/usr/local/lib/python2.7/dist-packages/h5py/\_\_init\_\_.py:36: FutureWarning: Conversion of the second argument of issubdtype from `float` to `np.floating` is deprecated. In future, it will be treated as `np.float64 == np.dtype(float).type`.

from .\_conv import register\_converters as \_register\_converters

Entering function \_\_main\_\_

Embedding tokens size=400001

File name 5way\_tur\_ger\_rus\_fra\_usa25-150. Total data size is 250000

Our 5 labels to index dictionary ={u'turkey': 3, u'germany': 1, u'russia': 2, u'us': 4, u'france': 0}

Our 5 index to labels dictionary ={0: u'france', 1: u'germany', 2: u'russia', 3: u'turkey', 4: u'us'}

x\_train: 202500, x\_dev: 22500, x\_test: 25000

y\_train: 202500, y\_dev: 22500, y\_test: 25000

input\_data\_x\_batch shape: (300, 150)

input\_labels\_batch shape: (300, 5)

gru\_forward\_cell units: 300

gru\_backward\_cell units: 300

Epoch: 1/20 ---- best so far on epoch 0: acc=0.0000%

DEV accuracy on epoch 1/20 in train step 0 = 20.0489%

Class turkey : (0/4440) -> accuracy: 0.0000%

Class germany: (0/4420) -> accuracy: 0.0000%

Class russia : (0/4536) -> accuracy: 0.0000%

Class us : (4511/4511) -> accuracy: 100.0000%

Class france : (0/4593) -> accuracy: 0.0000%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 1

INFO:root: Best accuracy 20.0489% at epoch 1/20 (4511/22500)

DEV accuracy on epoch 1/20 in train step 674 = 20.0489%

Class turkey : (0/4440) -> accuracy: 0.0000%

Class germany: (0/4420) -> accuracy: 0.0000%

Class russia : (0/4536) -> accuracy: 0.0000%

Class us : (4511/4511) -> accuracy: 100.0000%

Class france : (0/4593) -> accuracy: 0.0000%

###################################################################################################

Epoch: 2/20 ---- best so far on epoch 1: acc=20.0489%

DEV accuracy on epoch 2/20 in train step 0 = 20.0489%

Class turkey : (0/4440) -> accuracy: 0.0000%

Class germany: (0/4420) -> accuracy: 0.0000%

Class russia : (0/4536) -> accuracy: 0.0000%

Class us : (4510/4511) -> accuracy: 99.9778%

Class france : (1/4593) -> accuracy: 0.0218%

DEV accuracy on epoch 2/20 in train step 337 = 20.4044%

Class turkey : (0/4440) -> accuracy: 0.0000%

Class germany: (2/4420) -> accuracy: 0.0452%

Class russia : (0/4536) -> accuracy: 0.0000%

Class us : (0/4511) -> accuracy: 0.0000%

Class france : (4589/4593) -> accuracy: 99.9129%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 2

INFO:root: Best accuracy 20.4044% at epoch 2/20 (4591/22500)

DEV accuracy on epoch 2/20 in train step 674 = 20.0489%

Class turkey : (0/4440) -> accuracy: 0.0000%

Class germany: (0/4420) -> accuracy: 0.0000%

Class russia : (0/4536) -> accuracy: 0.0000%

Class us : (4511/4511) -> accuracy: 100.0000%

Class france : (0/4593) -> accuracy: 0.0000%

###################################################################################################

Epoch: 3/20 ---- best so far on epoch 2: acc=20.4044%

DEV accuracy on epoch 3/20 in train step 0 = 20.0533%

Class turkey : (0/4440) -> accuracy: 0.0000%

Class germany: (1/4420) -> accuracy: 0.0226%

Class russia : (0/4536) -> accuracy: 0.0000%

Class us : (4511/4511) -> accuracy: 100.0000%

Class france : (0/4593) -> accuracy: 0.0000%

DEV accuracy on epoch 3/20 in train step 337 = 20.0444%

Class turkey : (0/4440) -> accuracy: 0.0000%

Class germany: (3/4420) -> accuracy: 0.0679%

Class russia : (0/4536) -> accuracy: 0.0000%

Class us : (4507/4511) -> accuracy: 99.9113%

Class france : (0/4593) -> accuracy: 0.0000%

DEV accuracy on epoch 3/20 in train step 674 = 39.5733%

Class turkey : (1612/4440) -> accuracy: 36.3063%

Class germany: (1194/4420) -> accuracy: 27.0136%

Class russia : (2137/4536) -> accuracy: 47.1120%

Class us : (3131/4511) -> accuracy: 69.4081%

Class france : (830/4593) -> accuracy: 18.0710%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 3

INFO:root: Best accuracy 39.5733% at epoch 3/20 (8904/22500)

###################################################################################################

Epoch: 4/20 ---- best so far on epoch 3: acc=39.5733%

DEV accuracy on epoch 4/20 in train step 0 = 39.2933%

Class turkey : (1848/4440) -> accuracy: 41.6216%

Class germany: (345/4420) -> accuracy: 7.8054%

Class russia : (2264/4536) -> accuracy: 49.9118%

Class us : (3224/4511) -> accuracy: 71.4697%

Class france : (1160/4593) -> accuracy: 25.2558%

DEV accuracy on epoch 4/20 in train step 337 = 48.9822%

Class turkey : (3151/4440) -> accuracy: 70.9685%

Class germany: (1523/4420) -> accuracy: 34.4570%

Class russia : (2790/4536) -> accuracy: 61.5079%

Class us : (1897/4511) -> accuracy: 42.0528%

Class france : (1660/4593) -> accuracy: 36.1420%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 4

INFO:root: Best accuracy 48.9822% at epoch 4/20 (11021/22500)

DEV accuracy on epoch 4/20 in train step 674 = 50.0267%

Class turkey : (2417/4440) -> accuracy: 54.4369%

Class germany: (1829/4420) -> accuracy: 41.3801%

Class russia : (2777/4536) -> accuracy: 61.2213%

Class us : (2846/4511) -> accuracy: 63.0902%

Class france : (1387/4593) -> accuracy: 30.1981%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 4

INFO:root: Best accuracy 50.0267% at epoch 4/20 (11256/22500)

###################################################################################################

Epoch: 5/20 ---- best so far on epoch 4: acc=50.0267%

DEV accuracy on epoch 5/20 in train step 0 = 50.2000%

Class turkey : (2641/4440) -> accuracy: 59.4820%

Class germany: (1766/4420) -> accuracy: 39.9548%

Class russia : (2299/4536) -> accuracy: 50.6834%

Class us : (2773/4511) -> accuracy: 61.4720%

Class france : (1816/4593) -> accuracy: 39.5384%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 5

INFO:root: Best accuracy 50.2000% at epoch 5/20 (11295/22500)

DEV accuracy on epoch 5/20 in train step 337 = 51.8978%

Class turkey : (3005/4440) -> accuracy: 67.6802%

Class germany: (1962/4420) -> accuracy: 44.3891%

Class russia : (2688/4536) -> accuracy: 59.2593%

Class us : (2340/4511) -> accuracy: 51.8732%

Class france : (1682/4593) -> accuracy: 36.6209%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 5

INFO:root: Best accuracy 51.8978% at epoch 5/20 (11677/22500)

DEV accuracy on epoch 5/20 in train step 674 = 51.7289%

Class turkey : (2386/4440) -> accuracy: 53.7387%

Class germany: (2065/4420) -> accuracy: 46.7195%

Class russia : (2788/4536) -> accuracy: 61.4638%

Class us : (2680/4511) -> accuracy: 59.4103%

Class france : (1720/4593) -> accuracy: 37.4483%

###################################################################################################

Epoch: 6/20 ---- best so far on epoch 5: acc=51.8978%

DEV accuracy on epoch 6/20 in train step 0 = 51.8800%

Class turkey : (2610/4440) -> accuracy: 58.7838%

Class germany: (2028/4420) -> accuracy: 45.8824%

Class russia : (2544/4536) -> accuracy: 56.0847%

Class us : (2601/4511) -> accuracy: 57.6591%

Class france : (1890/4593) -> accuracy: 41.1496%

DEV accuracy on epoch 6/20 in train step 337 = 52.5778%

Class turkey : (3060/4440) -> accuracy: 68.9189%

Class germany: (1974/4420) -> accuracy: 44.6606%

Class russia : (2634/4536) -> accuracy: 58.0688%

Class us : (2112/4511) -> accuracy: 46.8189%

Class france : (2050/4593) -> accuracy: 44.6331%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 6

INFO:root: Best accuracy 52.5778% at epoch 6/20 (11830/22500)

DEV accuracy on epoch 6/20 in train step 674 = 52.7822%

Class turkey : (2604/4440) -> accuracy: 58.6486%

Class germany: (1954/4420) -> accuracy: 44.2081%

Class russia : (2873/4536) -> accuracy: 63.3377%

Class us : (2670/4511) -> accuracy: 59.1886%

Class france : (1775/4593) -> accuracy: 38.6458%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 6

INFO:root: Best accuracy 52.7822% at epoch 6/20 (11876/22500)

###################################################################################################

Epoch: 7/20 ---- best so far on epoch 6: acc=52.7822%

DEV accuracy on epoch 7/20 in train step 0 = 52.4667%

Class turkey : (2740/4440) -> accuracy: 61.7117%

Class germany: (1859/4420) -> accuracy: 42.0588%

Class russia : (2555/4536) -> accuracy: 56.3272%

Class us : (2798/4511) -> accuracy: 62.0262%

Class france : (1853/4593) -> accuracy: 40.3440%

DEV accuracy on epoch 7/20 in train step 337 = 53.4800%

Class turkey : (3063/4440) -> accuracy: 68.9865%

Class germany: (2065/4420) -> accuracy: 46.7195%

Class russia : (2653/4536) -> accuracy: 58.4877%

Class us : (2090/4511) -> accuracy: 46.3312%

Class france : (2162/4593) -> accuracy: 47.0716%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 7

INFO:root: Best accuracy 53.4800% at epoch 7/20 (12033/22500)

DEV accuracy on epoch 7/20 in train step 674 = 53.1867%

Class turkey : (2667/4440) -> accuracy: 60.0676%

Class germany: (2032/4420) -> accuracy: 45.9729%

Class russia : (2840/4536) -> accuracy: 62.6102%

Class us : (2734/4511) -> accuracy: 60.6074%

Class france : (1694/4593) -> accuracy: 36.8822%

###################################################################################################

Epoch: 8/20 ---- best so far on epoch 7: acc=53.4800%

DEV accuracy on epoch 8/20 in train step 0 = 53.0667%

Class turkey : (2757/4440) -> accuracy: 62.0946%

Class germany: (2014/4420) -> accuracy: 45.5656%

Class russia : (2702/4536) -> accuracy: 59.5679%

Class us : (2768/4511) -> accuracy: 61.3611%

Class france : (1699/4593) -> accuracy: 36.9911%

DEV accuracy on epoch 8/20 in train step 337 = 53.9422%

Class turkey : (2981/4440) -> accuracy: 67.1396%

Class germany: (2046/4420) -> accuracy: 46.2896%

Class russia : (2602/4536) -> accuracy: 57.3633%

Class us : (2280/4511) -> accuracy: 50.5431%

Class france : (2228/4593) -> accuracy: 48.5086%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 8

INFO:root: Best accuracy 53.9422% at epoch 8/20 (12137/22500)

DEV accuracy on epoch 8/20 in train step 674 = 53.8222%

Class turkey : (2597/4440) -> accuracy: 58.4910%

Class germany: (2039/4420) -> accuracy: 46.1312%

Class russia : (2908/4536) -> accuracy: 64.1093%

Class us : (2610/4511) -> accuracy: 57.8586%

Class france : (1956/4593) -> accuracy: 42.5865%

###################################################################################################

Epoch: 9/20 ---- best so far on epoch 8: acc=53.9422%

DEV accuracy on epoch 9/20 in train step 0 = 53.6400%

Class turkey : (2719/4440) -> accuracy: 61.2387%

Class germany: (2003/4420) -> accuracy: 45.3167%

Class russia : (2744/4536) -> accuracy: 60.4938%

Class us : (2622/4511) -> accuracy: 58.1246%

Class france : (1981/4593) -> accuracy: 43.1309%

DEV accuracy on epoch 9/20 in train step 337 = 54.1067%

Class turkey : (2900/4440) -> accuracy: 65.3153%

Class germany: (1932/4420) -> accuracy: 43.7104%

Class russia : (2638/4536) -> accuracy: 58.1570%

Class us : (2374/4511) -> accuracy: 52.6269%

Class france : (2330/4593) -> accuracy: 50.7294%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 9

INFO:root: Best accuracy 54.1067% at epoch 9/20 (12174/22500)

DEV accuracy on epoch 9/20 in train step 674 = 53.8089%

Class turkey : (2650/4440) -> accuracy: 59.6847%

Class germany: (2086/4420) -> accuracy: 47.1946%

Class russia : (2933/4536) -> accuracy: 64.6605%

Class us : (2689/4511) -> accuracy: 59.6098%

Class france : (1749/4593) -> accuracy: 38.0797%

###################################################################################################

Epoch: 10/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 10/20 in train step 0 = 53.5956%

Class turkey : (2775/4440) -> accuracy: 62.5000%

Class germany: (2111/4420) -> accuracy: 47.7602%

Class russia : (2723/4536) -> accuracy: 60.0309%

Class us : (2668/4511) -> accuracy: 59.1443%

Class france : (1782/4593) -> accuracy: 38.7982%

DEV accuracy on epoch 10/20 in train step 337 = 53.7600%

Class turkey : (2874/4440) -> accuracy: 64.7297%

Class germany: (1875/4420) -> accuracy: 42.4208%

Class russia : (2549/4536) -> accuracy: 56.1949%

Class us : (2527/4511) -> accuracy: 56.0186%

Class france : (2271/4593) -> accuracy: 49.4448%

DEV accuracy on epoch 10/20 in train step 674 = 53.5778%

Class turkey : (2591/4440) -> accuracy: 58.3559%

Class germany: (1931/4420) -> accuracy: 43.6878%

Class russia : (3040/4536) -> accuracy: 67.0194%

Class us : (2633/4511) -> accuracy: 58.3684%

Class france : (1860/4593) -> accuracy: 40.4964%

###################################################################################################

Epoch: 11/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 11/20 in train step 0 = 53.5244%

Class turkey : (2657/4440) -> accuracy: 59.8423%

Class germany: (2088/4420) -> accuracy: 47.2398%

Class russia : (2914/4536) -> accuracy: 64.2416%

Class us : (2514/4511) -> accuracy: 55.7304%

Class france : (1870/4593) -> accuracy: 40.7141%

DEV accuracy on epoch 11/20 in train step 337 = 53.2578%

Class turkey : (2707/4440) -> accuracy: 60.9685%

Class germany: (1811/4420) -> accuracy: 40.9729%

Class russia : (2551/4536) -> accuracy: 56.2390%

Class us : (2498/4511) -> accuracy: 55.3757%

Class france : (2416/4593) -> accuracy: 52.6018%

DEV accuracy on epoch 11/20 in train step 674 = 52.6178%

Class turkey : (2490/4440) -> accuracy: 56.0811%

Class germany: (1670/4420) -> accuracy: 37.7828%

Class russia : (3022/4536) -> accuracy: 66.6226%

Class us : (2799/4511) -> accuracy: 62.0483%

Class france : (1858/4593) -> accuracy: 40.4529%

###################################################################################################

Epoch: 12/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 12/20 in train step 0 = 52.7156%

Class turkey : (2475/4440) -> accuracy: 55.7432%

Class germany: (1756/4420) -> accuracy: 39.7285%

Class russia : (3025/4536) -> accuracy: 66.6887%

Class us : (2741/4511) -> accuracy: 60.7626%

Class france : (1864/4593) -> accuracy: 40.5835%

DEV accuracy on epoch 12/20 in train step 337 = 52.3244%

Class turkey : (2716/4440) -> accuracy: 61.1712%

Class germany: (1489/4420) -> accuracy: 33.6878%

Class russia : (2562/4536) -> accuracy: 56.4815%

Class us : (2843/4511) -> accuracy: 63.0237%

Class france : (2163/4593) -> accuracy: 47.0934%

DEV accuracy on epoch 12/20 in train step 674 = 52.4356%

Class turkey : (2767/4440) -> accuracy: 62.3198%

Class germany: (1742/4420) -> accuracy: 39.4118%

Class russia : (2759/4536) -> accuracy: 60.8245%

Class us : (2631/4511) -> accuracy: 58.3241%

Class france : (1899/4593) -> accuracy: 41.3455%

###################################################################################################

Epoch: 13/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 13/20 in train step 0 = 52.3467%

Class turkey : (2671/4440) -> accuracy: 60.1577%

Class germany: (1752/4420) -> accuracy: 39.6380%

Class russia : (2739/4536) -> accuracy: 60.3836%

Class us : (2684/4511) -> accuracy: 59.4990%

Class france : (1932/4593) -> accuracy: 42.0640%

DEV accuracy on epoch 13/20 in train step 337 = 51.6844%

Class turkey : (2877/4440) -> accuracy: 64.7973%

Class germany: (1380/4420) -> accuracy: 31.2217%

Class russia : (2725/4536) -> accuracy: 60.0750%

Class us : (2711/4511) -> accuracy: 60.0975%

Class france : (1936/4593) -> accuracy: 42.1511%

DEV accuracy on epoch 13/20 in train step 674 = 51.5733%

Class turkey : (2846/4440) -> accuracy: 64.0991%

Class germany: (1628/4420) -> accuracy: 36.8326%

Class russia : (2687/4536) -> accuracy: 59.2372%

Class us : (2688/4511) -> accuracy: 59.5877%

Class france : (1755/4593) -> accuracy: 38.2103%

###################################################################################################

Epoch: 14/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 14/20 in train step 0 = 51.7067%

Class turkey : (2824/4440) -> accuracy: 63.6036%

Class germany: (1685/4420) -> accuracy: 38.1222%

Class russia : (2625/4536) -> accuracy: 57.8704%

Class us : (2659/4511) -> accuracy: 58.9448%

Class france : (1841/4593) -> accuracy: 40.0827%

DEV accuracy on epoch 14/20 in train step 337 = 51.0311%

Class turkey : (2828/4440) -> accuracy: 63.6937%

Class germany: (1412/4420) -> accuracy: 31.9457%

Class russia : (2913/4536) -> accuracy: 64.2196%

Class us : (2659/4511) -> accuracy: 58.9448%

Class france : (1670/4593) -> accuracy: 36.3597%

DEV accuracy on epoch 14/20 in train step 674 = 50.7689%

Class turkey : (2783/4440) -> accuracy: 62.6802%

Class germany: (1568/4420) -> accuracy: 35.4751%

Class russia : (2685/4536) -> accuracy: 59.1931%

Class us : (2770/4511) -> accuracy: 61.4055%

Class france : (1617/4593) -> accuracy: 35.2057%

###################################################################################################

Epoch: 15/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 15/20 in train step 0 = 50.9200%

Class turkey : (2798/4440) -> accuracy: 63.0180%

Class germany: (1616/4420) -> accuracy: 36.5611%

Class russia : (2604/4536) -> accuracy: 57.4074%

Class us : (2710/4511) -> accuracy: 60.0754%

Class france : (1729/4593) -> accuracy: 37.6442%

DEV accuracy on epoch 15/20 in train step 337 = 50.5911%

Class turkey : (3045/4440) -> accuracy: 68.5811%

Class germany: (1521/4420) -> accuracy: 34.4118%

Class russia : (2756/4536) -> accuracy: 60.7584%

Class us : (2364/4511) -> accuracy: 52.4052%

Class france : (1697/4593) -> accuracy: 36.9475%

DEV accuracy on epoch 15/20 in train step 674 = 49.7378%

Class turkey : (2553/4440) -> accuracy: 57.5000%

Class germany: (1401/4420) -> accuracy: 31.6968%

Class russia : (2975/4536) -> accuracy: 65.5864%

Class us : (2654/4511) -> accuracy: 58.8340%

Class france : (1608/4593) -> accuracy: 35.0098%

###################################################################################################

Epoch: 16/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 16/20 in train step 0 = 49.6222%

Class turkey : (2598/4440) -> accuracy: 58.5135%

Class germany: (1381/4420) -> accuracy: 31.2443%

Class russia : (2818/4536) -> accuracy: 62.1252%

Class us : (2774/4511) -> accuracy: 61.4941%

Class france : (1594/4593) -> accuracy: 34.7050%

DEV accuracy on epoch 16/20 in train step 337 = 50.2800%

Class turkey : (3074/4440) -> accuracy: 69.2342%

Class germany: (1748/4420) -> accuracy: 39.5475%

Class russia : (2538/4536) -> accuracy: 55.9524%

Class us : (2090/4511) -> accuracy: 46.3312%

Class france : (1863/4593) -> accuracy: 40.5617%

DEV accuracy on epoch 16/20 in train step 674 = 49.7689%

Class turkey : (2591/4440) -> accuracy: 58.3559%

Class germany: (1573/4420) -> accuracy: 35.5882%

Class russia : (3017/4536) -> accuracy: 66.5123%

Class us : (2380/4511) -> accuracy: 52.7599%

Class france : (1637/4593) -> accuracy: 35.6412%

###################################################################################################

Epoch: 17/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 17/20 in train step 0 = 49.3333%

Class turkey : (2632/4440) -> accuracy: 59.2793%

Class germany: (1402/4420) -> accuracy: 31.7195%

Class russia : (2926/4536) -> accuracy: 64.5062%

Class us : (2593/4511) -> accuracy: 57.4817%

Class france : (1547/4593) -> accuracy: 33.6817%

DEV accuracy on epoch 17/20 in train step 337 = 48.9822%

Class turkey : (2950/4440) -> accuracy: 66.4414%

Class germany: (1944/4420) -> accuracy: 43.9819%

Class russia : (2074/4536) -> accuracy: 45.7231%

Class us : (2095/4511) -> accuracy: 46.4420%

Class france : (1958/4593) -> accuracy: 42.6301%

DEV accuracy on epoch 17/20 in train step 674 = 49.5956%

Class turkey : (2532/4440) -> accuracy: 57.0270%

Class germany: (1750/4420) -> accuracy: 39.5928%

Class russia : (2876/4536) -> accuracy: 63.4039%

Class us : (2070/4511) -> accuracy: 45.8878%

Class france : (1931/4593) -> accuracy: 42.0422%

###################################################################################################

Epoch: 18/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 18/20 in train step 0 = 49.6267%

Class turkey : (2637/4440) -> accuracy: 59.3919%

Class germany: (1616/4420) -> accuracy: 36.5611%

Class russia : (2937/4536) -> accuracy: 64.7487%

Class us : (2182/4511) -> accuracy: 48.3706%

Class france : (1794/4593) -> accuracy: 39.0594%

DEV accuracy on epoch 18/20 in train step 337 = 48.7200%

Class turkey : (2676/4440) -> accuracy: 60.2703%

Class germany: (1826/4420) -> accuracy: 41.3122%

Class russia : (2150/4536) -> accuracy: 47.3986%

Class us : (2277/4511) -> accuracy: 50.4766%

Class france : (2033/4593) -> accuracy: 44.2630%

DEV accuracy on epoch 18/20 in train step 674 = 49.1644%

Class turkey : (2307/4440) -> accuracy: 51.9595%

Class germany: (1887/4420) -> accuracy: 42.6923%

Class russia : (2841/4536) -> accuracy: 62.6323%

Class us : (2131/4511) -> accuracy: 47.2401%

Class france : (1896/4593) -> accuracy: 41.2802%

###################################################################################################

Epoch: 19/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 19/20 in train step 0 = 49.0756%

Class turkey : (2326/4440) -> accuracy: 52.3874%

Class germany: (1786/4420) -> accuracy: 40.4072%

Class russia : (2945/4536) -> accuracy: 64.9250%

Class us : (2211/4511) -> accuracy: 49.0135%

Class france : (1774/4593) -> accuracy: 38.6240%

DEV accuracy on epoch 19/20 in train step 337 = 48.5556%

Class turkey : (2443/4440) -> accuracy: 55.0225%

Class germany: (1734/4420) -> accuracy: 39.2308%

Class russia : (2224/4536) -> accuracy: 49.0300%

Class us : (2409/4511) -> accuracy: 53.4028%

Class france : (2115/4593) -> accuracy: 46.0483%

DEV accuracy on epoch 19/20 in train step 674 = 48.5778%

Class turkey : (2474/4440) -> accuracy: 55.7207%

Class germany: (1758/4420) -> accuracy: 39.7738%

Class russia : (2728/4536) -> accuracy: 60.1411%

Class us : (1788/4511) -> accuracy: 39.6364%

Class france : (2182/4593) -> accuracy: 47.5071%

###################################################################################################

Epoch: 20/20 ---- best so far on epoch 9: acc=54.1067%

DEV accuracy on epoch 20/20 in train step 0 = 48.6844%

Class turkey : (2451/4440) -> accuracy: 55.2027%

Class germany: (1761/4420) -> accuracy: 39.8416%

Class russia : (2839/4536) -> accuracy: 62.5882%

Class us : (1774/4511) -> accuracy: 39.3261%

Class france : (2129/4593) -> accuracy: 46.3531%

DEV accuracy on epoch 20/20 in train step 337 = 48.1467%

Class turkey : (2418/4440) -> accuracy: 54.4595%

Class germany: (1773/4420) -> accuracy: 40.1131%

Class russia : (2147/4536) -> accuracy: 47.3325%

Class us : (2564/4511) -> accuracy: 56.8388%

Class france : (1931/4593) -> accuracy: 42.0422%

DEV accuracy on epoch 20/20 in train step 674 = 49.3244%

Class turkey : (2614/4440) -> accuracy: 58.8739%

Class germany: (1679/4420) -> accuracy: 37.9864%

Class russia : (2458/4536) -> accuracy: 54.1887%

Class us : (2376/4511) -> accuracy: 52.6712%

Class france : (1971/4593) -> accuracy: 42.9131%

###################################################################################################

\*\*\*Training is complete. Best accuracy 54.1067% at epoch 9/20

\*\*\*Testing...

INFO:tensorflow:Restoring parameters from ../model\_temp/model.ckpt

INFO:tensorflow:Restoring parameters from ../model\_temp/model.ckpt

Accuracy on test set - (13380/24900) -> accuracy: 53.7349%

Class turkey : (3233/4953) -> accuracy: 65.2736%

Class germany: (2211/5018) -> accuracy: 44.0614%

Class russia : (2845/4997) -> accuracy: 56.9342%

Class us : (2560/4935) -> accuracy: 51.8744%

Class france : (2531/4997) -> accuracy: 50.6504%

End summary ----------------------

data:

DATA\_FILE\_PATH is ../input/5way\_tur\_ger\_rus\_fra\_usa25-150.txt

MINIMUM\_ROW\_LENGTH is 25

MAXIMUM\_ROW\_LENGTH is 150

COUNT\_WORD is 20

lines\_per\_class is 50000

number of classes is 5

Total data size is 250000

embedding:

EMB\_FILE\_PATH ../input/glove.6B.50d.txt

EMB\_DIM 50

EMB\_WORDS\_COUNT 400001

run config:

EPOCHS 20

BATCH\_SIZE 300

evaluating on dev data 3 times per epoch

KEEP\_PROB 0.5

BATCH\_SIZE 300

LSTM\_HIDDEN\_UNITS 300

LSTM\_CELL\_TYPE GRU

optimizer is adamOptimizer - learn rate:0.001

model:

USE\_TMP\_FOLDER True

mdl\_path ../model\_temp/model.ckpt

results:

best training acc 54.1066666667

testing acc 53.734939759

Time(HH:MM:SS): 02:43:50

Leaving function \_\_main\_\_