

HDDA Tutorial: Distance

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Tutorial 3

Work in groups of two people:

1. Consider the *age* (in years) and *height* (in cm) of both you and the other person (you are allowed to lie about these). Compute the Euclidean distance between you and the other person for these two variables.
2. Repeat question 1 but use the Manhattan distance.
3. Repeat question 2 but measure height in metres.

Select from the following list the types of cuisines that you enjoy:

- Chinese food
 - Indian food
 - Italian food
 - Japanese food
 - Lebanese food
 - Mexican food
 - Thai food
 - British food
4. Compute a Jaccard similarity between you and the other person with regards to your taste in food.
 5. Compute a Jaccard distance between you and the other person with regards to your taste in food.
 6. How would you define a distance between you and the other person that takes into account height, age and food preference.