COMP90049 Semester 2 2022

Assignment 1 Feedback feedback for Yunhui Rao (1316834)

Criterion	Available marks	Your mark
Question 1	·	•
Mark	0.5	0.5
Feedback		
Question 2		
Mark	1.5	1
Feedback		You have to make sure that the two passed arguments have the same length (Three distance function); Not handling of zero denominato r for cosine
Question 3		
Mark	2	2
Feedback		
Question 4		
Mark	1	1
Feedback		
Question 5		
Mark	0.5	0.5
Feedback		
Question 6.1		
Mark	0.75	0.75
Feedback		
Question 6.2.a		
Mark	1	1

Criterion	Available marks	Your mark
Feedback		
Question 6.2.b	•	•
Mark	0.5	0.5
Feedback		
Question 6.2.c	l .	I
Mark	0.25	0.25
Feedback		
Question 6.3	<u> </u>	
Mark	0.75	0.5
Feedback		Euclidean distance is the sum of squared differences, it means it is not normalized and will be dominated by large-magnitude features. That's why it is not a "appropriat e" method here; Chebyshev is the max value of differences meaning it is not normalized and only taking into account large-magnitude; Cosine distance is one minus the dot product of two

Criterion	Available marks	Your mark
		normalized vectors, hence not susceptible in differences in magnitude. Cosine distance is an appropriate method for this dataset. features and ignoring the rest. That's why it is not a "appropriate" method here;
Question 6.4		
Mark	0.75	0.5
Feedback		incomplete resoning. Weighted KNN performing better because in majority voting we resort to "closest neighbor" in case of ties
Question 6.5		
Mark	0.5	0
Feedback		The correct answer is "no" because of

Criterion	Available marks	Your mark
		the imbalanced data distribution it will be dominated by the performanc e of the majority class.
Penalties		
Late penalty (if applicable)		
Authorship Missing		
Overall mark for Assignment 1 Feedback	10	8.5