Interpretable Machine Learning of PET Imaging for Individualized Predictions of Seizure Outcomes after Temporal Lobe Epilepsy Surgery

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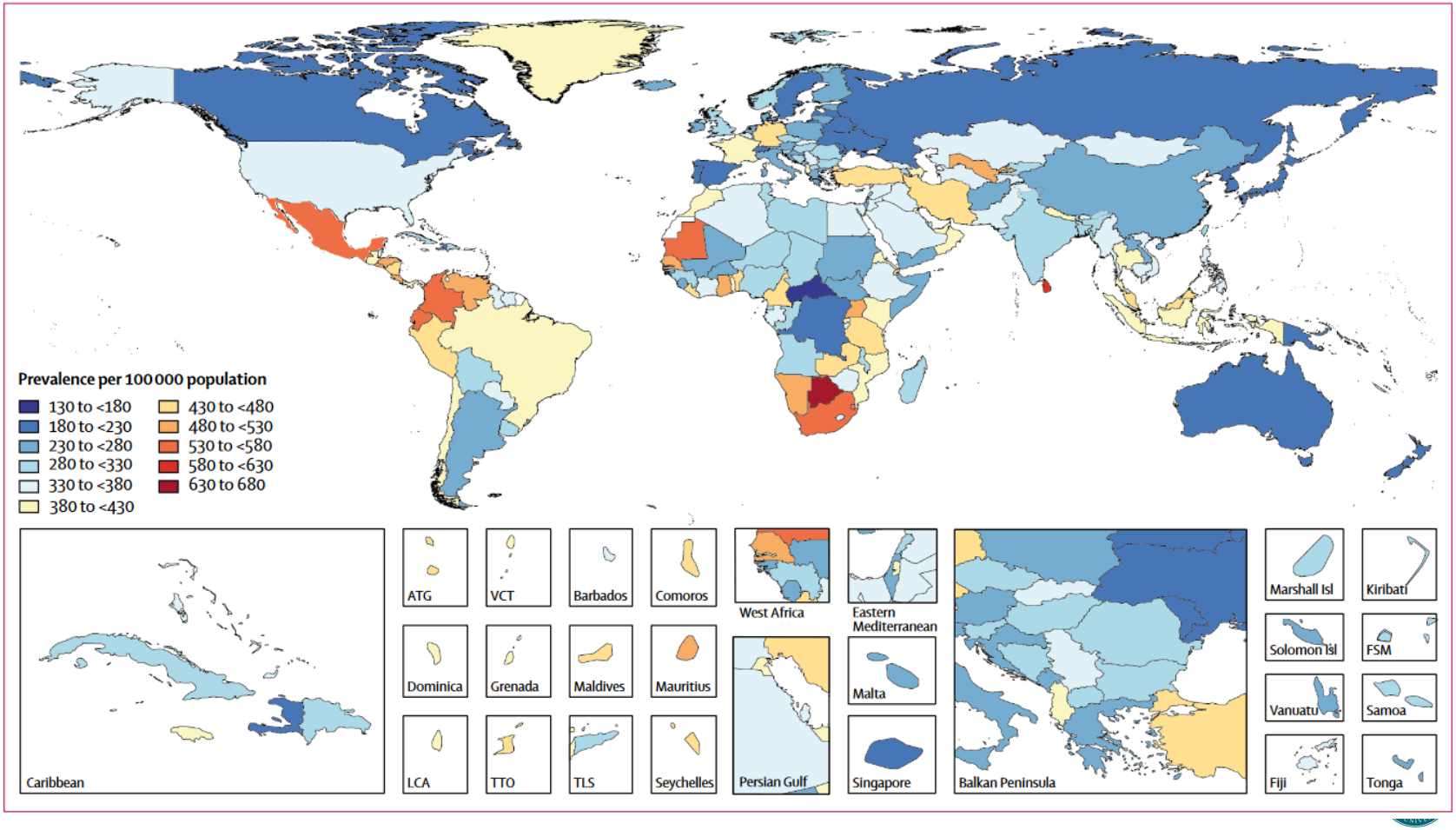
Introduction

Background

Epilepsy epidemiology



The Data

TLE_EML_Flow.png

EDA

SHAP

- **Shapley**

The Model

Benchmark

This text is centered.

benchmark

- KNN
- “ ” 5
- AUC
- AUC

PipeOp PipeOps %>>% Graph

- PipeOp, %>>% gunion() ppl()
- Graph$plot()
- as_learner(Graph)

The Explanation

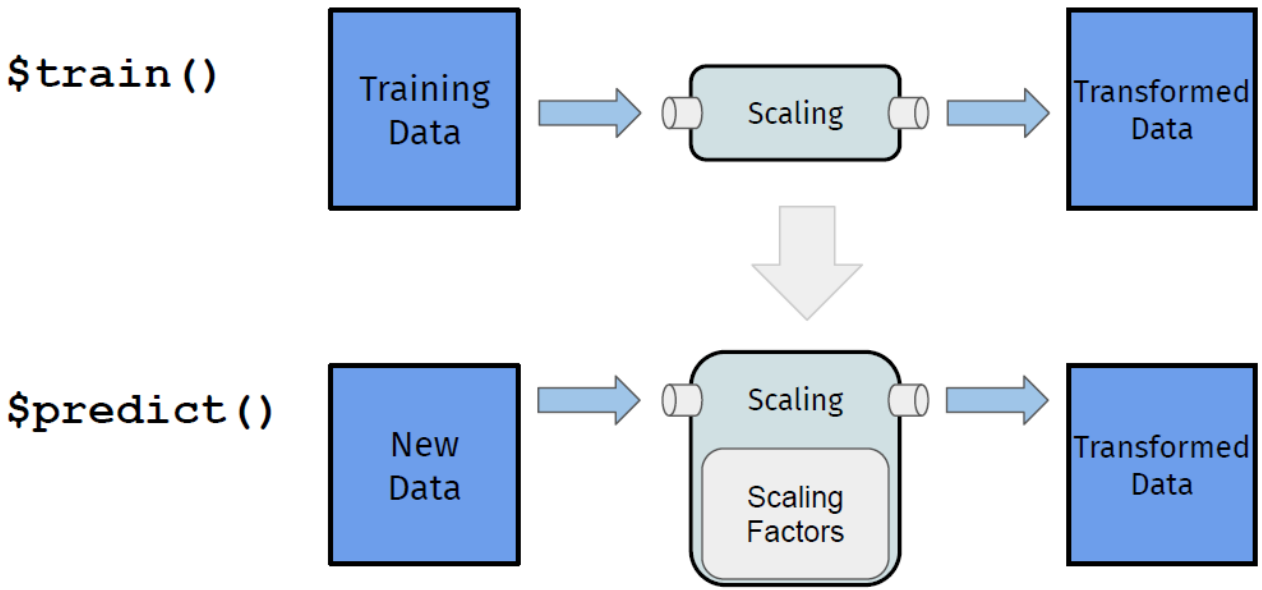


Figure 1:

- 3 KNN SVM Ranger
- method:

con

(2)

” ” ranger ”impurity”

task$select()

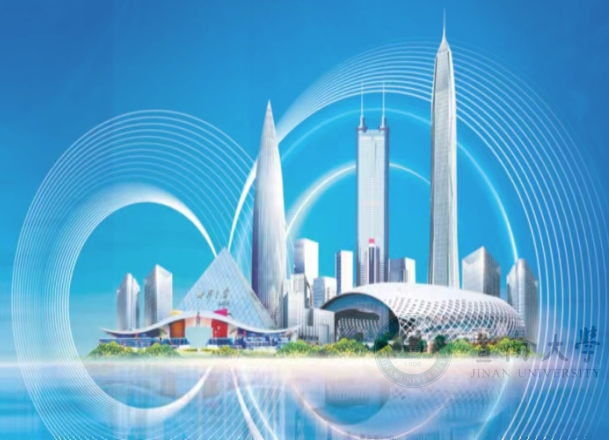
2.

mlr3fselect

- fselect()
- auto_fselector(),
- fselect_nested()

.

R mlr3verse (?)



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