

HW

- Calculate MSE(Mean Square Error), MAE(Mean Absolute Error), cross-entropy for these two models:

Model 1		Probability			Answer		
Target		Dog	Cat	Other	Dog	Cat	Other
Data 1	Dog	0.4	0.3	0.3	1	0	0
Data 2	Cat	0.3	0.4	0.3	0	1	0
Data 3	Dog	0.5	0.2	0.3	1	0	0
Data 4	Other	0.6	0.2	0.2	0	0	1

Model 2		Probability			Answer		
Target		Dog	Cat	Other	Dog	Cat	Other
Data 1	Dog	0.8	0.1	0.1	1	0	0
Data 2	Cat	0.1	0.7	0.2	0	1	0
Data 3	Dog	0.7	0.1	0.2	1	0	0
Data 4	Other	0.4	0.3	0.3	0	0	1