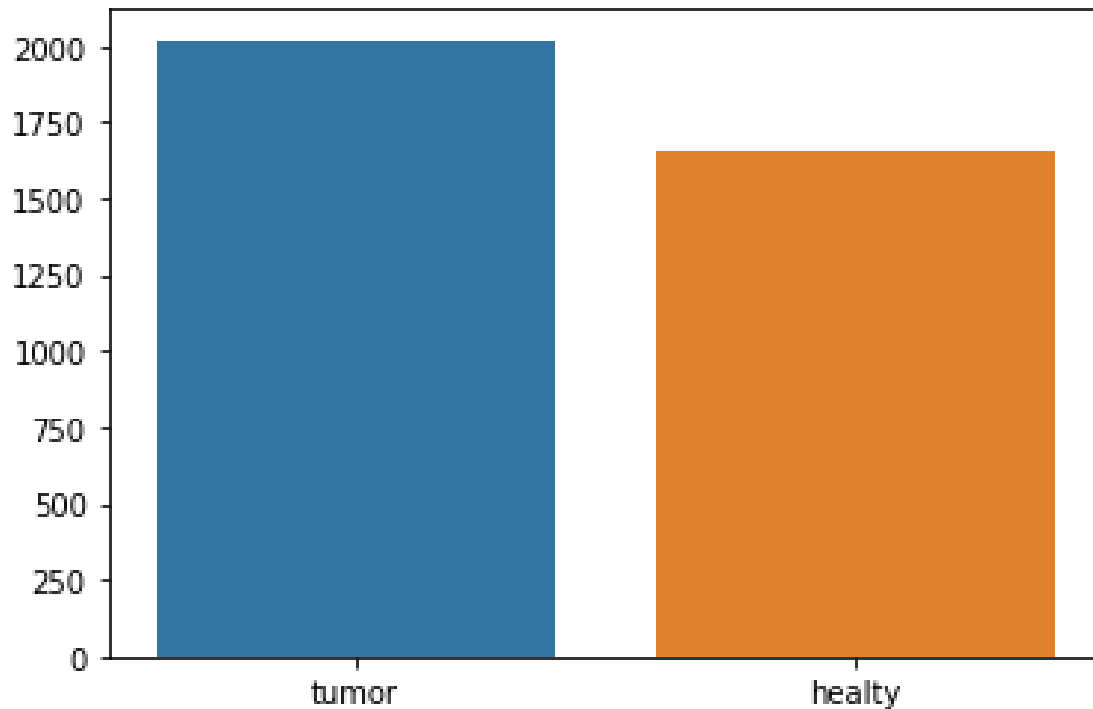# Brain Tumor Detection

Kasia Jasielska, Karolina Mastalerz, Mateusz Nowakowski, Julia Wnuk

Zbiór danych

{'Brain Tumor': 0, 'Healthy': 1}

label
Tumor   2823
No tumor   2283
dtype: int64

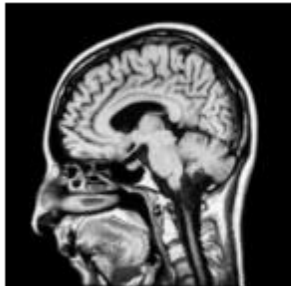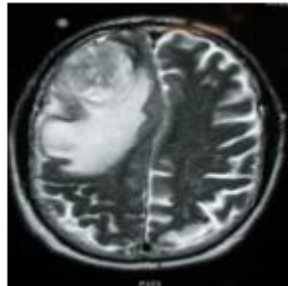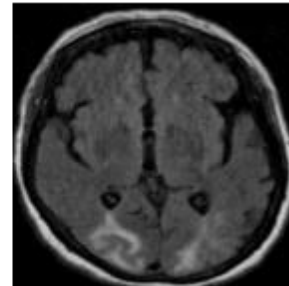# Zbiór danych
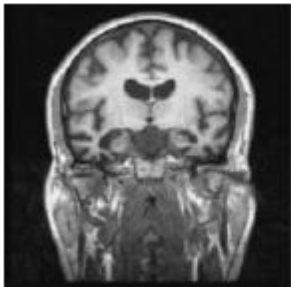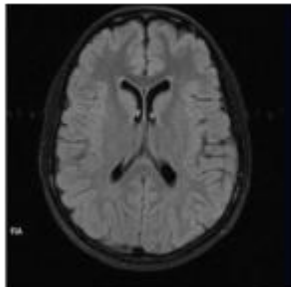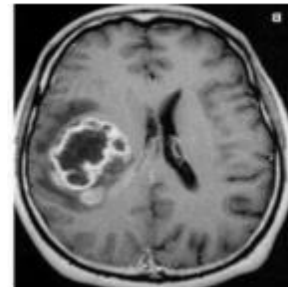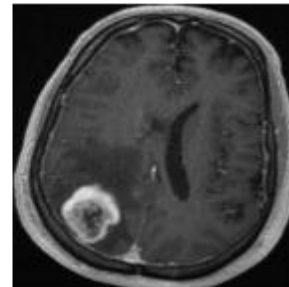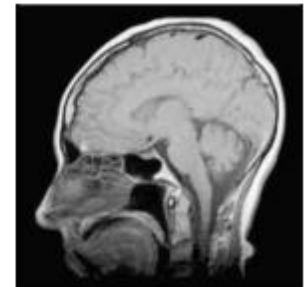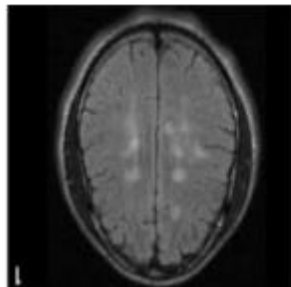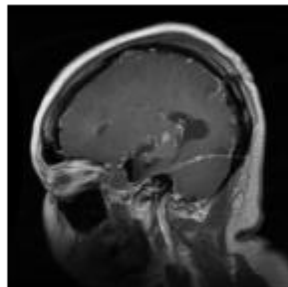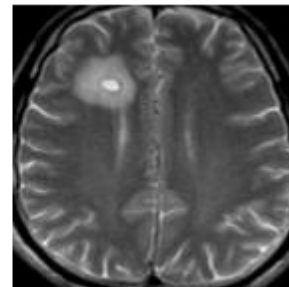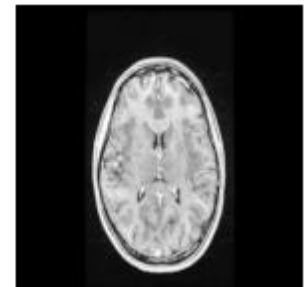
Transfer learning model
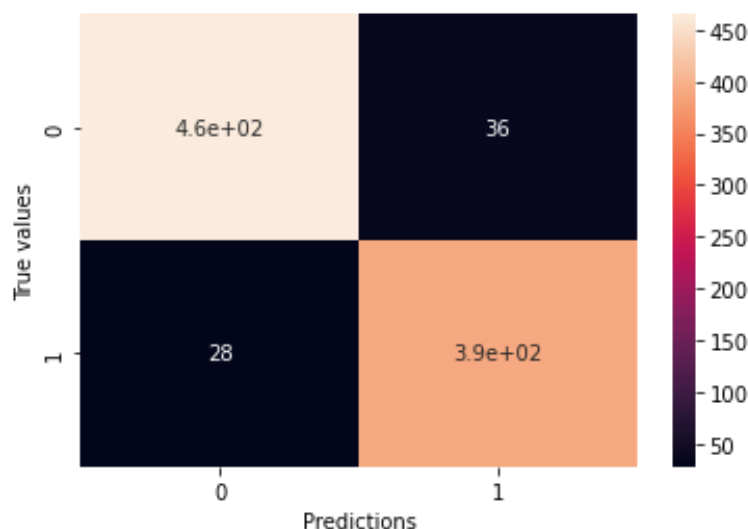
Model: "mobilenet_simple"
```
_____
Layer (type)                    Output Shape              Param #
=======================================================================
mobilenetv2_1.00_224 (Functi (None, 7, 7, 1280)           2257984
_____
global_average_pooling2d (Gl (None, 1280)                 0
_____
dense (Dense)                   (None, 1)                 1281
=======================================================================
Total params: 2,259,265
Trainable params: 1,281
Non-trainable params: 2,257,984
```

```
                precision    recall  f1-score   support

  Brain Tumor       0.94      0.93      0.94       501
      Healthy       0.92      0.93      0.92       419

     accuracy                          0.93       920
    macro avg       0.93      0.93      0.93       920
 weighted avg       0.93      0.93      0.93       920
```