

SVM Testing

Update:

- Trained mobnetv2 with a new dataset. Here are the results.

Trained Mobnet 2 Confusion Matrix Accuracy: 0.845					
True Class	anthro	bio	geo	other	
	39	6	5		78.0%
	1	43	2	4	86.0%
	1	3	45	1	90.0%
	1	3	4	42	84.0%
					92.9%
					7.1%
					78.2%
					21.8%
					80.4%
					19.6%
					89.4%
					10.6%
					anthro
					bio
					geo
					other
					Predicted Class

accuracy = 0.854

- SVM confusion matrices and f-scores using the same training and testing data as the above network
- Features extracted from layer 'block_11_add' of our trained mobnetv2

**TrainedMobnet Layer: block 11 add
Template: t1**

True Class	anthro	47	3			94.0%	6.0%
	bio		50			100.0%	
	geo	1	3	46		92.0%	8.0%
	other	2	16	1	31	62.0%	38.0%

94.0%	69.4%	97.9%	100.0%
6.0%	30.6%	2.1%	
anthro	bio	geo	other
Predicted Class			

accuracy = 0.8700

fScore = 1×4

0.9400 0.8197 0.9485 0.7654

avg_f_score = 0.8684

**TrainedMobnet Layer: block 11 add
Template: t2**

True Class	anthro	39	10	1		78.0%	22.0%
	bio	1	46	2	1	92.0%	8.0%
	geo	3	4	42	1	84.0%	16.0%
	other	1	4	9	36	72.0%	28.0%

88.6%	71.9%	77.8%	94.7%
11.4%	28.1%	22.2%	5.3%
anthro	bio	geo	other
Predicted Class			

accuracy = 0.8150

fScore = 1×4

0.8298 0.8070 0.8077 0.8182

avg_f_score = 0.8157

