



Politecnico di Torino

Fingerprint spoofing detection

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Classifier	pi = 0.5	pi = 0.1	pi = 0.9
RAW Features			
Gaussian	0.333	0.593	0.111
Naive Gaussian	0.47	0.815	0.146
Tied Gaussian	0.484	0.722	0.185
Naive Tied Gaussian	0.564	0.794	0.203

Classifiers	pi = 0.5	pi = 0.1	pi = 0.9	pi = 0.5	pi = 0.1	pi = 0.9
	PCA (m=5)			PCA + LDA (m=5)		
Gaussian	0.354	0.652	0.112	0.354	0.652	0.112
Naive Gaussian	0.446	0.912	0.122	0.402	0.732	0.13
Tied Gaussian	0.501	0.685	0.192	0.501	0.685	0.192
Naive Tied Gaussian	0.681	0.905	0.218	0.501	0.685	0.192

Classifiers	pi = 0.5	pi = 0.1	pi = 0.9	pi = 0.5	pi = 0.1	pi = 0.9
	PCA (m=8)			PCA + LDA (m=8)		
Gaussian	0.338	0.604	0.111	0.338	0.604	0.111
Naive Gaussian	0.43	0.869	0.118	0.405	0.669	0.145
Tied Gaussian	0.484	0.711	0.183	0.484	0.711	0.183
Naive Tied Gaussian	0.671	0.912	0.213	0.484	0.711	0.183