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Recognition Results, Projects

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Object Recognition Results

- Random patches per Image: 100
- Clusters: 100
- Training set: 25 positive images, 5 negative images per category
- Evaluation: All images classified

Object Recognition Results

	airplanes	car_side	elephant	Faces_easy	minaret	rhino
airplanes	81.50	0.00	8.38	7.75	0.00	2.38
car_side	0.00	100.00	0.00	0.00	0.00	0.00
elephant	34.38	3.13	20.31	26.56	4.69	10.94
Faces_easy	38.85	0.00	20.46	32.41	0.00	8.28
minaret	0.00	2.63	0.00	1.32	96.05	0.00
rhino	47.46	1.69	11.86	30.51	3.39	5.08

Object Recognition Results

Random patches per Image: 100

Clusters: 300

Training set: 10 positive images, 3 negative images per category

Evaluation: 30 random images classified

Object Recognition Results

	airplanes	car_side	elephant	Faces_easy	minaret	rhino
airplanes	0.00	0.00	64.00	26.00	0.00	10.00
car_side	100.00	0.00	0.00	0.00	0.00	0.00
elephant	20.00	0.00	24.00	24.00	2.00	30.00
Faces_easy	8.00	0.00	32.00	32.00	24.00	4.00
minaret	10.00	0.00	0.00	0.00	90.00	0.00
rhino	20.00	0.00	38.00	24.00	0.00	18.00

Interested Projects

Dr. Sukthankar's Work:

- Learning to classify with disjoint training and testing sets
- Visual bits

Marshall's Idea:

- Soft method of choosing positive learning examples