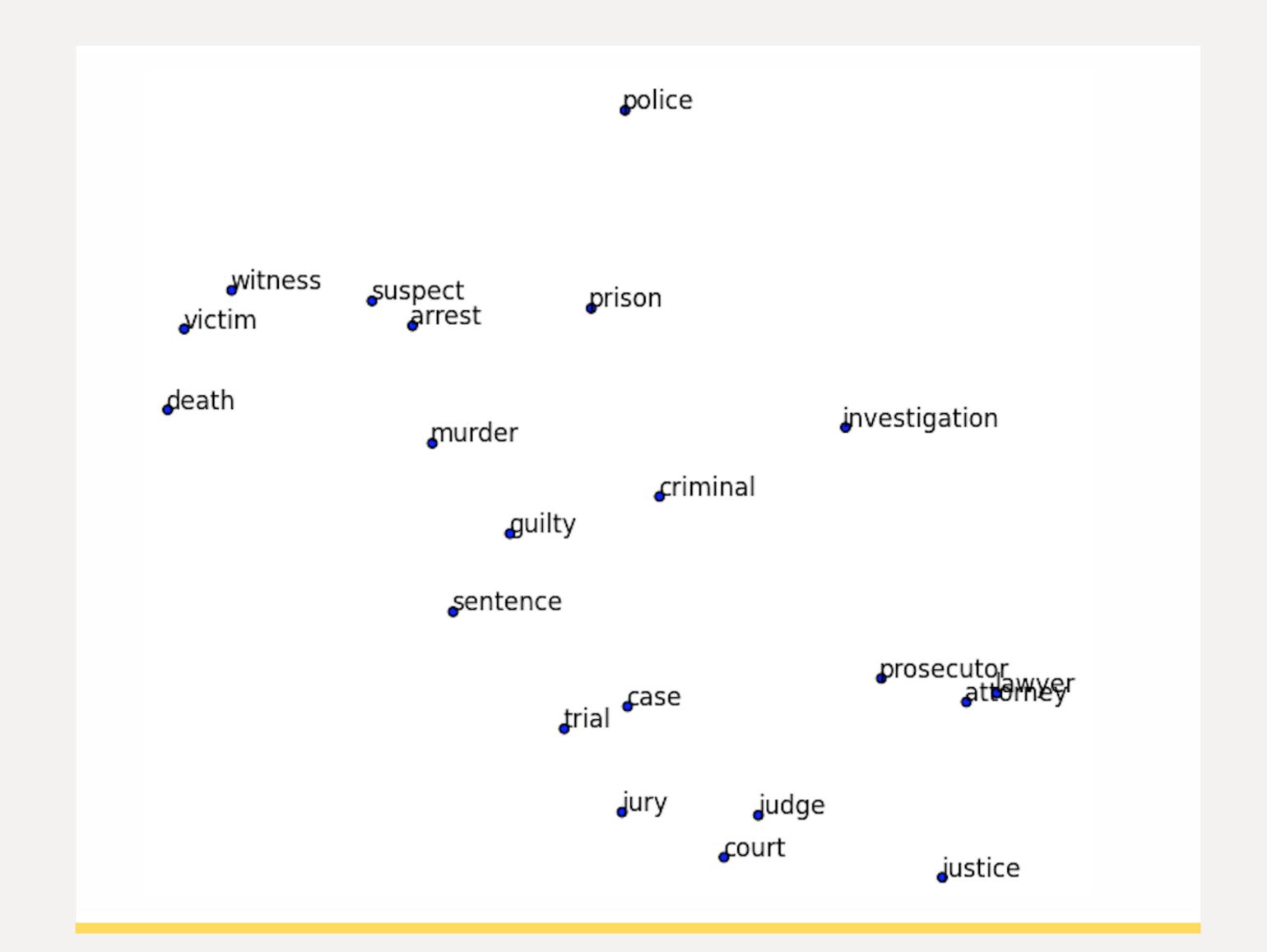


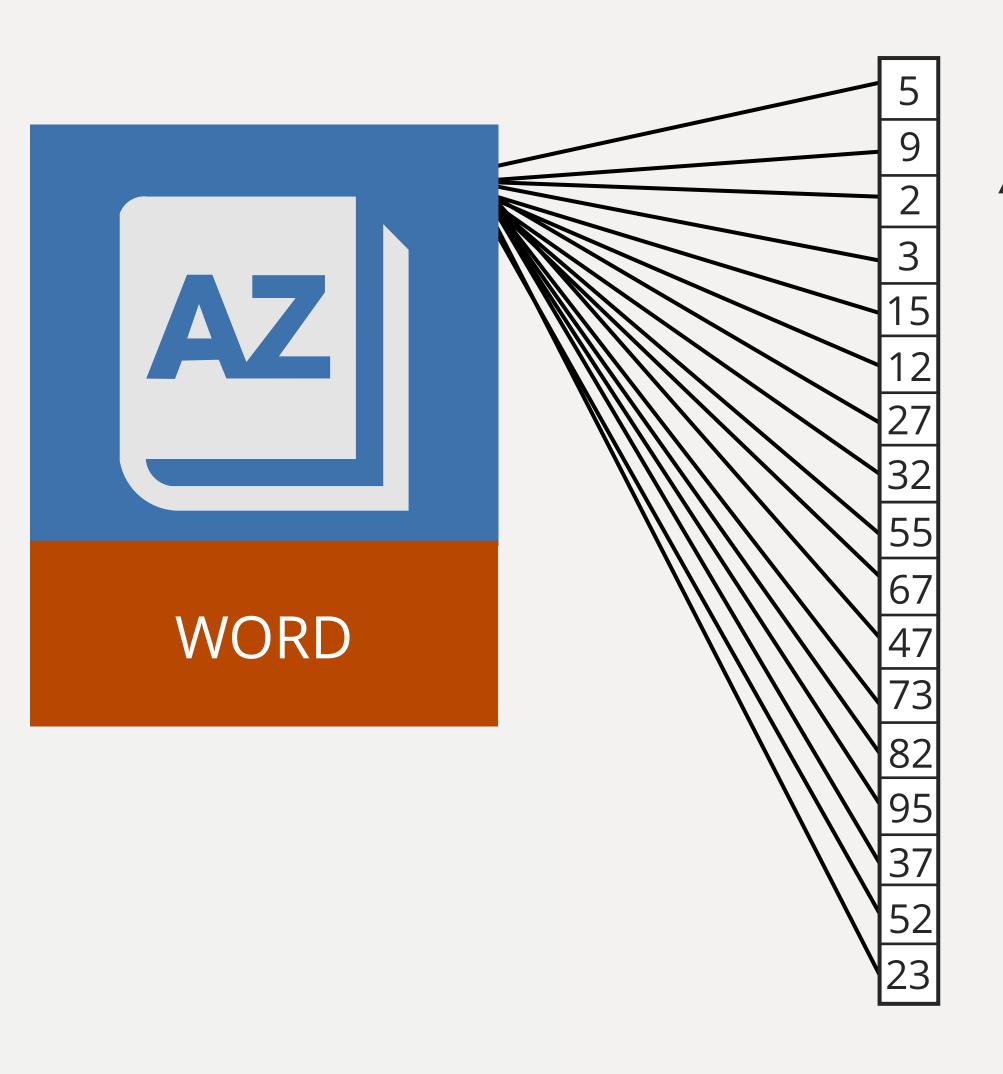


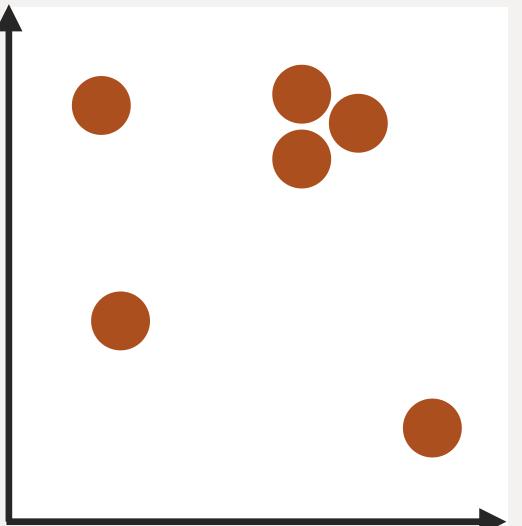


	lawyer 1	attorney 2	penguin 3	apple 4		V
longitude	78.8986	79.0558	135.0000	74.0060		
latitude	35.9940	35.9132	82.8628	40.7128		
ĺ						









Word Vectors for Neural Text Modeling

- Words are not numbers and not well suited for computation
- Map each word to vectors
- Vectors may be more than two dimensions

	lawyer 1	attorney 2	penguin 3	apple 4		V
longitude	78.8986	79.0558	135.0000	74.0060		
latitude	35.9940	35.9132	82.8628	40.7128		
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