COMP90049 Semester 2 2022

Assignment 1 Feedback feedback for **Taylor Tang (1323782)**

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 denominator 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		Feature set (curb-weight,engine-size) is more predictive of the class labels as evidenced by the separation of the classes as opposed to the useless (compression-ratio, peak-rpm) feature set, which can't separate different classes.
Question 6.2.c		
Mark	0.25	0.25
Feedback		
Question 6.3		
Mark	0.75	0.25
Feedback		[-0.25] Euclidean distance is the sum of squared differences, it means it is not normalized and will be dominated by large-magnitude features.

Criterion	Available marks	Your mark
		That's why it is not a "appropriate" method here. [-0.25] Cosine distance is one minus the dot product of two normalized vectors, hence not susceptible in differences in magnitude. Cosine distance is an appropriate method for this dataset.
Question 6.4		
Mark	0.75	0.75
Feedback		
Question 6.5		
Mark	0.5	0.5
Feedback		
Penalties		
Late penalty (if applicable)		
Authorship Missing		
Overall mark for Assignment 1 Feedback	**10**	**9**