Chapter 2 Exercise 19

Exercise 19: For the following vectors, x and y, calculate the indicated similarity or distance measures.

(a) x = (1 ,1,1,1), y = (2 ,2,2,2) cosine, correlation, Euclidean

 (b) x = (0 ,1,0,1), y = (1 ,0,1,0) cosine, correlation, Euclidean, Jaccard

 (c) x = (0 ,−1,0,1), y = (1 ,0,−1,0) cosine, correlation, Euclidean

 (d) x = (1 ,1,0,1,0,1), y = (1 ,1,1,0,0,1) cosine, correlation, Jaccard

 (e) x = (2 ,−1,0,2,0,−3), y =(−1,1,−1,0,0,−1) cosine, correlation