

# Basic Details About Wine Data

```
Terminal - matt@matt:/home/matt/Desktop/DataScience/Wino
File Edit View Terminal Tabs Help
[ 0.00535763 0.00479496 0.00505726 ..., 0.05625147 0.00707621
0.00675705]]
/usr/lib/python2.7/dist-packages/sklearn/metrics/metrics.py:1734: UserWarning:
The sum of true positives and false positives are equal to zero for some labels
. Precision is ill defined for those labels [0 1 2 3 4 7 8 9]. The sum of true
positives and false negatives are equal to zero for some labels. Recall is ill
defined for those labels [0 1 9]. The precision and recall are equal to zero fo
r some labels. fbeta_score is ill defined for those labels [0 1 2 3 4 6 7 8 9].

average=average)
0.20135808557
[[ 0 0 0 15 1 0 0]
[ 0 0 0 130 0 0 0]
[ 0 0 0 1165 0 0 0]
[ 0 0 0 1757 0 0 0]
[ 0 0 0 704 0 0 0]
[ 0 0 0 140 0 0 0]
[ 0 0 0 4 0 0 0]]
Out[3]:
(array([[ 0., 0., 0., ..., 0., 0., 0.],
[ 0., 0., 0., ..., 0., 0., 0.],
[ 0., 0., 0., ..., 0., 0., 0.],
...

matt@shalaowai: ~/Desktop/DataScience/Wino
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(3916, 11)
successfully loaded 3916 training examples...
0.597548518897
0.597548518897
[[ 0 0 8 8 0 0 0]
[ 0 14 78 38 0 0 0]
[ 0 6 806 345 8 0 0]
[ 0 0 338 1355 64 0 0]
[ 0 0 37 502 165 0 0]
[ 0 0 3 102 35 0 0]
[ 0 0 0 1 3 0 0]]
```

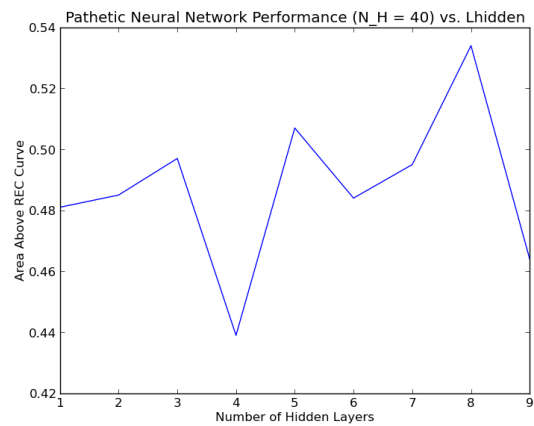
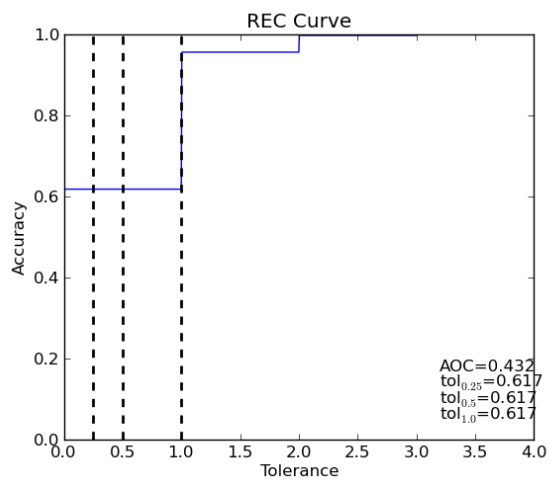


Figure 1: todo



```

matt@shalaowai: ~/Desktop/DataScience
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matt@shalaowai: ~/... x matt@shalaowai: ~/... x

Sizes of training and test data:
(3916, 11)
(981, 11)
successfully loaded 3916 training examples...
0.664198161389
0.579001019368
[[ 0  0  0  4  0  0  0]
 [ 0  0 19 13  1  0  0]
 [ 0  0 197 93  2  0  0]
 [ 0  0 100 316 24  0  0]
 [ 0  0  7 114 55  0  0]
 [ 0  0  1 25  9  0  0]
 [ 0  0  0  0  1  0  0]]

```

Figure 2: todo

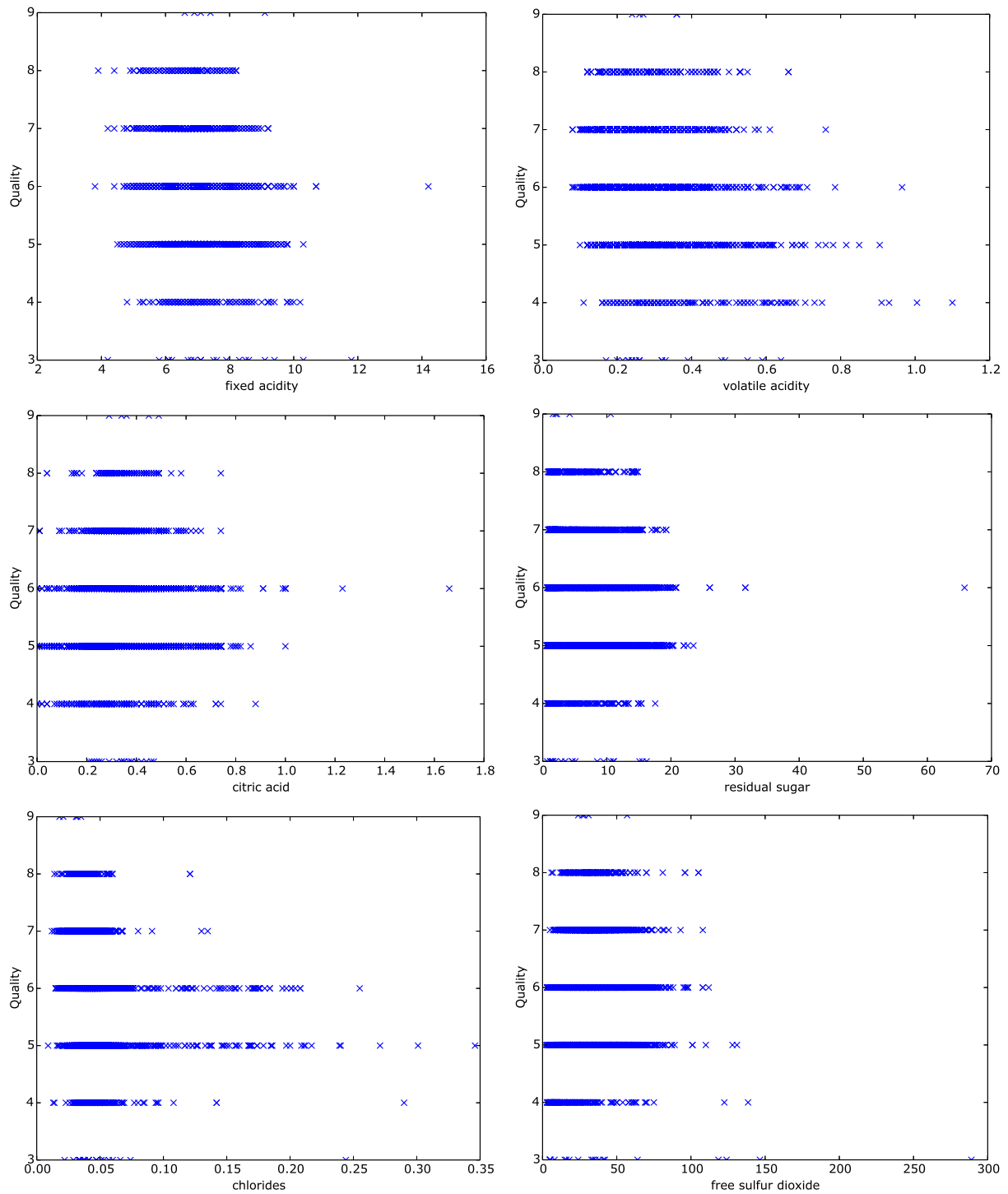


Figure 3: Todo.

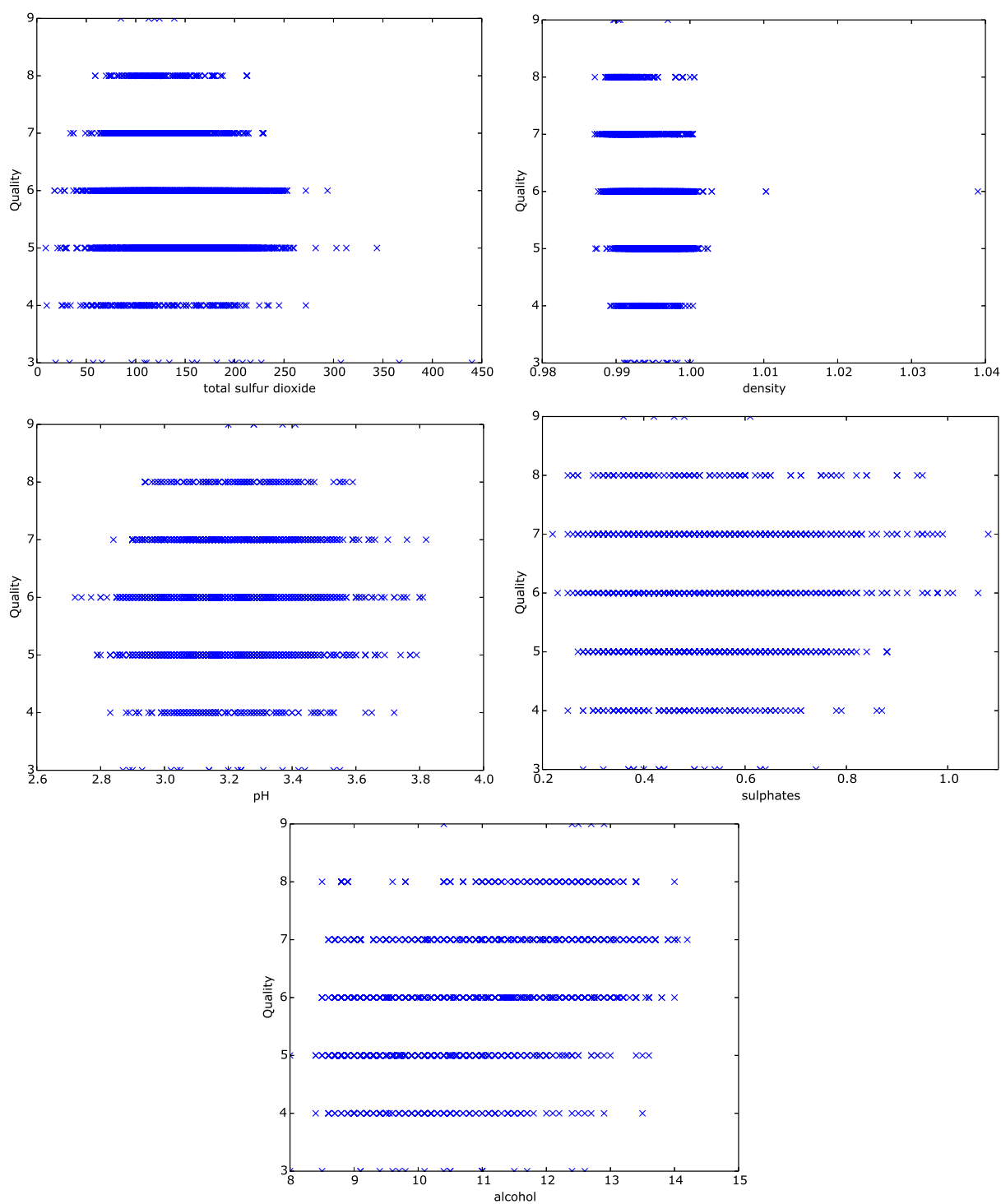


Figure 4: Todo.