

**7-30-10**

One/Few Shot Recognition

-Antonio Rodriguez

- A week of comparison.

# 7-30-10

- Decided to attempt to recreate the results from Grauman & Darrell
- Learned how to implement SVM and tried running it on our various data-sets with different numbers of training examples.

# 7-30-10

- Caltech 101 Data Set

#training examples per class (all classes)	SVM – Hist Kernel	Grauman & Darrel	Microset method results.
1	21.6988%	17%	12.41% (2)
15	59.3186%	50%	(redoing)

# 7-30-10

- Animals w/ Attributes Data Set

#training examples per class (all classes)	SVM – Hist Kernel	SVM – Linear Kernel	Microset method results.
1	6.7412%	4.1077%	8.4%
15	21.4836%	16.0909%	(unavailable)

# 7-30-10

- Caltech256 (226) Data Set

#training examples per class (all classes)	SVM – Hist Kernel	SVM – Linear Kernel	Microset method results.
1	2.3531%	2.3173%	2.13% (2)
15	14.4348%	12.6168%	(currently running)

# 7-30-10

- Patrick has the results from comparing SVM and the microset method on the youtube data set.
- Working to fill in missing data and make direct comparisons.
- Trying a new formula for optimization for the microset method.
- Attempt to discover the cause of the fluctuations in SVM performance.