KLR - 335   Machine Learning

Jupiter Notebook ⎫
Pycharm   ⎭
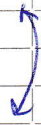
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Dienstag, 10.10.2023

Machine Learning ← still slide **1**

Projektarbeit....

Box Turtry / Open AI Hide & Seek   ← youtube
      Emergent Tool Use from Multi-Agent Interaction

Vorliegende Teile
Testdaten
  ⎫   neu trainieren
Neu daten ....

Test Menge   ⎰ Training Menge ⎱ Pareto
   20%   80%

Test Menge   Trainingsmenge

numpy, pandas, matplotlib
scipy, scikit-learn

Test-set , Train-set

- Stratified sampling

train-test-split (...

   ...

Stratify = hovanggemnl ["income_cat", ... "median price_cat"

      ↑

     has to be category, not continue.

Correlation !

Aussagekraft

Antisipasi data yang hilang ⟶ mengandung None atau NaN

↳ scikit learn

⟶ from sklearn.impute import SimpleImputer

imputer = SimpleImputer(strategy = "median")

imputer.fit(housing_num, y = None)

~~~~ pandas dataframe

sparse matrix in numpy ⟶ Compressed Sparse Row format (CSR)

Pipeline
↳ hard to debug

from sklearn.pipeline import Pipeline

has to have
fit & transform ⟵ class/fundim in Pipeline

sklearn metrics

☆ fit & transform ⇄ Transform...

★ fit & predicts ⟵ model & algorithm