

This file contains some of the experiments I tried while training the model to improve its accuracy in predicting captchas from images.

7.

 predictions (3).csv Complete · 7d ago	0.71500	0.71557	
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Total Epochs : 8

Learning Rate : **1e-5** for first 3 epochs, **1e-6** for next 2 epochs, **1e-7** for next 2 epochs, and **1e-8** for last one epoch.

Total Images : Model trained on whole dataset (50k images).

Here, 0.71500 indicates prediction accuracy on 30% of the test data (evaluated at the end of the competition) and 0.71557 indicates prediction accuracy on 70% of the test data (evaluated live during the competition).

6.



 predictions (6).csv Complete · 3d ago	0.71100	0.71428	
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Total Epochs : 9

Learning Rate : **1e-5** for first 3 epochs, **1e-6** for next 2 epochs, **1e-7** for next 2 epochs, and **1e-8** for last 2 epochs.

Total Images : Model trained on whole dataset (50k images).

5.


 predictions.csv Complete · 1d ago	0.71114	
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Total Epochs : 9

Learning Rate : **1e-5** for first 3 epochs, **1e-6** for next 2 epochs, **1e-7** for next 2 epochs, and **1e-8** for last 2 epochs.

Total Images : Model trained on whole dataset (50k images).

4.

 <b>DATABLITZ Approach 2 - Version 1</b> Complete · 2h ago	0.70914	<input type="checkbox"/>
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50k images, 5 epochs, 1e-5 learning rate for first 3 epochs and 1e-6 epochs for last 2 epochs.

3.

 <b>predictions (1).csv</b> Complete · 7m ago	0.67385	<input type="checkbox"/>
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50k images, 5 epochs, 1e-5 learning rate

2.

 <b>DATABLITZ STARTER - Version 12</b> Complete · 6m ago	0.60885	<input type="checkbox"/>
 <b>DATABLITZ STARTER - Version 11</b> Complete · 4h ago	0.64785	<input type="checkbox"/>

25k images 5 epochs 1e-5 learning rate

50k images 2 epochs 1e-5 learning rate

**Learning : Try playing with learning rates. Always use whole dataset for making the model generic.**

1.

 <b>DATABLITZ STARTER - Version 10</b> Complete · 2h ago	0.57200	<input type="checkbox"/>
 <b>DATABLITZ STARTER - Version 8</b> Complete · 17h ago	0.49942	<input type="checkbox"/>
 <b>DATABLITZ STARTER - Version 7</b> Complete · 18h ago	0.38328	<input type="checkbox"/>
 <b>predictions.csv</b> Complete · 1d ago	0.27800	<input type="checkbox"/>

20k images, 3.1 epochs, 1e-5 learning rate

10k images, 5 epochs,  $1e-5$  learning rate

10k images, 1.5 epochs,  $1e-5$  learning rate

10k images, 1 epoch,  $5e-5$  learning rate

**Learning : Try using more data.**