2.1 Considering Stratified Sampling, there will be 150 positive samples

and 150 negative samples for test set

~ C500 · C500

10-fold cross validation: (considering stratified sampling), the error rate wind be 50%.

Leave-One-Out: Definitely 100% wrong on test set

 $\hat{F}_{i} = \frac{2P \cdot R}{P \cdot R} \qquad \text{BEP} : R = P$ 

When P=R > F. = P = BEP.

so at BEPIA) & BEPIB). if FIA) > FIB), then BEPIA > BEPIB)

2.4  $\overline{IPR} = \frac{\overline{IP}}{\overline{IP+FN}}$   $\overline{FPR} = \frac{\overline{FP}}{\overline{FP+TN}}$   $R = \frac{\overline{IP}}{\overline{IP+PN}}$ 

- 2.5. 点周江明
- 2.6. 的错误等中的由线都是接受评估的形式。

四诸没率评时的是核型化测试杂的效果,而且的曲线评估的是核理结果的而作况

12-121

(3) 理想来说,一个如果全部从身在厅可能接近于O. AUC在厅可能接近于1.

ROC在这对社一广销设备。

2.7.

2.8.

Pros

Simple.

Z - SGOVE

min-max

a normal distribution especially useful in some places easily effected by outlier points (samples)

Cons if add a super big/small value, recalculat all from the beginning.

a lot of calculation ( variance)

- 1. Build Null Hypothesis,
  - 2. Acquire 1/2 value from clata.
  - 3. compared with value in the table, clecide whether or not to accept the null hypothesis.

2.9.