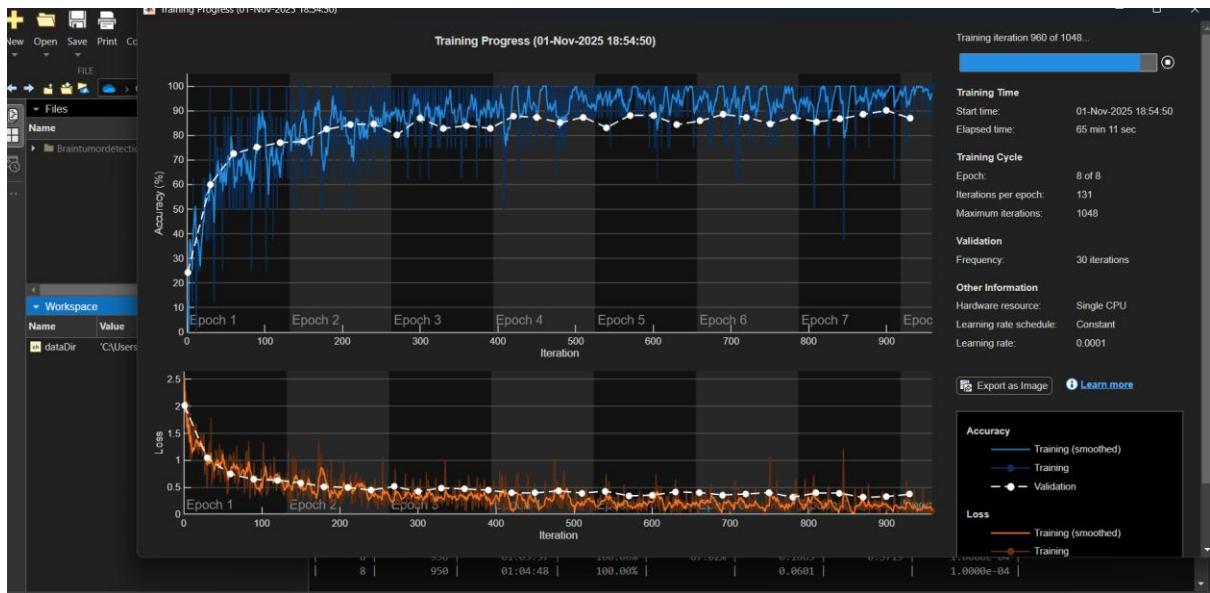


Brain Tumor Detection Using Deep Learning (ResNet-18 on MRI Images)

Result:





Command Window

New to MATLAB? See resources for [Getting Started](#).

```

Label counts:
  Label      Count
  _____
  glioma     300
  meningioma 306
  notumor    405
  pituitary  300

Training on single CPU.
Initializing input data normalization.
=====
```

Epoch	Iteration	Time Elapsed (hh:mm:ss)	Mini-batch Accuracy	Validation Accuracy	Mini-batch Loss	Validation Loss	Base Learning Rate
1	1	00:01:03	12.50%	24.43%	2.5290	2.0135	1.0000e-04
1	30	00:03:53	100.00%	59.92%	0.4824	1.0403	1.0000e-04
1	50	00:04:58	62.50%		1.1889		1.0000e-04
1	60	00:05:54	50.00%	72.52%	1.0041	0.7475	1.0000e-04
1	90	00:07:42	62.50%	75.19%	0.9521	0.6459	1.0000e-04
1	100	00:08:07	87.50%		0.3348		1.0000e-04
1	120	00:09:32	75.00%	77.10%	0.6492	0.6302	1.0000e-04
2	150	00:11:56	87.50%	77.48%	0.4240	0.5834	1.0000e-04
2	180	00:14:58	62.50%	82.44%	0.8539	0.5127	1.0000e-04
2	200	00:16:25	87.50%		0.3885		1.0000e-04
2	210	00:17:54	75.00%	84.35%	0.3993	0.4985	1.0000e-04
2	240	00:20:43	62.50%	84.73%	0.5485	0.4488	1.0000e-04
2	250	00:21:18	75.00%		0.4353		1.0000e-04
3	270	00:22:46	87.50%	80.15%	0.3502	0.5148	1.0000e-04
3	300	00:24:36	62.50%	87.02%	0.5251	0.4242	1.0000e-04
3	330	00:26:22	87.50%	82.82%	0.3567	0.4871	1.0000e-04

