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Webmining 2
  2022年7月12日 星期二
 Bayestan Methods.
Other Classification Approches.
 Accessing Model Performance
 Introduction of Clustering
K- Means Gustering
BAYESIAN Nethods.
1x = variables

y = target class
 P(Y1X) => P(Y=C1 | X)
              P (4 = Cz (2)
Baye's therem (京叶斯名拟)
 P(y1x) = P(x1y) P(y)
 argmax Pilyixi
 ye (Ch. Cz, Cz)
 P(x14) P(y) = P(y) P(X114) P(X214, X1) -... P(Xn(y, X1, X2, .... Xm))
 Naive BayES CLASSIFIERS
 失验概率:
   P(y= Yes)= 9 P(y= N)= 12
 (conditional independence assumption/
(Naive Bayes)
  K-nearest neighbour.
                  & lesting
          Training
  M 1 =
          decision tree
          neural network
           DL
   MODEI EVALVATION
    VAIIDATION SET Approach.
    验证集测试集 (50%+50%)
  K-FOLD CROSS VALIDATION
   Supervised learning L> KT 訊试集 > 验证
  Accuracy = to Z I (yi = gi)

L(y_i = \hat{y_i}) = \begin{cases}
1 & \text{if } (y_i = \hat{y_i}) \\
0 & \text{other wise}
\end{cases}

   RESAMPLING METHODS
   Strain -> Stest
  IEAVE - ONE - OUT
  CROSS- VALIDATION
   使用一个测试集其东有 17一个测试集
   K-MEANS CLUSTERING
  minimized & WCCk)}
   W(C_k) = \frac{1}{|C_k|} \sum_{i,i \in G_k, j \in J} \frac{1}{|C_k|} (X_{ij} - X_{ij})^2
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