

```

objectsb1 = CS6640-objects(fname);
[r, c, dtb1] = CS6640-veh-trade(objectsb1);
xb1 = CS6640-features(objectsb1, dtb1);

```

Training Data		num-samples	
objectsb1, dtb1, xb1	138	}	353
objectsb2, dtb2, xb2	215		
Xc1	120	}	289
Xc2	169		
Xt1	142	}	308
Xt2	166		

Testing Data

objectsb3, dtb3, xb3	284
objectsc3, dtc3, xc3	86
objectst3, dtt3, xt3	149

```

net = feedforwardnet([10, 10]);
net.divideParam.valRatio = 0;
net.divideParam.testRatio = 0;
net.divideParam.trainRatio = 1;
net.trainParam.epochs = 10000;

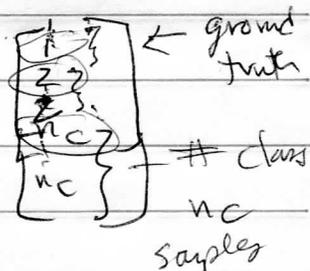
```

```

[net, tr, Y, E] = train(net, P, T);
class = round(net(X));

```

n samples
 x_1, x_2, \dots, x_n
 n -tuple features



NN's take features produced by user

CNN's take images directly + find features

