## Phys/Comp 546 Pattern Recognition HW 7B

1. How is it possible to get PPVs less than 50%? (Recall we had a PPV of 8% in the mammography example). Using dicriminant.xls, adjust the  $\mu$ 's and  $\sigma$ 's of the two classes to get a sensitivity close to 80% and a PPV close to 8%. Show screenshots of the values and tables, and of the resulting Gaussians (next tab of discriminant.xls).

ANS:

2. Explain the most convenient way for getting (some of) the iris data from the iris. jmp file into the Classification toolbox/MatLab.

## ANS:

```
variable=pattern
pattern=iris_dataset
clc;
close all;
imtool close all;
clear;
workspace;
x = randn (100,1);
d = 4;
n = 150;
```