
2/27 所有組員:

期末專題: 題目討論

- 台南地區旅遊推薦
- 大賣場攤位進駐規劃獲利最大化
- 籃球運彩分析
- NBA球員分析 Team formation?
- Bitcoin預測
- 疾病預測
- 地震預測

2/27 承恩:

期末專題: (疾病預測) NIH Chest X-ray Dataset

- Type: Image Processing 、Text Mining(!?)、Machine Learning、Deep Learning、Data Mining
- Class label (14種結果)
    - Atelectasis (肺膨脹不全)
    - Consolidation (肺堅實化)
    - Infiltration (肺浸潤)
    - Pneumothorax (氣胸)
    - Edema (肺浮腫)
    - Emphysema (氣腫)
    - Fibrosis (肺纖維化)
    - Effusion (肺積液)
    - Pneumonia (肺炎)
    - Pleural_thickening (胸膜增厚)
    - Cardiomegaly (心臟肥大)
    - Nodule Mass (結塊、腫塊)
    - Hernia (疝)
    - Normal (正常)
- 資料量: 41 GB
- Class label 由 NLP (Nature Language Processing) 取得, 準確率達90%(e.g., 10% label error)
- Links: https://www.kaggle.com/nih-chest-xrays/data

期末專題: (疾病預測) Indian Liver Patient Records

- Type: Data Mining、Machine Learning
- Information
    - 416 liver patient and 167 non liver patient
    - 441 male patient records and 142 female patient records
- Data Columns:
    - Age of the patient
    - Gender of the patient
    - Total Bilirubin

    - Direct Bilirubin
    - Alkaline Phosphatase
    - Alanine Aminotransferase
    - Aspartate Aminotransferase
    - Total Protiens
    - Albumin
    - Albumin and Globulin Ratio
    - Dataset: field used to split the data into two sets (patient with liver disease, or no disease)
- Links: https://www.kaggle.com/uciml/indian-liver-patient-records

期末專題: (疾病預測) Heart Disease Data Set

- Type: Data Mining、Machine Learning
- Information:
    - Database got 76 attributes but but all published experiments refer to using a subset of 14 of them
- Dataset Attributes:
    - #3 (age)
    - #4 (sex)
    - #9 (cp)
    - #10 (trestbps)
    - #12 (chol)
    - #16 (fbs)
    - #19 (restecg)
    - #32 (thalach)
    - #38 (exang)
    - #40 (oldpeak)
    - #41 (slope)
    - #44 (ca)
    - #51 (thal)
    - #58 (num) (the predicted attribute)
- Links: http://archive.ics.uci.edu/ml/datasets/heart+disease

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3/13 承恩:

Homework 1 報告 Links: https://hackmd.io/EnrIIEPuQq-OFb9mYzoQIQ

2018/03/15 ~jwhuang

有比較明確的題目方向了嗎?

2018/04/16
https://data.world
可以在這裡找好多好多資料 yo