Lab 6

Facial Recognition

1. What is the distance to the closest face?
   1. 0.0
      1. Minimum Distance: 0.0
      2. Closest Face:
      3. fw 13
      4. fh 19
      5. en 16
      6. ec 13
      7. nw 12
      8. el 25
      9. nl 22
      10. ns 19
      11. lc 25
      12. Name: 585, dtype: int64

import pandas as pd

from sklearn.metrics.pairwise import euclidean\_distances

df = pd.read\_csv('face\_data.csv')

target\_face = [[13,19,16,13,12,25,22,19,25]]

distances = euclidean\_distances(target\_face, df).tolist()[0]

min\_dist = min(distances)

row = distances.index(min\_dist)

print("Minimum Distance: ", min\_dist)

print("Closest Face:")

print(df.loc[row])

# charrel5

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