

# Introduction to String Similarity

# What is String Similarity

- Measure of how similar strings are



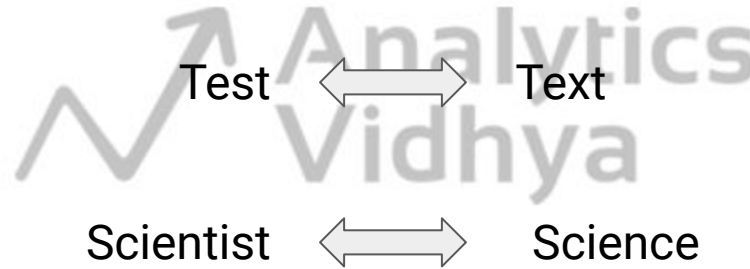
# What is String Similarity

- Measure of how similar strings are



# What is String Similarity

- Measure of how similar strings are



# Application of String Similarity



# Application of String Similarity

- Spelling Correction



# Application of String Similarity

- Spelling Correction



# Application of String Similarity

- Spelling Correction

ther → there

A large, light gray watermark of the Analytics Vidhya logo is centered in the background. It features a stylized line graph with an upward-pointing arrow and the text "Analytics Vidhya" in a sans-serif font.



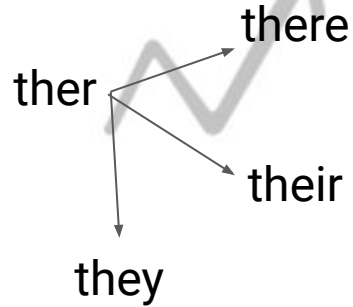
# Application of String Similarity

- Spelling Correction



# Application of String Similarity

- Spelling Correction



# Application of String Similarity

- Spelling Correction
- Speech Recognition



# Application of String Similarity

- Spelling Correction
- Speech Recognition



dake

# Application of String Similarity

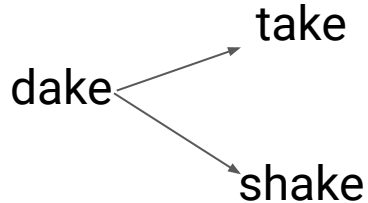
- Spelling Correction
- Speech Recognition



dake → take

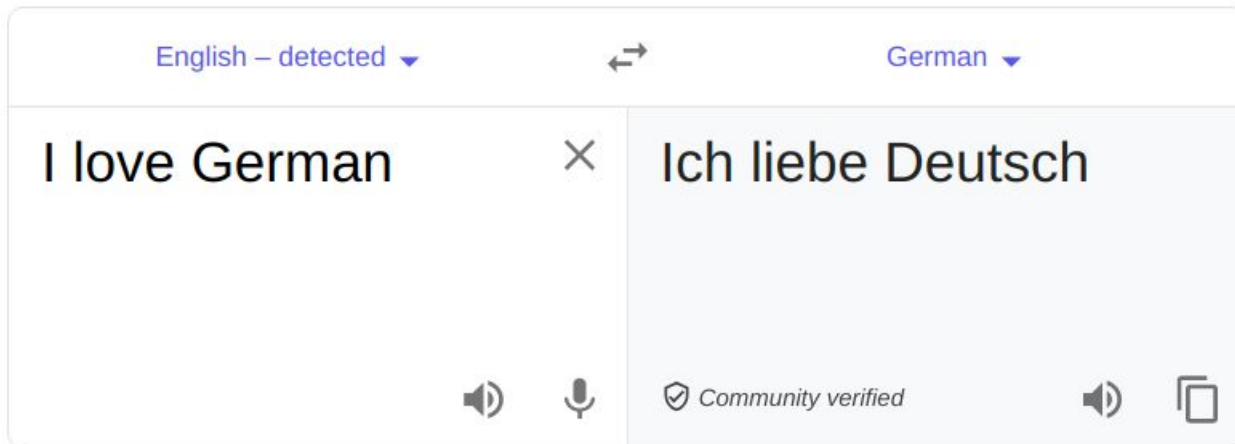
# Application of String Similarity

- Spelling Correction
- Speech Recognition



# Application of String Similarity

- Spelling Correction
- Speech Recognition
- Machine Translation



# How to measure String Similarity?





# How to measure String Similarity?

- Hamming Distance



# How to measure String Similarity?

- Hamming Distance
- Levenshtein Distance





Thank You