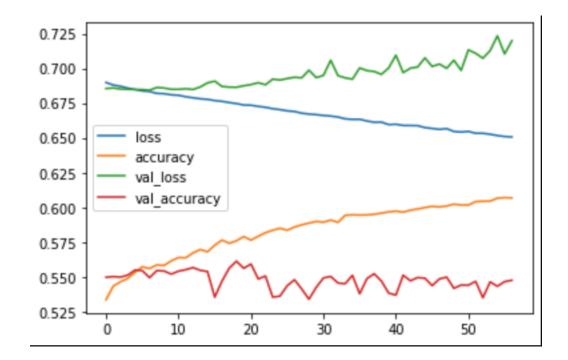
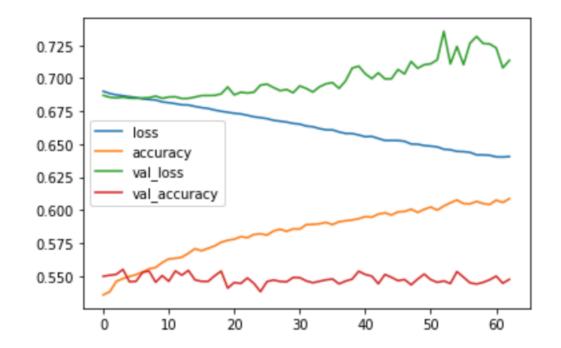
Mean Loss: 0.668175 Mean Validation Loss: 0.695348

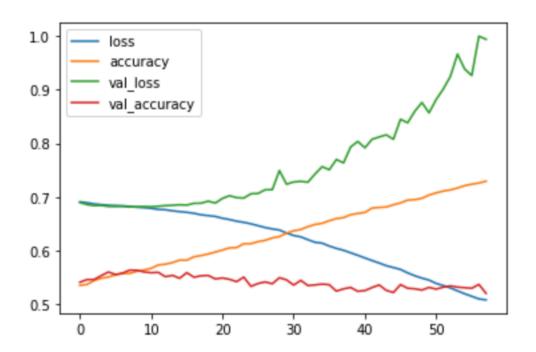
Batch Size: 32



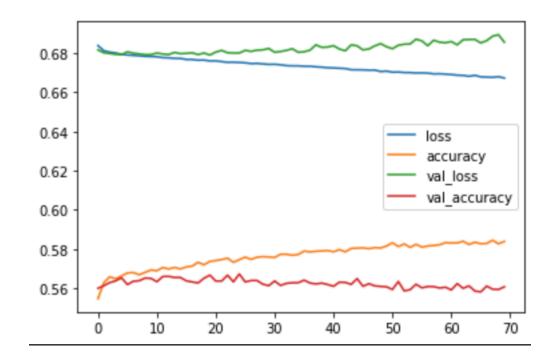
Mean Loss: 0.664054 Mean Validation Loss: 0.69857 Batch Size: 32



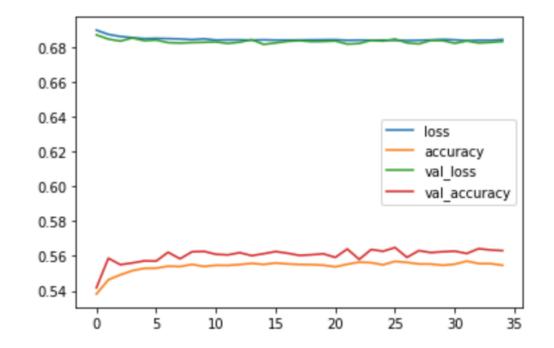
Mean Loss: 0.620608 Mean Validation Loss: 0.762239 Batch Size: 16



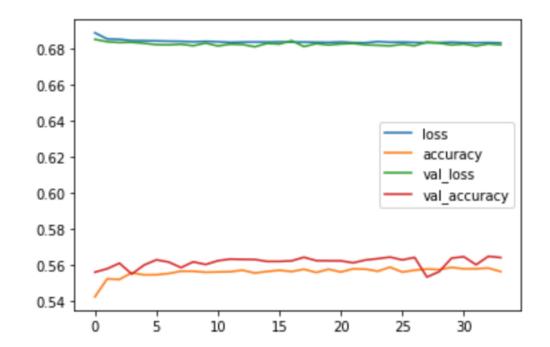
Mean Loss: 0.673568 Mean Validation Loss: 0.682452 Batch Size: 128



Mean Loss: 0.684353 Mean Validation Loss: 0.683085 Batch Size: 128

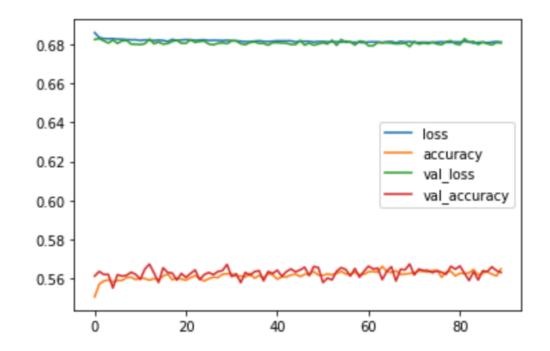


Mean Loss: 0.68361 Mean Validation Loss: 0.682252 Batch Size: 512



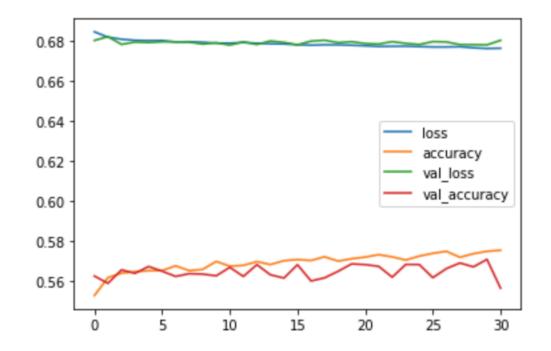
Mean Loss: 0.681508 Mean Validation Loss: 0.68063 Batch Size: 128

```
model = Sequential()
model.add(Conv2D(filters=32, kernel_size=(3, 3), input_shape=image_shape, activation='tanh'))
model.add(MaxPool2D(pool_size=(3, 3)))
model.add(Dropout(0.2))
model.add(Conv2D(filters=64, kernel_size=(3, 3), activation='relu', padding="same"))
model.add(MaxPool2D(pool_size=(2, 2)))
model.add(Dropout(0.2))
model.add(Conv2D(filters=64, kernel_size=(3, 3), activation='relu', padding="same"))
model.add(MaxPool2D(pool_size=(2, 2)))
model.add(Dropout(0.5))
model.add(Flatten())
model.add(Dense(64, activation='relu'))
model.add(Dropout(0.5))
model.add(Dense(1, activation='sigmoid'))
model.compile(loss=loss_param, optimizer=optimizer_param,
             metrics=[metric])
```



Mean Loss: 0.678727 Mean Validation Loss: 0.679328 Batch Size: 512

```
model = Sequential()
model.add(Conv2D(filters=32, kernel_size=(1, 1), input_shape=image_shape, activation='tanh'))
model.add(MaxPool2D(pool_size=(1, 1)))
model.add(Conv2D(filters=32, kernel_size=(3, 3), input_shape=image_shape,
activation='tanh', padding="same"))
model.add(MaxPool2D(pool_size=(3, 3)))
model.add(Conv2D(filters=64, kernel_size=(3, 3), activation='relu', padding="same"))
model.add(MaxPool2D(pool_size=(2, 2)))
model.add(Conv2D(filters=64, kernel_size=(3, 3), activation='relu', padding="same"))
model.add(MaxPool2D(pool_size=(2, 2)))
model.add(Dropout(0.5))
model.add(Flatten())
model.add(Dense(256, activation='relu'))
model.add(Dropout(0.5))
model.add(Dense(1, activation='sigmoid'))
model.compile(loss=loss_param, optimizer=optimizer_param,
             metrics=[metric])
```



Mean Loss: 0.683104 Mean Validation Loss: 0.682327 Batch Size: 16

```
model = Sequential()
model.add(Conv2D(filters=32, kernel_size=(1, 1),
                  input_shape=image_shape, activation='tanh'))
model.add(MaxPool2D(pool_size=(1, 1)))
model.add(Conv2D(filters=32, kernel_size=(3, 3),
                  input_shape=image_shape, activation='tanh'))
model.add(MaxPool2D(pool_size=(3, 3)))
model.add(Dropout(0.5))
model.add(Conv2D(filters=64, kernel_size=(3, 3),
activation='relu', padding="same"))
model.add(MaxPool2D(pool_size=(2, 2)))
model.add(Conv2D(filters=128, kernel_size=(3, 3),
                 activation='relu', padding="same"))
model.add(MaxPool2D(pool_size=(2, 2)))
model.add(Dropout(0.5))
model.add(Flatten())
model.add(Dense(256, activation='relu'))
model.add(Dropout(0.5))
model.add(Dense(1, activation='sigmoid'))
model.compile(loss=loss_param, optimizer=optimizer_param,
             metrics=[metric])
```

