

DNN Speech Recognizer

REVIEW	CODE REVIEW	HISTORY
<h3>Meets Specifications</h3> <p>Impressive work!</p> <p>You meet all the specifications!</p> <p>I especially enjoyed seeing your predicted transcription which your Notebook printed in the last step "3: Obtain predictions"!</p> <p>Keep up the good work and good luck with your Nanodegree!</p>		
<h4>STEP 2: Model 0: RNN</h4> <div><p>The submission trained the model for at least 20 epochs, and none of the loss values in <code>model_0.pickle</code> are undefined. The trained weights for the model specified in <code>simple_rnn_model</code> are stored in <code>model_0.h5</code>.</p><p>Your VUI Notebook shows that you trained the model for 20 epochs. All the loss values are numeric and not undefined. Validation loss ends at 727.2913</p></div>		
<h4>STEP 2: Model 1: RNN + TimeDistributed Dense</h4> <div><p>The submission includes a <code>sample_models.py</code> file with a completed <code>rnn_model</code> module containing the correct architecture.</p><p>The submission trained the model for at least 20 epochs, and none of the loss values in <code>model_1.pickle</code> are undefined. The trained weights for the model specified in <code>rnn_model</code> are stored in <code>model_1.h5</code>.</p><p>Good job! Your VUI Notebook shows that you trained your <code>rnn_model</code> model for 20 epochs. All the loss values are numeric and not undefined. Your validation loss ends at 210.2870</p></div>		
<h4>STEP 2: Model 2: CNN + RNN + TimeDistributed Dense</h4> <div><p>The submission includes a <code>sample_models.py</code> file with a completed <code>cnn_rnn_model</code> module containing the correct architecture.</p><p>The submission trained the model for at least 20 epochs, and none of the loss values in <code>model_2.pickle</code> are undefined. The trained weights for the model specified in <code>cnn_rnn_model</code> are stored in <code>model_2.h5</code>.</p><p>Well done! Your VUI Notebook shows that you trained <code>cnn_rnn_model</code> model for 20 epochs. All the loss values are numeric and not undefined. Your validation loss ends at 147.4331</p></div>		
<h4>STEP 2: Model 3: Deeper RNN + TimeDistributed Dense</h4> <div><p>The submission includes a <code>sample_models.py</code> file with a completed <code>deep_rnn_model</code> module containing the correct architecture.</p><p>The submission trained the model for at least 20 epochs, and none of the loss values in <code>model_3.pickle</code> are undefined. The trained weights for the model specified in <code>deep_rnn_model</code> are stored in <code>model_3.h5</code>.</p><p>Great job! Your VUI Notebook shows that you trained <code>deep_rnn_model</code> model for 20 epochs. All the loss values are numeric and not undefined. Your validation loss ends at 161.4216</p></div>		
<h4>STEP 2: Model 4: Bidirectional RNN + TimeDistributed Dense</h4> <div><p>The submission includes a <code>sample_models.py</code> file with a completed <code>bidirectional_rnn_model</code> module containing the correct architecture.</p><p>The submission trained the model for at least 20 epochs, and none of the loss values in <code>model_4.pickle</code> are undefined. The trained weights for the model specified in <code>bidirectional_rnn_model</code> are stored in <code>model_4.h5</code>.</p><p>Well done! Your VUI Notebook shows that you trained <code>bidirectional_rnn_model</code> model for 20 epochs. All the loss values are numeric and not undefined. Your validation loss ends at 210.8030</p></div>		
<h4>STEP 2: Compare the Models</h4> <div><p>The submission includes a detailed analysis of why different models might perform better than others.</p><p>In your answer to question 1 you analyzed different models and described why each of them might perform better than others. Excellent job here!</p></div>		
<h4>STEP 2: Final Model</h4> <div><p>The submission trained the model for at least 20 epochs, and none of the loss values in <code>model_end.pickle</code> are undefined. The trained weights for the model specified in <code>final_model</code> are stored in <code>model_end.h5</code>.</p><p>Your VUI Notebook shows that you trained your final model for 20 epochs. All the loss values are numeric and not undefined. Your final validation loss ends at 73.9723</p><p>The submission includes a <code>sample_models.py</code> file with a completed <code>final_model</code> module containing a final architecture that is not identical to any of the previous architectures.</p><p>Your submission includes a <code>sample_models.py</code> file with a completed <code>final_model</code> module containing a final architecture. Good job!</p><p>The submission includes a detailed description of how the final model architecture was designed.</p><p>In your answer to question 2 you described your final model layers and gave your reasoning why you chose such an architecture.</p></div>		
📄 DOWNLOAD PROJECT		