Bonus Homework
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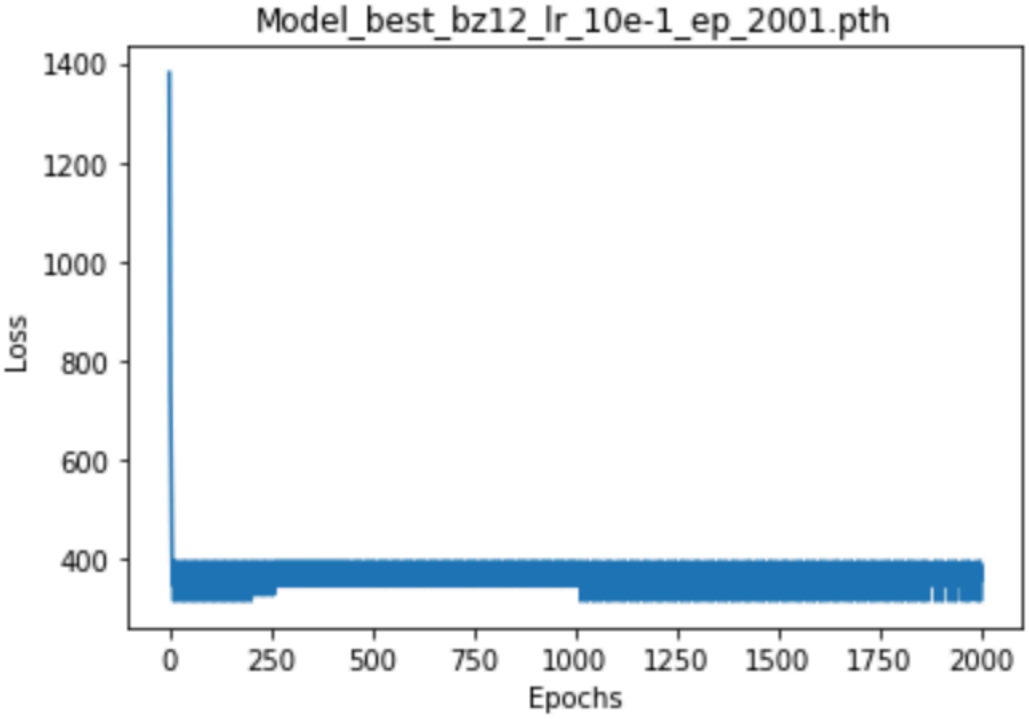
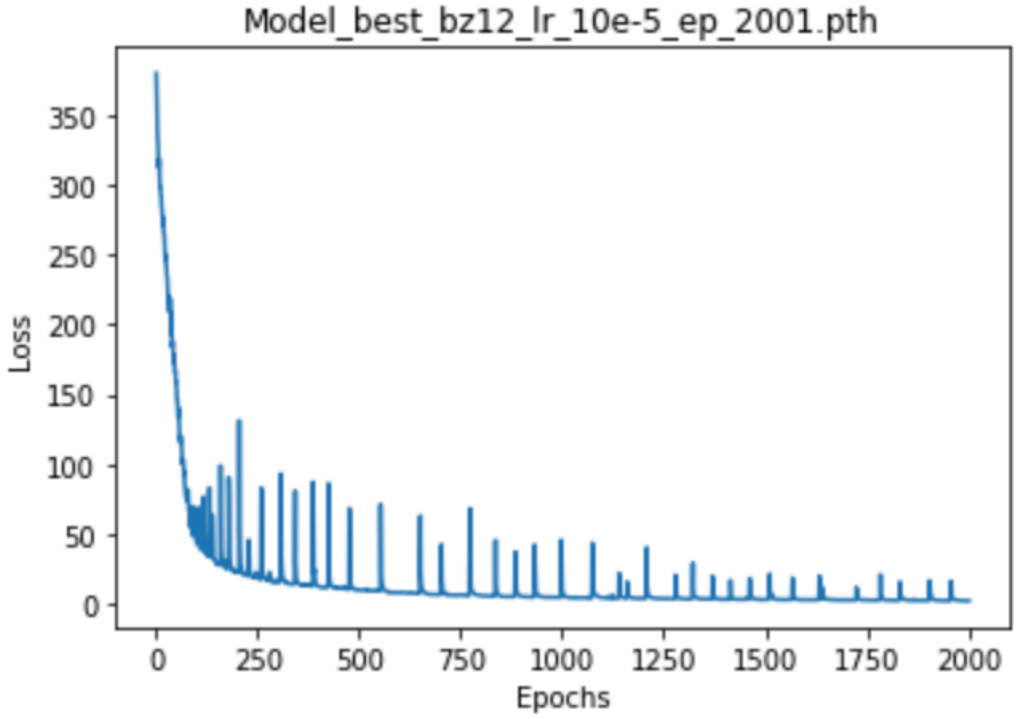
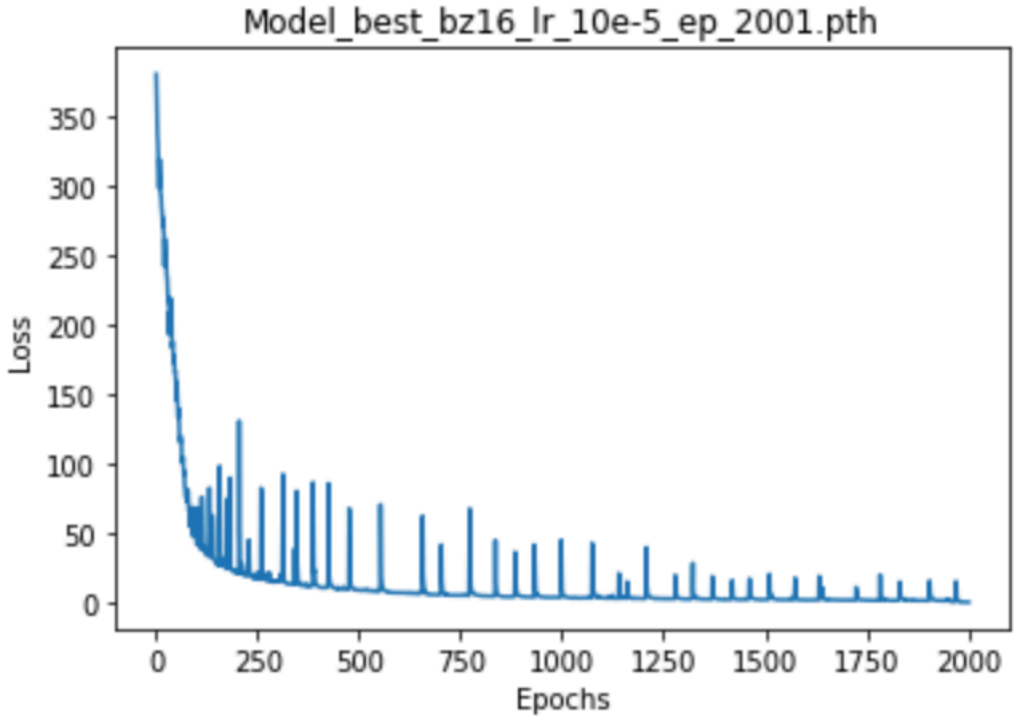
1. model_best.pth -- https://drive.google.com/open?id=1S1M78vXOAqwKt-JNKPOzvMOcuf-5R_Qe

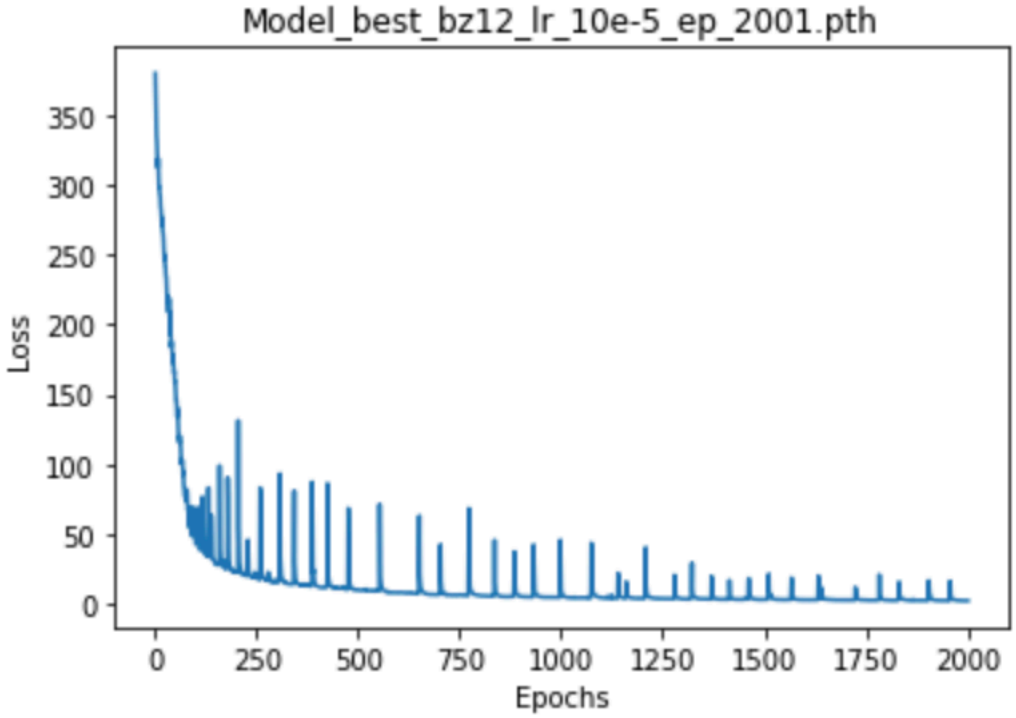
2. Two plots of your training error over 2000+ epochs for two different learning rates and the best batch size. When lr=10e-1, loss stop around 300-400. Once decreasing lr, the loss will be able to converge to 1.4225.





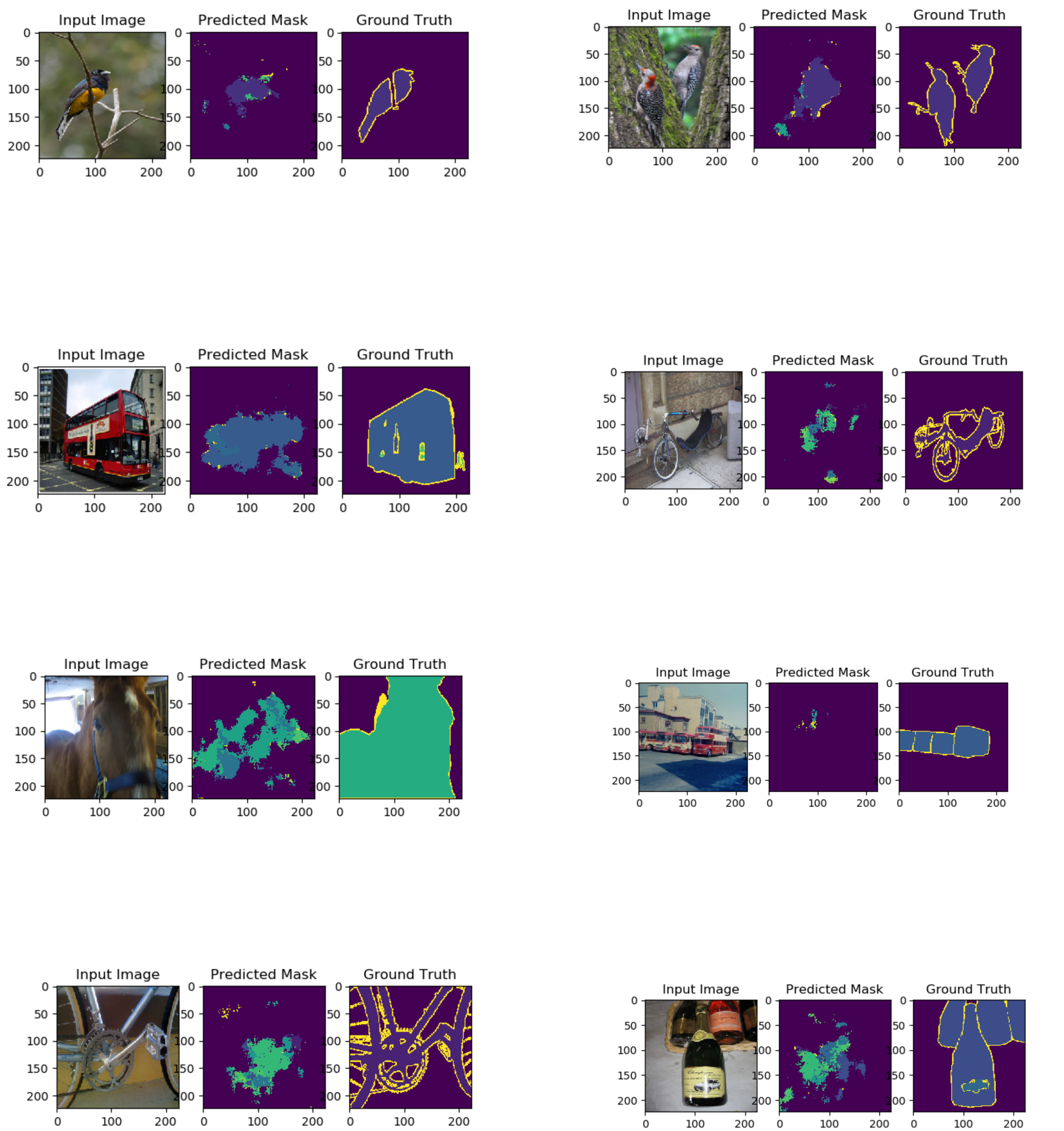
3. Two plots of your training error over 2000+ epochs for two different batch sizes and the best learning rate. When bz=16, loss can achieve 1.2384. When bz=12, loss can achieve 1.4225.

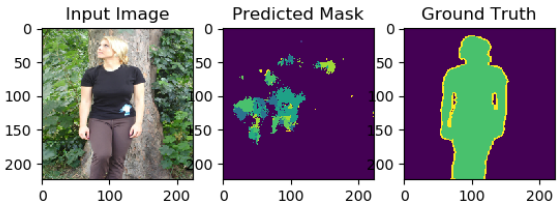


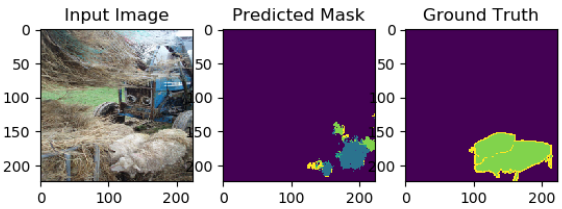


4. Your estimates of the best NUM_EPOCHS, LEARNING_RATE, and BATCH_SIZE.
   NUM_EPOCHS=16000, LEARNING_RATE=10e-6, BATCH_SIZE=16
   This model can attach loss around 0.15.

5. Figure with 10 example validation images and their corresponding semantic segmentations produced by your best SegNet model.




Input Image
Predicted Mask
Ground Truth


Input Image
Predicted Mask
Ground Truth