

Сороколіт Владислав 6ПІ-226

Використаний набір даних

Обраний датасет – <https://www.kaggle.com/datasets/uciml/sms-spam-collection-dataset>


Перший крок – обрати сценарій.

Select a scenario

Learn more about training with your own data in Model Builder.

Tabular


The following scenarios use Automated ML to train and pick the best model for your data (numbers, text, categorical, date).



Data classification

Classify tabular data (numeric, categorical, text) into 2+ categories, e.g. categorize flowers based on petal size and width measurements.

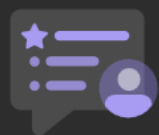
Local



Value prediction

Predict a numeric value from your data (regression), e.g. predict the price of a house based on features like size, location, etc.


Local



Recommendation

Produce a list of suggested items for a particular user, e.g. recommend products.

Local



Forecasting

Predict future values based on previously observed time series values.

Select training environment

What are the differences between training environments?

Scenario

Environment


Data

Train

Evaluate

Consume

Next steps

**Local (CPU)**
Train locally on your machine.

Local CPU environment

Processor	AMD Ryzen 5 5600H with Radeon Graphics
Memory	16GB

Azure and GPU are currently not supported for this scenario.

Next step

Feedback

Train

Specify a time to train for evaluating various models.

How long should I train for?

Training setup summary ^

Scenario: Data classification

Environment: Local (CPU)

Data: C:\Users\38068\Desktop\dataset\spam.csv

Time to train (seconds): ⓘ 120

Advanced training options...

Train again



Training complete

Training results

Best MacroAccuracy: 0,7850

Best model: FastForestOva

Training time: 104,27 seconds

Models explored (total): 9

Generated code-behind: MLModel1.consumption.cs, MLModel1.training.cs, MLModel1.evaluate.cs

Next step

Evaluate

Results of training for your model can be found below.

How do I understand my model performance?

Best model:

MacroAccuracy: 0,7850

Model: FastForestOva

Try your model

Sample data

The following fields are pre-filled by a row of your data.

col1

23213231 hello mate, you have won 100000 BUCKS

col2

col3

col4

Try another prediction

Next step

Results

spam 98%

ham 2%

v1 < 1%

ham"" < 1%

Add data

In order to build a model, you must add data and choose your column to predict.
[How do I get sample datasets and learn more?](#)

Input

Data source type

- ☒ **File (.csv, .tsv, .txt)**
☐ **SQL Server**

C:\Users\38068\Desktop\dataset\spam.csv

Browse...

Column to predict (Label): ⓘ

col0

[Advanced data options...](#)

Data Preview

10 of 5 575 rows.

col0	col1
v1	v2
ham	Go until jurong point, crazy.. Available only in bugis n great world la e buffet... Cine there got amore wat...
ham	Ok lar... Joking wif u oni...
spam	Free entry in 2 a wkly comp to win FA Cup final tkts 21st May 2005. Text FA to 87121 to receive entry question(std txt rate)T&C's apply 08452810075over18's
ham	U dun say so early hor... U c already then say...
ham	Nah I don't think he goes to usf, he lives around here though
spam	FreeMsg Hey there darling it's been 3 week's now and no word back! I'd like some fun you up for it still? Tb ok! XxX std chgs to send, £1.50 to rcv
ham	Even my brother is not like to speak with me. They treat me like aids patent.
ham	As per your request 'Melle Melle (Oru Minnaminunginte Nurungu Vettam)' has been set as your callertune for all Callers. Press *9 to copy your friends Callertune
spam	WINNER!! As a valued network customer you have been selected to receivea £900 prize reward! To claim call 09061701461. Claim code KL341. Valid 12 hours only.

Consume

Your model is ready to use!

Use the code below in an end-user application to consume your model.

Code snippet:

Copy

```
gis n great world la e buffet... Cine there got amore wat...",
```

Project templates

These projects use the model most recently trained on 23.09.2024 at 09:46.

Console app

A .NET console application that uses your model to make predictions.

[Add console app again](#)

Web API

An ASP.NET Core web API that consumes your model.

[Add web app to solution](#)

Next step