

Uvod

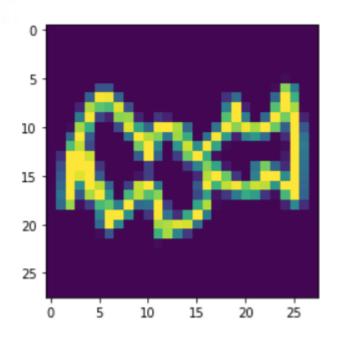
- Prepoznavanje skica
- MNIST, Fashion MNIST

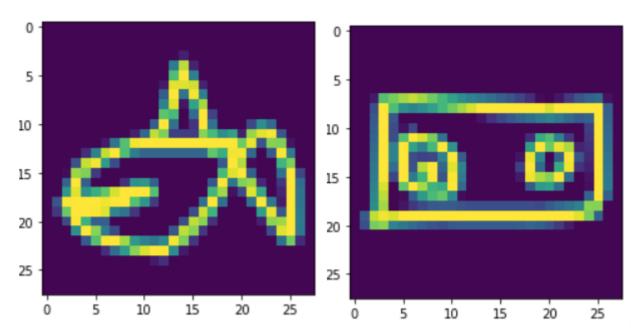
Inicijalan pristup

- Free-hand Sketch Recognition Classification (2017)
- 250 klasa, preko 20000 skica
- Dimenzije slika: (128, 128, 3)
- Preciznost 66,5%

Skup podataka

- quickdraw_bitmap dataset
- Dimenzija slika: (28, 28, 1)





Model

Model: "sequential"

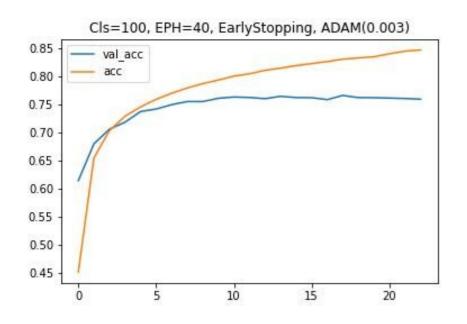
Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 28, 28, 32)	832
<pre>max_pooling2d (MaxPooling2D)</pre>	(None, 14, 14, 32)	0
conv2d_1 (Conv2D)	(None, 14, 14, 32)	9248
<pre>max_pooling2d_1 (MaxPooling 2D)</pre>	(None, 7, 7, 32)	0
conv2d_2 (Conv2D)	(None, 7, 7, 64)	18496
<pre>max_pooling2d_2 (MaxPooling 2D)</pre>	(None, 3, 3, 64)	0
flatten (Flatten)	(None, 576)	0
dense (Dense)	(None, 512)	295424
dense_1 (Dense)	(None, 100)	51300

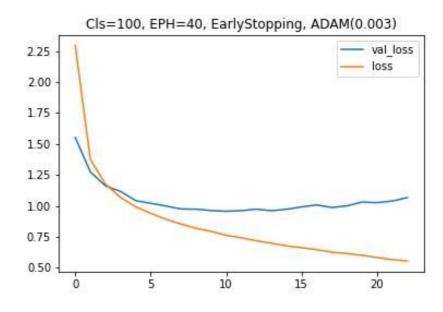
Total params: 375,300 Trainable params: 375,300 Non-trainable params: 0

Faza treniranja



Rezultati inicijalnog modela





Rezultati popravljenog modela

