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Rain in Australia

Modelling

The modelling script does model 4 different modeltypes:

- KNeighbors
- Decision Tree
- Random Forest
- Gradient Boosting

The modeling script then stores the best model with MLFlow.

Pressing the button "Train model" starts the training process with the newest dataset

Train model

Training completed successfully!

Training Logs:

```
data is loaded.
train-test split is done.

Model: KNeighbors
  Accuracy : 0.7773569023569024
  Precision: 0.5135520684736091
  Recall   : 0.22415940224159403
  F1-score : 0.31209362808842656

Model: DecisionTree
```

```
  Accuracy : 0.8028900112233446
  Precision: 0.6899810964083176
  Recall   : 0.22727272727272727
  F1-score : 0.34192037470725994

Model: RandomForest
  Accuracy : 0.837682379349046
  Precision: 0.7781908302354399
  Recall   : 0.39103362391033625
  F1-score : 0.5205138831330294

Model: GradientBoosting
  Accuracy : 0.8484848484848485
  Precision: 0.7412844036697248
  Recall   : 0.5031133250311333
  F1-score : 0.599406528189911
best model is saved.

Best model (by F1-score):
  Name     : GradientBoosting
training is finished.
```