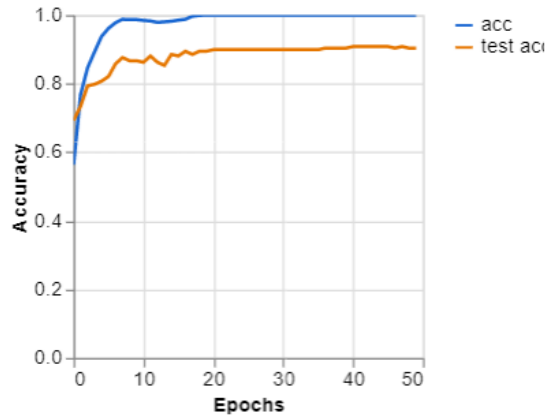


Teachable Machine

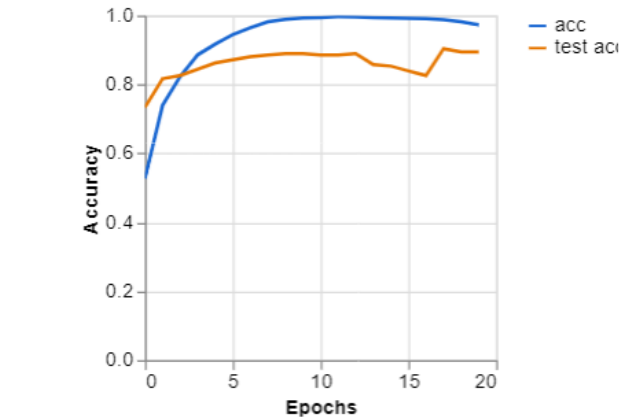
- Round 1, Epoch: 50, Batch: 16, LR: 0.001

Accuracy per epoch



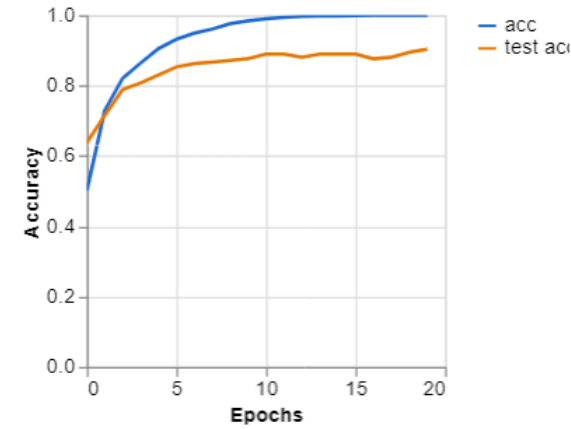
- Round 2, Epoch: 20, Batch: 32, LR: 0.001

Accuracy per epoch



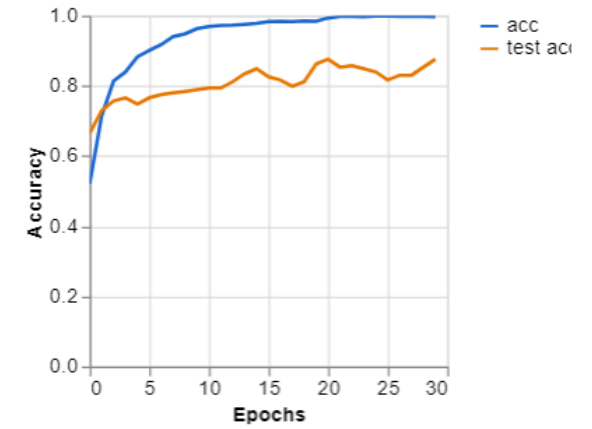
- Round 3, Epoch: 20, Batch: 64, LR: 0.001

Accuracy per epoch

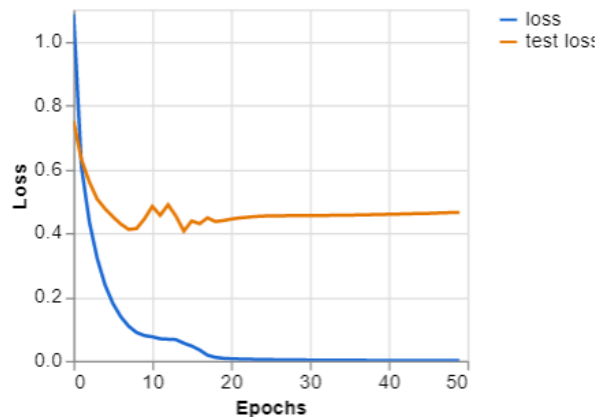


- Round 4, Epoch: 30, Batch: 64, LR: 0.001

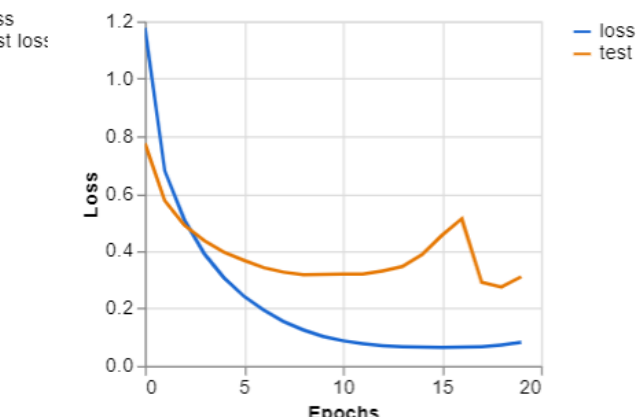
Accuracy per epoch



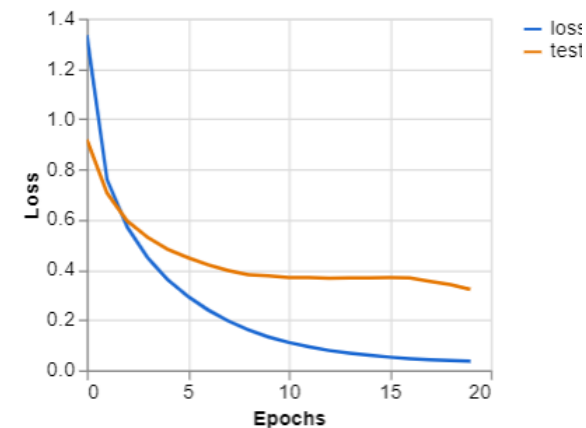
Loss per epoch



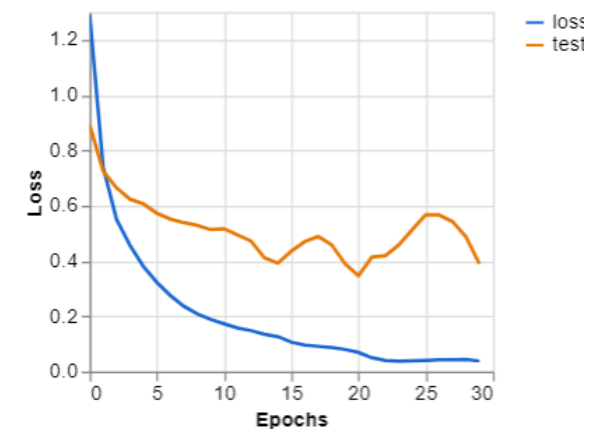
Loss per epoch



Loss per epoch



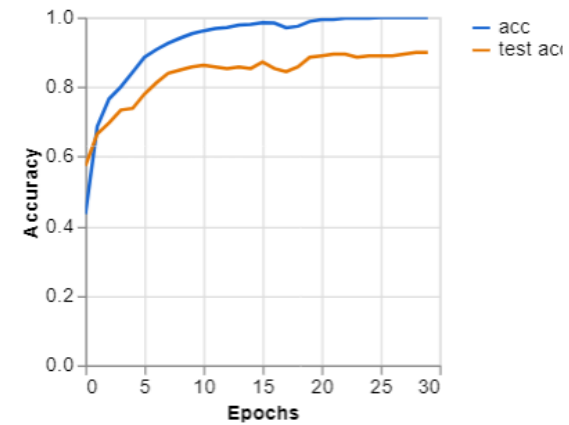
Loss per epoch



Teachable Machine

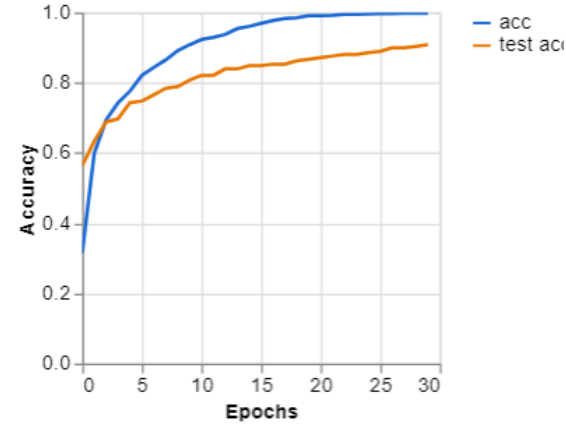
- Round: 5, Epoch: 30, Batch: 128, LR: 0.001

Accuracy per epoch



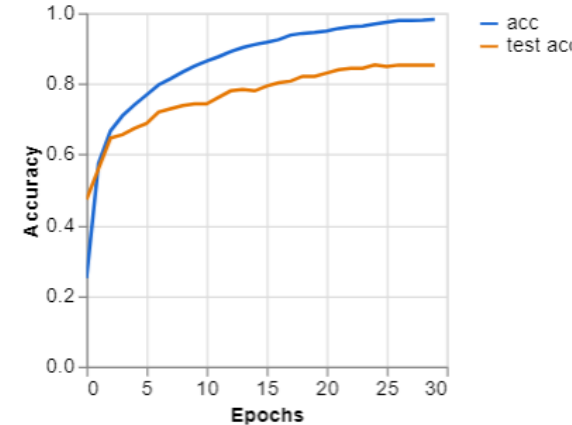
- Round 6, Epoch: 30, Batch: 256, LR: 0.001

Accuracy per epoch



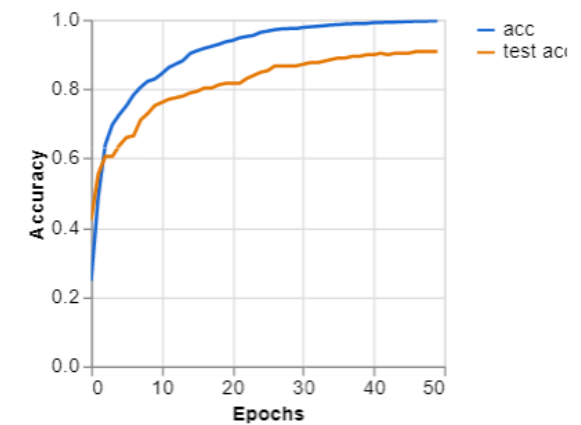
- Round 7, Epoch: 30, Batch: 512, LR: 0.001

Accuracy per epoch

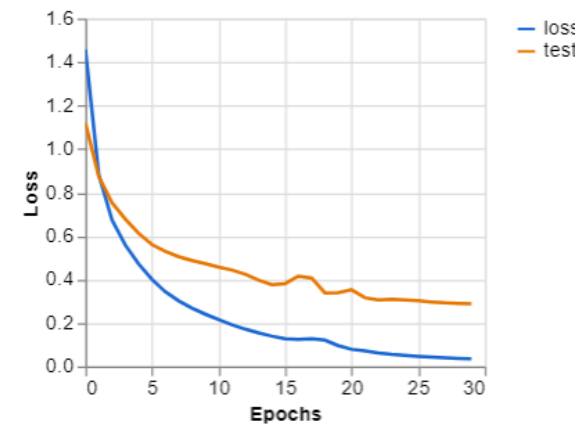


- Round 8, Epoch: 50, Batch: 256, LR: 0.0005

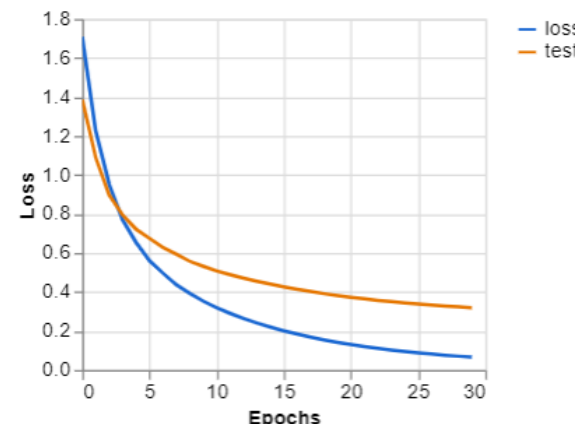
Accuracy per epoch



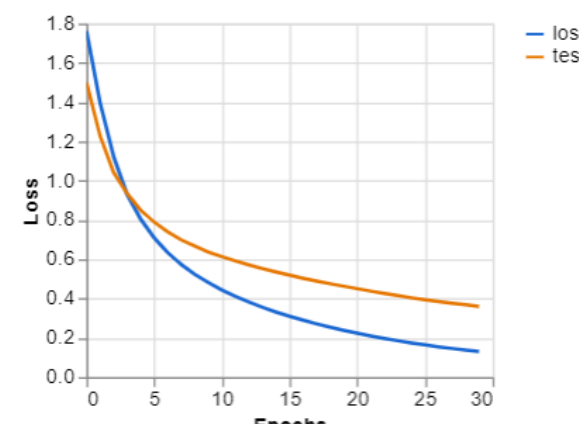
Loss per epoch



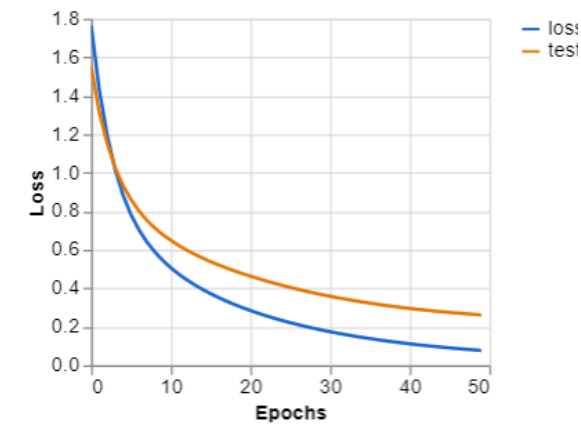
Loss per epoch



Loss per epoch



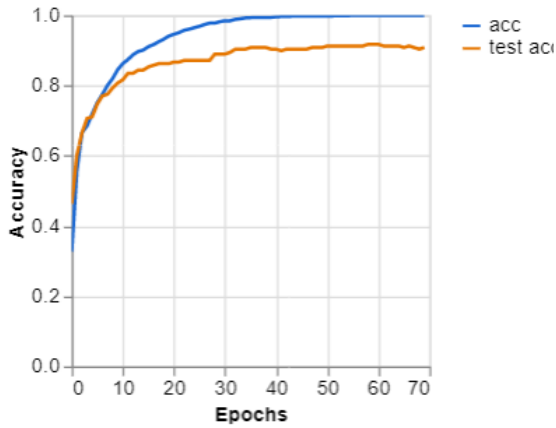
Loss per epoch



Teachable Machine

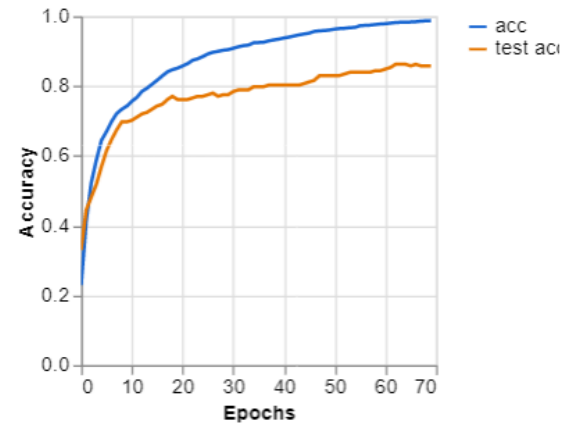
- Round: 9, Epoch: 70,
Batch: 256, LR: 0.0005

Accuracy per epoch



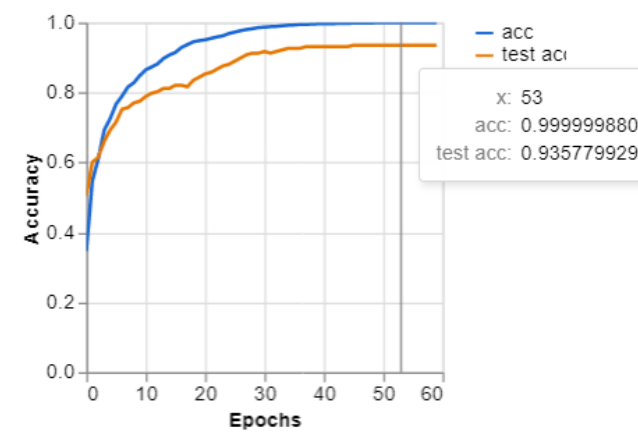
- Round 10, Epoch: 70,
Batch: 256, LR: 0.0002

Accuracy per epoch

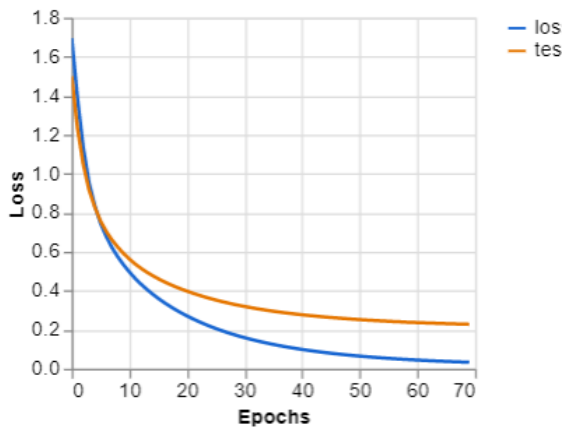


- Round 11, Epoch: 60,
Batch: 256, LR: 0.0005

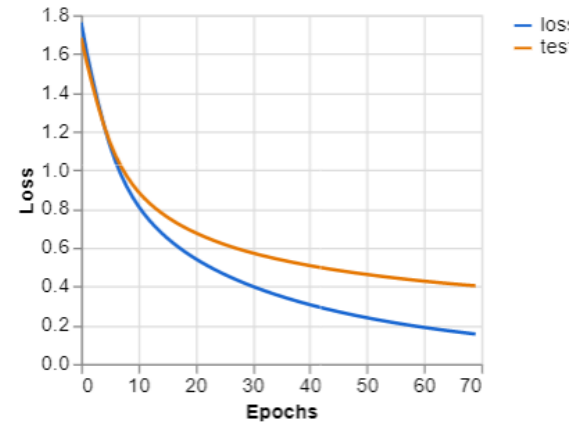
Accuracy per epoch



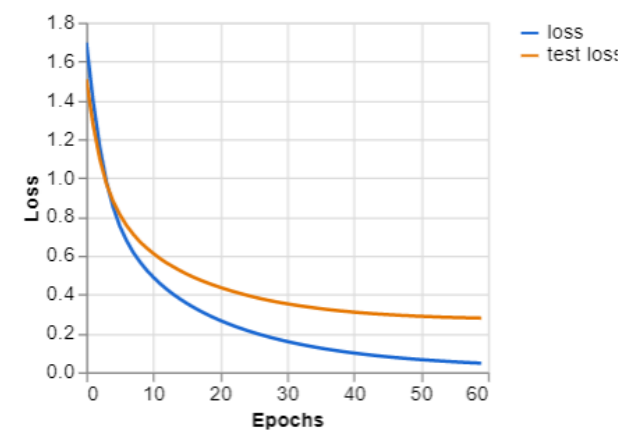
Loss per epoch



Loss per epoch



Loss per epoch



Trained on Teachable Machine

- Round 11, Epoch: 60, Batch: 256, LR: 0.0005
- Augmented, selected & balanced dataset:
<https://1drv.ms/u/s!Ajnxd5Cr74oWkLtruQ9SPzVTXQEOVA?e=2UsaGy>
- Avg accuracy: 93.58%

Class	Original	Augmented	Selected
1	464		250
2	73	219	219
3	45	225	225
4	79	237	237
5	422		250
6	1000		250

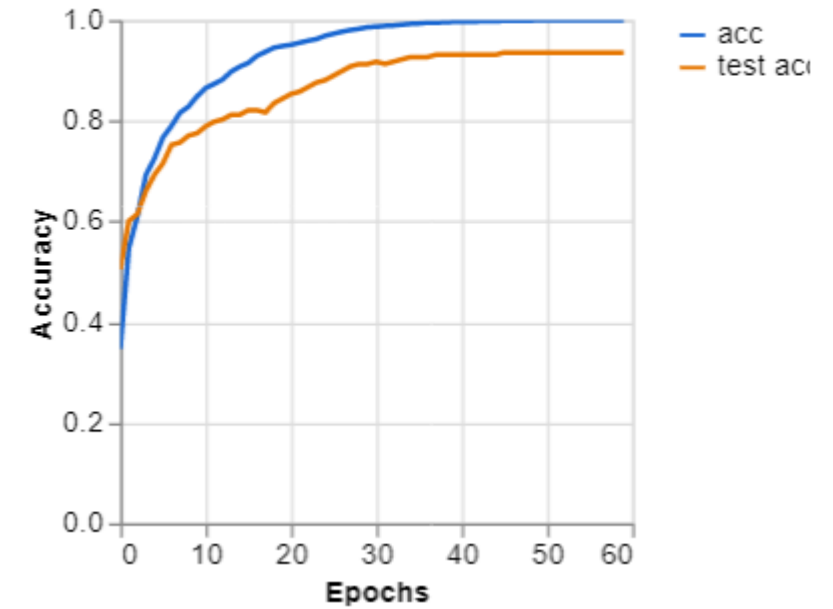
Confusion Matrix

Class	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
Class 1	38	1	0	0	0	0
Class 2	0	32	0	1	0	0
Class 3	1	0	30	2	1	0
Class 4	0	0	0	36	0	0
Class 5	0	0	0	1	32	5
Class 6	0	0	0	0	2	36

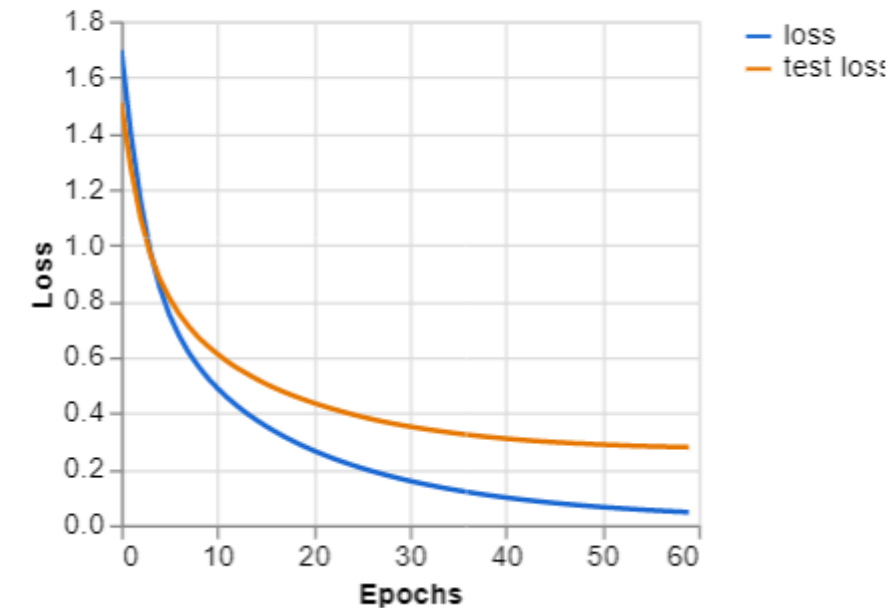
Accuracy per class

CLASS	ACCURACY	# SAMPLES
Class 1	0.97	39
Class 2	0.97	33
Class 3	0.88	34
Class 4	1.00	36
Class 5	0.84	38
Class 6	0.95	38

Accuracy per epoch



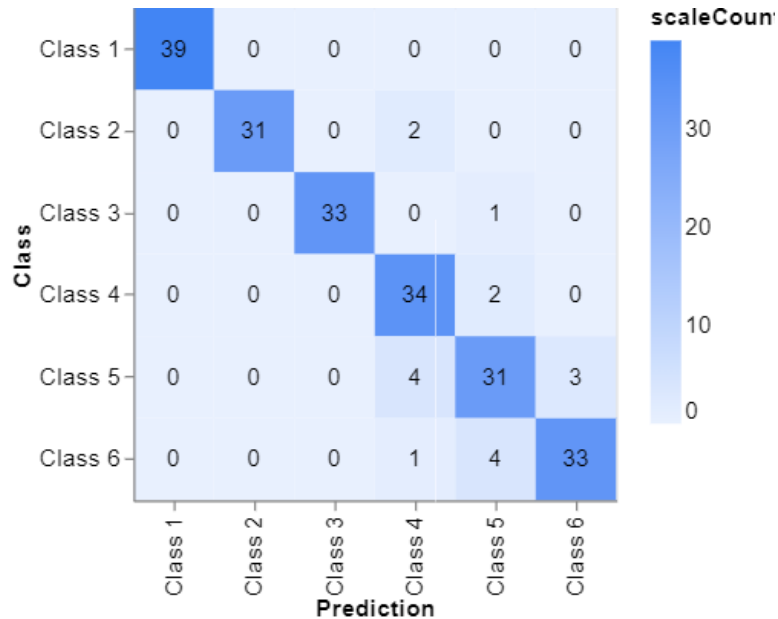
Loss per epoch



Trained on Teachable Machine

- Round 12, Epoch: 60, Batch: 256, LR: 0.0005
- Augmented, selected & balanced dataset:
<https://1drv.ms/u/s!Ajnxd5Cr74oWkLtruQ9SPzVTXQEOVA?e=2UsaGy>
- Avg accuracy: 92.20%
- h5 file:
converted_keras_round12-92-2.zip

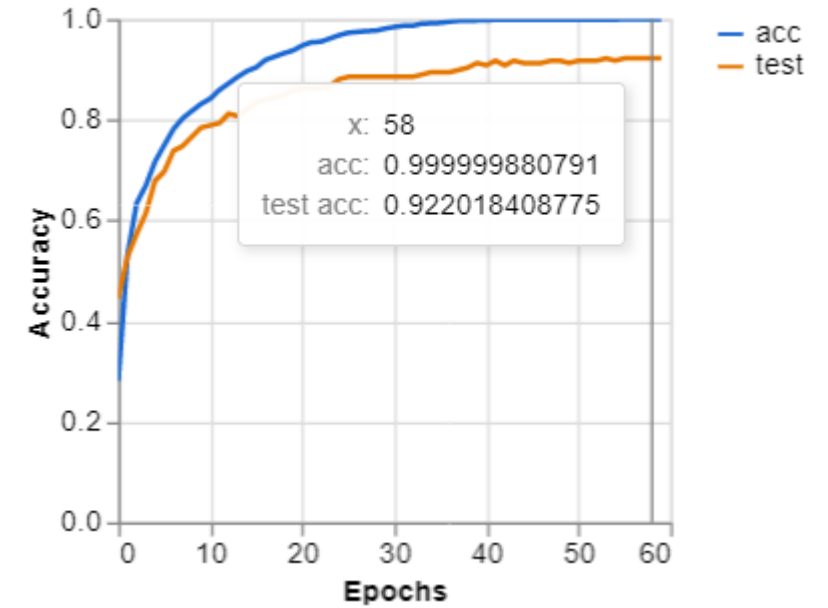
Class	Original	Augmented	Selected
1	464		250
2	73	219	219
3	45	225	225
4	79	237	237
5	422		250
6	1000		250



Accuracy per class

CLASS	ACCURACY	# SAMPLES
Class 1	1.00	39
Class 2	0.94	33
Class 3	0.97	34
Class 4	0.94	36
Class 5	0.82	38
Class 6	0.87	38

Accuracy per epoch



Loss per epoch

