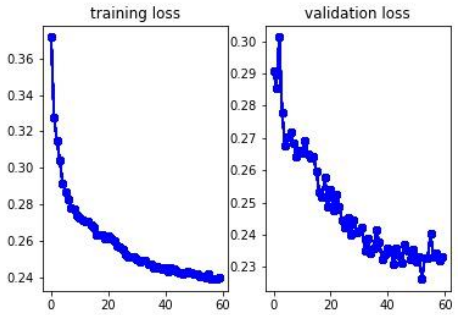
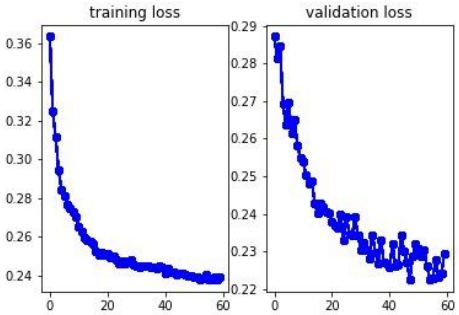
CNN1	Vloss_step	vloss
Lr = 0.05, bz = 32	55	0.2402
Lr = 0.1, bz = 32	44	0.2343
Lr = 0.05, bz = 64	38	0.2466
Lr = 0.1, bz = 64	15	0.2516

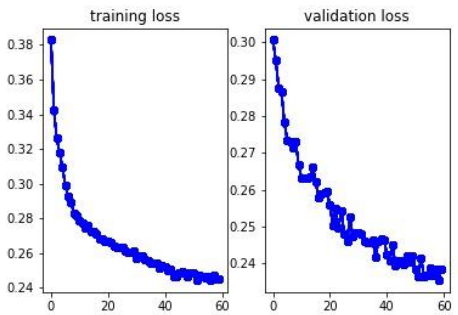
Lr = 0.05, bz = 32



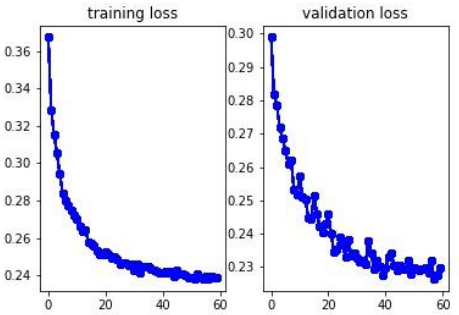
Lr = 0.1, bz = 32



Lr = 0.05, bz = 64



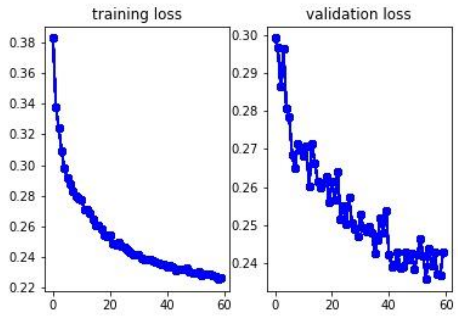
Lr = 0.1, bz = 64



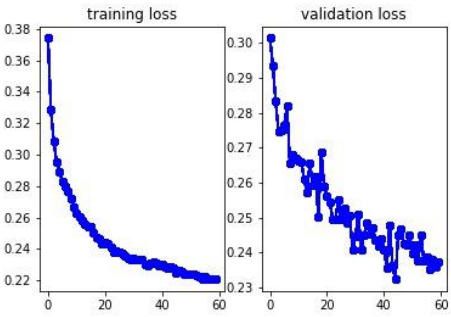

```
DesNet(
  (features): Sequential(
    (0): Conv2d(1, 32, kernel_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)
    (1): BatchNorm2d(32, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (2): ReLU()
    (3): Conv2d(32, 128, kernel_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)
    (4): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (5): ReLU()
    (6): Dropout(p=0.3, inplace=False)
    (7): Conv2d(128, 128, kernel_size=(8, 8), stride=(1, 1), bias=False)
    (8): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
  )
)
```

CNN2	Vloss_step	vloss
Lr = 0.05, bz = 32	16	0.26
Lr = 0.1, bz = 32	9	0.267
Lr = 0.05, bz = 64	25	0.2633
Lr = 0.1, bz = 64	25	0.2659

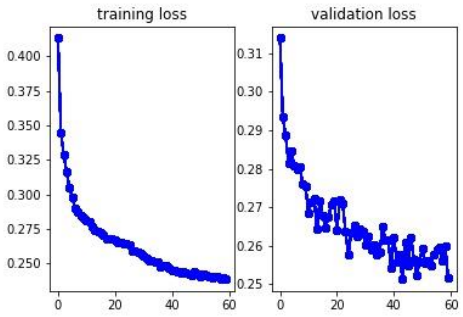
Lr = 0.05, bz = 32



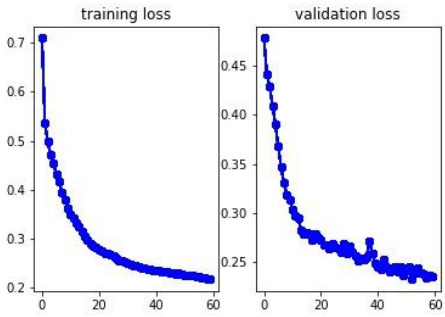
Lr = 0.1, bz = 32



Lr = 0.05, bz = 64



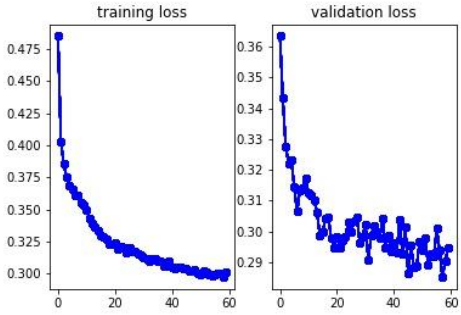
Lr = 0.1, bz = 64



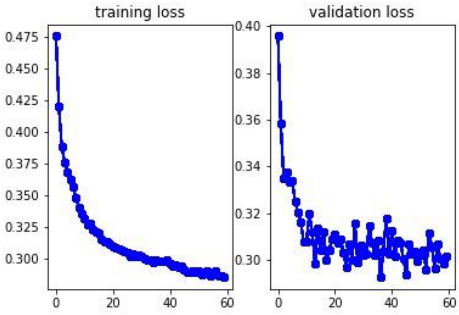
```
DesNet(
  (features): Sequential(
    (0): Conv2d(1, 32, kernel_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)
    (1): BatchNorm2d(32, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (2): ReLU()
    (3): Conv2d(32, 64, kernel_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)
    (4): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (5): ReLU()
    (6): Dropout(p=0.3, inplace=False)
    (7): Conv2d(64, 96, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)
    (8): BatchNorm2d(96, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (9): ReLU()
    (10): Dropout(p=0.3, inplace=False)
    (11): Conv2d(96, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)
    (12): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (13): ReLU()
    (14): Dropout(p=0.3, inplace=False)
    (15): Conv2d(128, 128, kernel_size=(8, 8), stride=(1, 1), bias=False)
    (16): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
  )
)
```

CNN3	Vloss_step	vloss
Lr = 0.05, bz = 32	42	0.3037
Lr = 0.1, bz = 32	30	0.3024
Lr = 0.05, bz = 64	58	0.2989
Lr = 0.1, bz = 64	58	0.2971

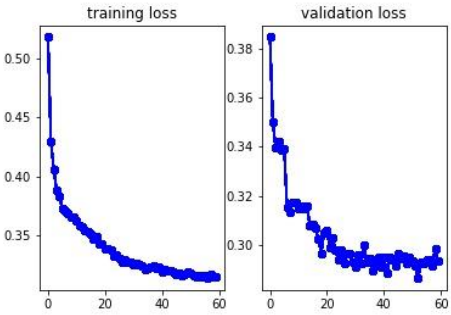
Lr = 0.05, bz = 32



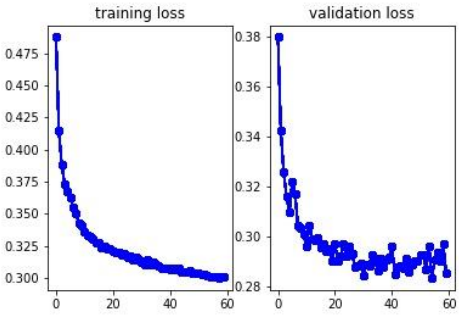
Lr = 0.1, bz = 32



Lr = 0.05, bz = 64



Lr = 0.1, bz = 64



```
DesNet(
  (features): Sequential(
    (0): Conv2d(1, 32, kernel_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)
    (1): BatchNorm2d(32, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (2): ReLU()
    (3): Conv2d(32, 64, kernel_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)
    (4): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (5): ReLU()
    (6): Dropout(p=0.4, inplace=False)
    (7): Conv2d(64, 96, kernel_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)
    (8): BatchNorm2d(96, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (9): ReLU()
    (10): Dropout(p=0.4, inplace=False)
    (11): Conv2d(96, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)
    (12): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (13): ReLU()
    (14): Dropout(p=0.3, inplace=False)
    (15): Conv2d(64, 96, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)
    (16): BatchNorm2d(96, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (17): ReLU()
    (18): Dropout(p=0.3, inplace=False)
    (19): Conv2d(96, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)
    (20): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
    (21): ReLU()
    (22): Dropout(p=0.3, inplace=False)
    (23): Conv2d(128, 128, kernel_size=(4, 4), stride=(1, 1), bias=False)
    (24): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=False, track_running_stats=True)
  )
)
```