COMP 9517 Lab3

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```
Accuracy: 0.927
Confusion matrix:
[[99 0 0 0 0 0 1 0 0 0]
[098 1 0 1 0 0 0 0 0]
[2 3 87 3 1 0 2 0 2 0]
[0 1 1 92 0 1 0 2 1 2]
[0 1 0 0 90 0 1 0 0 8]
[2 1 0 2 2 89 2 0 0 2]
[0\ 0\ 0\ 0\ 0\ 1\ 99\ 0\ 0\ 0]
[0 1 0 0 2 0 0 95 0 2]
[0 3 1 2 1 2 3 0 86 2]
[1 0 0 1 6 0 0 0 0 92]]
Precision: [0.95192308 0.90740741 0.96666667 0.92
```

0.87378641

0.95698925 0.91666667 0.97938144 0.96629213 0.85185185]

Recall: [0.99 0.98 0.87 0.92 0.9 0.89 0.99 0.95 0.86 0.92]

And the figure is as follow:

The results:

```
Accuracy: 0.927
Confusion matrix:
 [[99
      0
         0 0 0
                   0
                              0]
   0 98 1
           0 1
                 0
                    0
                        0
                              0]
          3
     3 87
              1
                  0
                              0]
        1 92 0
                1
                        2
                     0
                              2]
             90
                 0
                              8]
        0
          0
                     1
          2
              2 89
                    2
      1 0
                        0
                              2]
          0
     0 0
              0
                        0
                 1 99
                              0]
     1
                 0
        0
           0
              2
                    0 95
                          0
                              2]
     3
           2
                  2
        1
              1
                    3
                        0
                         86
               6
                 0
                       0
                         0 92]]
                   0
Precision: [0.95192308 0.90740741 0.96666667 0.92
                                                        0.87378641 0.95698925
 0.91666667 0.97938144 0.96629213 0.85185185]
Recall: [0.99 0.98 0.87 0.92 0.9
                                 0.89 0.99 0.95 0.86 0.92]
[Finished in 4.3s]
```