UDACITY

Logout

PROJECT SPECIFICATION

Recurrent Neural Networks

Files Submitted

CRITERIA	MEETS SPECIFICATIONS
Submission Files	The submission includes all required file RNN_project_student_version.ipynb All code must be written ONLY in the TODO sections and no previous code should be modified.

Step 1: Implement a function to window time series

CRITERIA	MEETS SPECIFICATIONS

Window time series data.	The submission returns the proper windowed version of input time series of proper dimension listed in the notebook.

Step 2: Create a simple RNN model for regression

CRITERIA	MEETS SPECIFICATIONS
Build an RNN model to perform regression.	The submission constructs an RNN model in keras with LSTM module of dimension defined in the notebook.

Step 3: Clean up a large text corpus

CRITERIA	MEETS SPECIFICATIONS
Find and remove all non-english or punctuation characters from input text data.	The submission removes all non-english / non-punctuation characters. (English characters should include string.ascii_lowercase and punctuation includes [' ', '!', ',', '.', ':', ';', '?'] (space, eclamation mark, comma, period, colon, semicolon, question mark))

Step 4: Implement a function to window a large text corpus

CRITERIA	MEETS SPECIFICATIONS
Implement a function to window input text data	The submission returns the proper windowed version of input text of proper dimension listed in the notebook.

Step 5: Create an RNN perform multiclass

CRITERIA	MEETS SPECIFICATIONS
Build an RNN model to perform multiclass classification.	The submission constructs an RNN model in keras with LSTM module of dimension defined in the notebook.

Step 6: Generate text using a fully trained RNN

CRITERIA	MEETS SPECIFICATIONS

Generate text using a trained RNN classifier.	The submission presents examples of generated text from a trained RNN module. The majority of this generated text should consist of real english words.

Student FAQ Reviewer Agreement