

# FIND YOUR LIFE COACH ... ... AND CLASSIFY DIGITS



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Python Saati #87

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Topics



Life Coach Application

# Life Coach Application

## Jaccard Similarity



**Paul Jaccard**  
Prof. of Botany and Plant Physiology  
1901 @ ETH Zurich

# Life Coach Application

## Jaccard Similarity



# Life Coach Application

$$\text{Union}(A,B) = \left\{ \begin{array}{c} \text{Po} \\ \text{Tiger} \\ \text{Monkey} \\ \text{Donkey} \\ \text{Rabbit} \\ \text{Goat} \\ \text{Elephant} \\ \text{Chicken} \end{array} \right\}$$

$$\text{Intersection}(A,B) = \left\{ \begin{array}{c} \text{Po} \\ \text{Monkey} \end{array} \right\}$$

$$|\text{Union}(A,B)| = 7$$

$$|\text{Intersection}(A,B)| = 2$$

$$\text{Jaccard Similarity } J(A,B) = |\text{Intersection}(A,B)| / |\text{Union}(A,B)|$$

$$= 2 / 7$$

$$= 0.286$$

# Life Coach Application

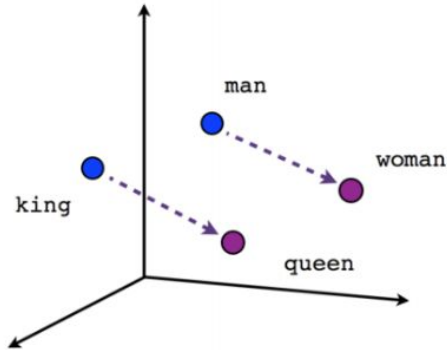
## Word2Vec



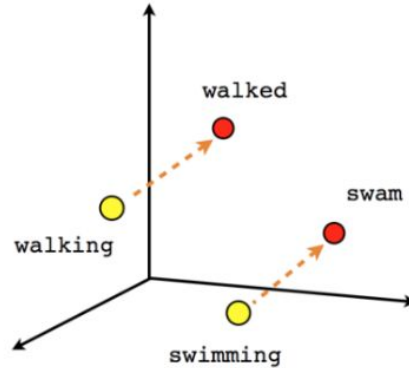
Tomas Mikolov  
Czech Computer Scientist  
2013 @ Google

# Life Coach Application

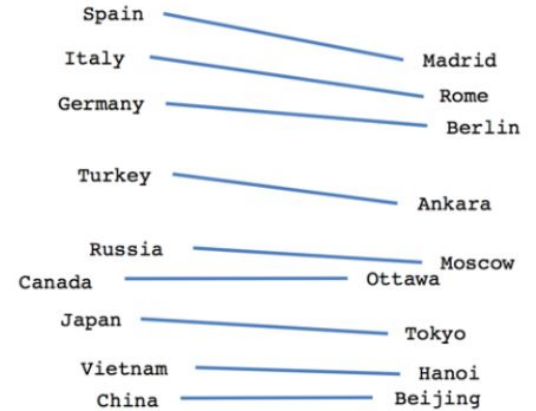
## Word2Vec



Male-Female



Verb tense

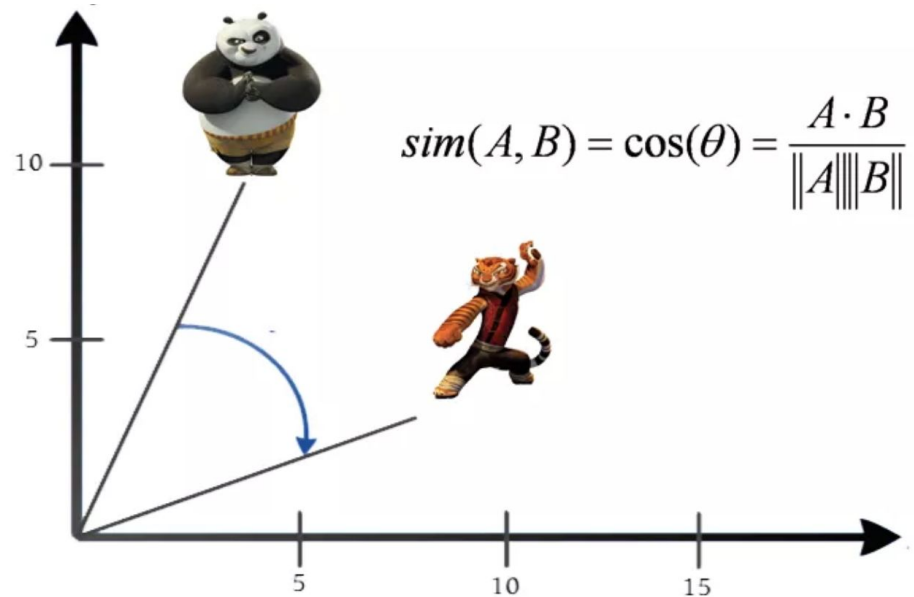


Country-Capital

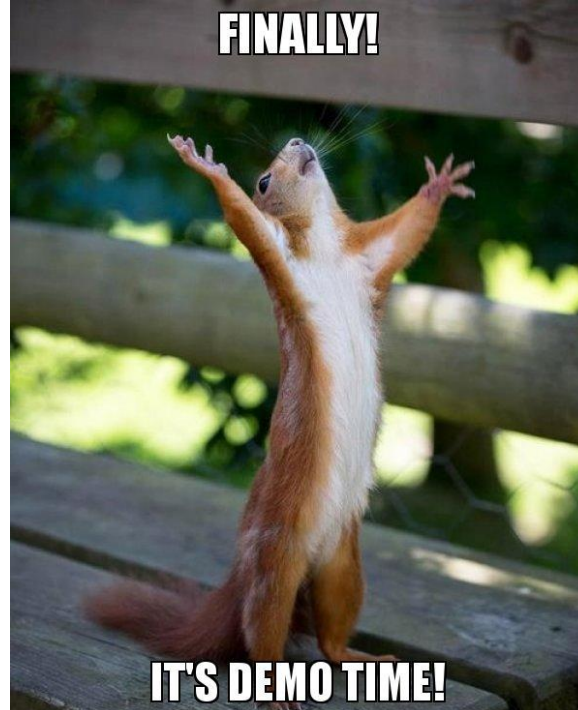


# Life Coach Application

## Cosine Similarity



# Life Coach Application

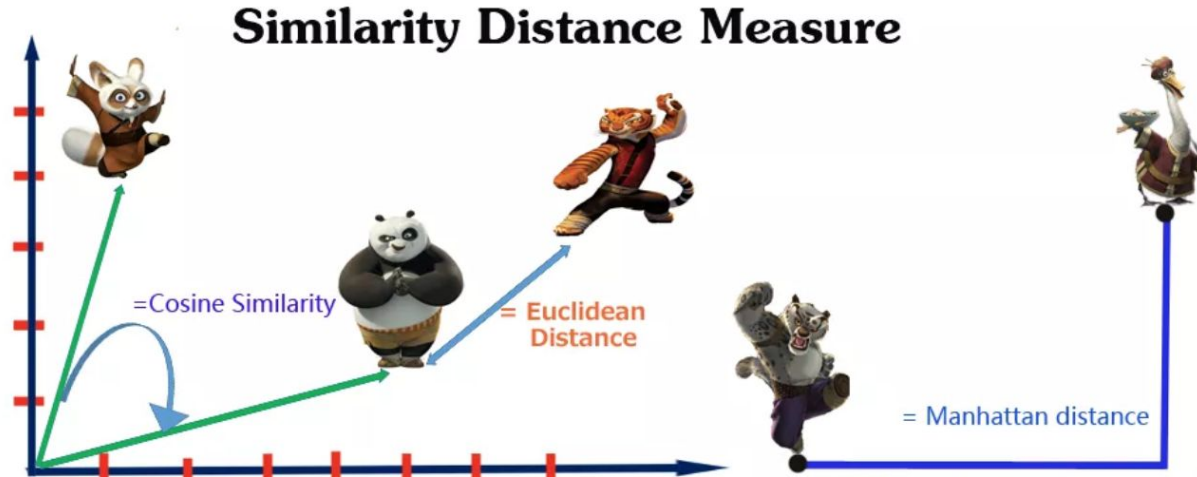


# References

- **Life Coach Application:** <https://uzay00.github.io/kahve/uzmanlik.html>
- **Life Coach Application:** <https://github.com/uzay00/KaVe-Egitim/tree/master/VeriBilimi>
- **Word2Vec Turkish:** <https://github.com/akoksal/Turkish-Word2Vec>
- **Word2Vec English:** <https://nlp.stanford.edu/projects/glove/>
- **Images:** <http://tiny.cc/tnep4y>
- **Images:** <http://tiny.cc/jpep4y>
- **Images:** <http://tiny.cc/tnep4y>
- **Images:** <http://tiny.cc/1pep4y>

# Thank You For Listening

## Any Questions?



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