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: (200, 150)

input\_labels\_batch shape: (200, 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 = 19.7366%

Class turkey : (4421/4422) -> accuracy: 99.9774%

Class germany: (0/4405) -> accuracy: 0.0000%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (0/4495) -> accuracy: 0.0000%

Class france : (0/4572) -> accuracy: 0.0000%

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

INFO:root: Best accuracy 19.7366% at epoch 1/20 (4421/22400)

DEV accuracy on epoch 1/20 in train step 506 = 20.0670%

Class turkey : (0/4422) -> accuracy: 0.0000%

Class germany: (0/4405) -> accuracy: 0.0000%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (4495/4495) -> accuracy: 100.0000%

Class france : (0/4572) -> accuracy: 0.0000%

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

INFO:root: Best accuracy 20.0670% at epoch 1/20 (4495/22400)

DEV accuracy on epoch 1/20 in train step 1011 = 20.0670%

Class turkey : (0/4422) -> accuracy: 0.0000%

Class germany: (0/4405) -> accuracy: 0.0000%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (4495/4495) -> accuracy: 100.0000%

Class france : (0/4572) -> accuracy: 0.0000%

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Epoch: 2/20 ---- best so far on epoch 1: acc=20.0670%

DEV accuracy on epoch 2/20 in train step 0 = 20.0714%

Class turkey : (0/4422) -> accuracy: 0.0000%

Class germany: (1/4405) -> accuracy: 0.0227%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (4495/4495) -> accuracy: 100.0000%

Class france : (0/4572) -> accuracy: 0.0000%

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

INFO:root: Best accuracy 20.0714% at epoch 2/20 (4496/22400)

DEV accuracy on epoch 2/20 in train step 506 = 29.1205%

Class turkey : (0/4422) -> accuracy: 0.0000%

Class germany: (3966/4405) -> accuracy: 90.0341%

Class russia : (2557/4506) -> accuracy: 56.7466%

Class us : (0/4495) -> accuracy: 0.0000%

Class france : (0/4572) -> accuracy: 0.0000%

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

INFO:root: Best accuracy 29.1205% at epoch 2/20 (6523/22400)

DEV accuracy on epoch 2/20 in train step 1011 = 45.1830%

Class turkey : (2076/4422) -> accuracy: 46.9471%

Class germany: (1185/4405) -> accuracy: 26.9012%

Class russia : (2312/4506) -> accuracy: 51.3094%

Class us : (2788/4495) -> accuracy: 62.0245%

Class france : (1760/4572) -> accuracy: 38.4952%

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

INFO:root: Best accuracy 45.1830% at epoch 2/20 (10121/22400)

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Epoch: 3/20 ---- best so far on epoch 2: acc=45.1830%

DEV accuracy on epoch 3/20 in train step 0 = 45.5446%

Class turkey : (2743/4422) -> accuracy: 62.0308%

Class germany: (1345/4405) -> accuracy: 30.5335%

Class russia : (1848/4506) -> accuracy: 41.0120%

Class us : (2392/4495) -> accuracy: 53.2147%

Class france : (1874/4572) -> accuracy: 40.9886%

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

INFO:root: Best accuracy 45.5446% at epoch 3/20 (10202/22400)

DEV accuracy on epoch 3/20 in train step 506 = 48.9375%

Class turkey : (2116/4422) -> accuracy: 47.8517%

Class germany: (1446/4405) -> accuracy: 32.8263%

Class russia : (2941/4506) -> accuracy: 65.2685%

Class us : (2891/4495) -> accuracy: 64.3159%

Class france : (1568/4572) -> accuracy: 34.2957%

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

INFO:root: Best accuracy 48.9375% at epoch 3/20 (10962/22400)

DEV accuracy on epoch 3/20 in train step 1011 = 50.3482%

Class turkey : (2243/4422) -> accuracy: 50.7237%

Class germany: (1504/4405) -> accuracy: 34.1430%

Class russia : (2687/4506) -> accuracy: 59.6316%

Class us : (2892/4495) -> accuracy: 64.3382%

Class france : (1952/4572) -> accuracy: 42.6947%

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

INFO:root: Best accuracy 50.3482% at epoch 3/20 (11278/22400)

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Epoch: 4/20 ---- best so far on epoch 3: acc=50.3482%

DEV accuracy on epoch 4/20 in train step 0 = 50.8795%

Class turkey : (2464/4422) -> accuracy: 55.7214%

Class germany: (1510/4405) -> accuracy: 34.2792%

Class russia : (2639/4506) -> accuracy: 58.5664%

Class us : (2501/4495) -> accuracy: 55.6396%

Class france : (2283/4572) -> accuracy: 49.9344%

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

INFO:root: Best accuracy 50.8795% at epoch 4/20 (11397/22400)

DEV accuracy on epoch 4/20 in train step 506 = 52.0268%

Class turkey : (2975/4422) -> accuracy: 67.2773%

Class germany: (1676/4405) -> accuracy: 38.0477%

Class russia : (2835/4506) -> accuracy: 62.9161%

Class us : (2416/4495) -> accuracy: 53.7486%

Class france : (1752/4572) -> accuracy: 38.3202%

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

INFO:root: Best accuracy 52.0268% at epoch 4/20 (11654/22400)

DEV accuracy on epoch 4/20 in train step 1011 = 52.1205%

Class turkey : (2462/4422) -> accuracy: 55.6762%

Class germany: (2009/4405) -> accuracy: 45.6073%

Class russia : (2668/4506) -> accuracy: 59.2099%

Class us : (2755/4495) -> accuracy: 61.2903%

Class france : (1781/4572) -> accuracy: 38.9545%

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

INFO:root: Best accuracy 52.1205% at epoch 4/20 (11675/22400)

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Epoch: 5/20 ---- best so far on epoch 4: acc=52.1205%

DEV accuracy on epoch 5/20 in train step 0 = 52.5357%

Class turkey : (2722/4422) -> accuracy: 61.5559%

Class germany: (2136/4405) -> accuracy: 48.4904%

Class russia : (2516/4506) -> accuracy: 55.8367%

Class us : (2480/4495) -> accuracy: 55.1724%

Class france : (1914/4572) -> accuracy: 41.8635%

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

INFO:root: Best accuracy 52.5357% at epoch 5/20 (11768/22400)

DEV accuracy on epoch 5/20 in train step 506 = 53.2143%

Class turkey : (2947/4422) -> accuracy: 66.6441%

Class germany: (2000/4405) -> accuracy: 45.4030%

Class russia : (2935/4506) -> accuracy: 65.1354%

Class us : (2226/4495) -> accuracy: 49.5217%

Class france : (1812/4572) -> accuracy: 39.6325%

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

INFO:root: Best accuracy 53.2143% at epoch 5/20 (11920/22400)

DEV accuracy on epoch 5/20 in train step 1011 = 52.5134%

Class turkey : (2409/4422) -> accuracy: 54.4776%

Class germany: (1597/4405) -> accuracy: 36.2543%

Class russia : (2804/4506) -> accuracy: 62.2281%

Class us : (2890/4495) -> accuracy: 64.2937%

Class france : (2063/4572) -> accuracy: 45.1225%

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Epoch: 6/20 ---- best so far on epoch 5: acc=53.2143%

DEV accuracy on epoch 6/20 in train step 0 = 52.8125%

Class turkey : (2563/4422) -> accuracy: 57.9602%

Class germany: (1648/4405) -> accuracy: 37.4120%

Class russia : (2725/4506) -> accuracy: 60.4749%

Class us : (2622/4495) -> accuracy: 58.3315%

Class france : (2272/4572) -> accuracy: 49.6938%

DEV accuracy on epoch 6/20 in train step 506 = 53.6339%

Class turkey : (3158/4422) -> accuracy: 71.4156%

Class germany: (2002/4405) -> accuracy: 45.4484%

Class russia : (2787/4506) -> accuracy: 61.8509%

Class us : (2247/4495) -> accuracy: 49.9889%

Class france : (1820/4572) -> accuracy: 39.8075%

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

INFO:root: Best accuracy 53.6339% at epoch 6/20 (12014/22400)

DEV accuracy on epoch 6/20 in train step 1011 = 53.5536%

Class turkey : (2563/4422) -> accuracy: 57.9602%

Class germany: (2036/4405) -> accuracy: 46.2202%

Class russia : (2913/4506) -> accuracy: 64.6471%

Class us : (2697/4495) -> accuracy: 60.0000%

Class france : (1787/4572) -> accuracy: 39.0857%

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Epoch: 7/20 ---- best so far on epoch 6: acc=53.6339%

DEV accuracy on epoch 7/20 in train step 0 = 53.5045%

Class turkey : (2614/4422) -> accuracy: 59.1135%

Class germany: (1992/4405) -> accuracy: 45.2213%

Class russia : (2801/4506) -> accuracy: 62.1616%

Class us : (2686/4495) -> accuracy: 59.7553%

Class france : (1892/4572) -> accuracy: 41.3823%

DEV accuracy on epoch 7/20 in train step 506 = 54.2902%

Class turkey : (2969/4422) -> accuracy: 67.1416%

Class germany: (2027/4405) -> accuracy: 46.0159%

Class russia : (2837/4506) -> accuracy: 62.9605%

Class us : (2378/4495) -> accuracy: 52.9032%

Class france : (1950/4572) -> accuracy: 42.6509%

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

INFO:root: Best accuracy 54.2902% at epoch 7/20 (12161/22400)

DEV accuracy on epoch 7/20 in train step 1011 = 54.0536%

Class turkey : (2615/4422) -> accuracy: 59.1361%

Class germany: (2070/4405) -> accuracy: 46.9921%

Class russia : (2877/4506) -> accuracy: 63.8482%

Class us : (2724/4495) -> accuracy: 60.6007%

Class france : (1822/4572) -> accuracy: 39.8513%

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Epoch: 8/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 8/20 in train step 0 = 53.9554%

Class turkey : (2669/4422) -> accuracy: 60.3573%

Class germany: (2017/4405) -> accuracy: 45.7889%

Class russia : (2811/4506) -> accuracy: 62.3835%

Class us : (2721/4495) -> accuracy: 60.5339%

Class france : (1868/4572) -> accuracy: 40.8574%

DEV accuracy on epoch 8/20 in train step 506 = 54.2277%

Class turkey : (2964/4422) -> accuracy: 67.0285%

Class germany: (1998/4405) -> accuracy: 45.3575%

Class russia : (2766/4506) -> accuracy: 61.3848%

Class us : (2397/4495) -> accuracy: 53.3259%

Class france : (2022/4572) -> accuracy: 44.2257%

DEV accuracy on epoch 8/20 in train step 1011 = 53.1696%

Class turkey : (2580/4422) -> accuracy: 58.3446%

Class germany: (2065/4405) -> accuracy: 46.8785%

Class russia : (2848/4506) -> accuracy: 63.2046%

Class us : (2864/4495) -> accuracy: 63.7152%

Class france : (1553/4572) -> accuracy: 33.9676%

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Epoch: 9/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 9/20 in train step 0 = 53.2054%

Class turkey : (2620/4422) -> accuracy: 59.2492%

Class germany: (2065/4405) -> accuracy: 46.8785%

Class russia : (2780/4506) -> accuracy: 61.6955%

Class us : (2863/4495) -> accuracy: 63.6930%

Class france : (1590/4572) -> accuracy: 34.7769%

DEV accuracy on epoch 9/20 in train step 506 = 53.8929%

Class turkey : (2861/4422) -> accuracy: 64.6992%

Class germany: (2077/4405) -> accuracy: 47.1510%

Class russia : (2635/4506) -> accuracy: 58.4776%

Class us : (2418/4495) -> accuracy: 53.7931%

Class france : (2081/4572) -> accuracy: 45.5162%

DEV accuracy on epoch 9/20 in train step 1011 = 53.0000%

Class turkey : (2641/4422) -> accuracy: 59.7241%

Class germany: (2137/4405) -> accuracy: 48.5131%

Class russia : (2663/4506) -> accuracy: 59.0990%

Class us : (2728/4495) -> accuracy: 60.6897%

Class france : (1703/4572) -> accuracy: 37.2485%

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Epoch: 10/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 10/20 in train step 0 = 52.8214%

Class turkey : (2609/4422) -> accuracy: 59.0005%

Class germany: (2119/4405) -> accuracy: 48.1044%

Class russia : (2631/4506) -> accuracy: 58.3888%

Class us : (2807/4495) -> accuracy: 62.4472%

Class france : (1666/4572) -> accuracy: 36.4392%

DEV accuracy on epoch 10/20 in train step 506 = 52.8438%

Class turkey : (2766/4422) -> accuracy: 62.5509%

Class germany: (2106/4405) -> accuracy: 47.8093%

Class russia : (2461/4506) -> accuracy: 54.6161%

Class us : (2342/4495) -> accuracy: 52.1023%

Class france : (2162/4572) -> accuracy: 47.2878%

DEV accuracy on epoch 10/20 in train step 1011 = 52.4955%

Class turkey : (2661/4422) -> accuracy: 60.1764%

Class germany: (2072/4405) -> accuracy: 47.0375%

Class russia : (2627/4506) -> accuracy: 58.3000%

Class us : (2648/4495) -> accuracy: 58.9099%

Class france : (1751/4572) -> accuracy: 38.2983%

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Epoch: 11/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 11/20 in train step 0 = 51.9330%

Class turkey : (2606/4422) -> accuracy: 58.9326%

Class germany: (2022/4405) -> accuracy: 45.9024%

Class russia : (2531/4506) -> accuracy: 56.1696%

Class us : (2839/4495) -> accuracy: 63.1591%

Class france : (1635/4572) -> accuracy: 35.7612%

DEV accuracy on epoch 11/20 in train step 506 = 51.3973%

Class turkey : (2864/4422) -> accuracy: 64.7671%

Class germany: (1938/4405) -> accuracy: 43.9955%

Class russia : (2193/4506) -> accuracy: 48.6684%

Class us : (2399/4495) -> accuracy: 53.3704%

Class france : (2119/4572) -> accuracy: 46.3473%

DEV accuracy on epoch 11/20 in train step 1011 = 51.7232%

Class turkey : (2683/4422) -> accuracy: 60.6739%

Class germany: (2039/4405) -> accuracy: 46.2883%

Class russia : (2574/4506) -> accuracy: 57.1238%

Class us : (2445/4495) -> accuracy: 54.3938%

Class france : (1845/4572) -> accuracy: 40.3543%

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Epoch: 12/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 12/20 in train step 0 = 51.5000%

Class turkey : (2645/4422) -> accuracy: 59.8146%

Class germany: (2043/4405) -> accuracy: 46.3791%

Class russia : (2480/4506) -> accuracy: 55.0377%

Class us : (2628/4495) -> accuracy: 58.4650%

Class france : (1740/4572) -> accuracy: 38.0577%

DEV accuracy on epoch 12/20 in train step 506 = 51.0848%

Class turkey : (2704/4422) -> accuracy: 61.1488%

Class germany: (1643/4405) -> accuracy: 37.2985%

Class russia : (2422/4506) -> accuracy: 53.7506%

Class us : (2410/4495) -> accuracy: 53.6151%

Class france : (2264/4572) -> accuracy: 49.5188%

DEV accuracy on epoch 12/20 in train step 1011 = 51.6116%

Class turkey : (2677/4422) -> accuracy: 60.5382%

Class germany: (1957/4405) -> accuracy: 44.4268%

Class russia : (2679/4506) -> accuracy: 59.4541%

Class us : (2316/4495) -> accuracy: 51.5239%

Class france : (1932/4572) -> accuracy: 42.2572%

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Epoch: 13/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 13/20 in train step 0 = 51.4420%

Class turkey : (2625/4422) -> accuracy: 59.3623%

Class germany: (1965/4405) -> accuracy: 44.6084%

Class russia : (2609/4506) -> accuracy: 57.9006%

Class us : (2509/4495) -> accuracy: 55.8176%

Class france : (1815/4572) -> accuracy: 39.6982%

DEV accuracy on epoch 13/20 in train step 506 = 50.4241%

Class turkey : (2727/4422) -> accuracy: 61.6689%

Class germany: (1641/4405) -> accuracy: 37.2531%

Class russia : (2573/4506) -> accuracy: 57.1016%

Class us : (2254/4495) -> accuracy: 50.1446%

Class france : (2100/4572) -> accuracy: 45.9318%

DEV accuracy on epoch 13/20 in train step 1011 = 51.3571%

Class turkey : (2753/4422) -> accuracy: 62.2569%

Class germany: (1845/4405) -> accuracy: 41.8842%

Class russia : (2742/4506) -> accuracy: 60.8522%

Class us : (2214/4495) -> accuracy: 49.2547%

Class france : (1950/4572) -> accuracy: 42.6509%

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Epoch: 14/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 14/20 in train step 0 = 51.3438%

Class turkey : (2693/4422) -> accuracy: 60.9000%

Class germany: (1897/4405) -> accuracy: 43.0647%

Class russia : (2681/4506) -> accuracy: 59.4984%

Class us : (2313/4495) -> accuracy: 51.4572%

Class france : (1917/4572) -> accuracy: 41.9291%

DEV accuracy on epoch 14/20 in train step 506 = 50.3259%

Class turkey : (2826/4422) -> accuracy: 63.9077%

Class germany: (1674/4405) -> accuracy: 38.0023%

Class russia : (2703/4506) -> accuracy: 59.9867%

Class us : (1959/4495) -> accuracy: 43.5818%

Class france : (2111/4572) -> accuracy: 46.1724%

DEV accuracy on epoch 14/20 in train step 1011 = 50.7500%

Class turkey : (2806/4422) -> accuracy: 63.4555%

Class germany: (1749/4405) -> accuracy: 39.7049%

Class russia : (2690/4506) -> accuracy: 59.6982%

Class us : (2239/4495) -> accuracy: 49.8109%

Class france : (1884/4572) -> accuracy: 41.2073%

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Epoch: 15/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 15/20 in train step 0 = 50.7054%

Class turkey : (2758/4422) -> accuracy: 62.3700%

Class germany: (1764/4405) -> accuracy: 40.0454%

Class russia : (2684/4506) -> accuracy: 59.5650%

Class us : (2291/4495) -> accuracy: 50.9677%

Class france : (1861/4572) -> accuracy: 40.7043%

DEV accuracy on epoch 15/20 in train step 506 = 49.4420%

Class turkey : (2853/4422) -> accuracy: 64.5183%

Class germany: (1915/4405) -> accuracy: 43.4733%

Class russia : (2674/4506) -> accuracy: 59.3431%

Class us : (1920/4495) -> accuracy: 42.7141%

Class france : (1713/4572) -> accuracy: 37.4672%

DEV accuracy on epoch 15/20 in train step 1011 = 50.4196%

Class turkey : (2786/4422) -> accuracy: 63.0032%

Class germany: (1806/4405) -> accuracy: 40.9989%

Class russia : (2621/4506) -> accuracy: 58.1669%

Class us : (2250/4495) -> accuracy: 50.0556%

Class france : (1831/4572) -> accuracy: 40.0481%

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Epoch: 16/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 16/20 in train step 0 = 50.3661%

Class turkey : (2702/4422) -> accuracy: 61.1036%

Class germany: (1786/4405) -> accuracy: 40.5448%

Class russia : (2571/4506) -> accuracy: 57.0573%

Class us : (2374/4495) -> accuracy: 52.8142%

Class france : (1849/4572) -> accuracy: 40.4418%

DEV accuracy on epoch 16/20 in train step 1011 = 50.3795%

Class turkey : (2711/4422) -> accuracy: 61.3071%

Class germany: (1844/4405) -> accuracy: 41.8615%

Class russia : (2708/4506) -> accuracy: 60.0976%

Class us : (2074/4495) -> accuracy: 46.1402%

Class france : (1948/4572) -> accuracy: 42.6072%

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Epoch: 17/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 17/20 in train step 0 = 50.4018%

Class turkey : (2680/4422) -> accuracy: 60.6061%

Class germany: (1829/4405) -> accuracy: 41.5210%

Class russia : (2695/4506) -> accuracy: 59.8091%

Class us : (2187/4495) -> accuracy: 48.6541%

Class france : (1899/4572) -> accuracy: 41.5354%

DEV accuracy on epoch 17/20 in train step 506 = 48.9464%

Class turkey : (2797/4422) -> accuracy: 63.2519%

Class germany: (1928/4405) -> accuracy: 43.7684%

Class russia : (2371/4506) -> accuracy: 52.6187%

Class us : (1922/4495) -> accuracy: 42.7586%

Class france : (1946/4572) -> accuracy: 42.5634%

DEV accuracy on epoch 17/20 in train step 1011 = 49.6384%

Class turkey : (2835/4422) -> accuracy: 64.1113%

Class germany: (1704/4405) -> accuracy: 38.6833%

Class russia : (2605/4506) -> accuracy: 57.8118%

Class us : (2185/4495) -> accuracy: 48.6096%

Class france : (1790/4572) -> accuracy: 39.1514%

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Epoch: 18/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 18/20 in train step 0 = 49.7277%

Class turkey : (2821/4422) -> accuracy: 63.7947%

Class germany: (1701/4405) -> accuracy: 38.6152%

Class russia : (2595/4506) -> accuracy: 57.5899%

Class us : (2249/4495) -> accuracy: 50.0334%

Class france : (1773/4572) -> accuracy: 38.7795%

DEV accuracy on epoch 18/20 in train step 506 = 48.9420%

Class turkey : (2646/4422) -> accuracy: 59.8372%

Class germany: (1815/4405) -> accuracy: 41.2032%

Class russia : (2474/4506) -> accuracy: 54.9046%

Class us : (1958/4495) -> accuracy: 43.5595%

Class france : (2070/4572) -> accuracy: 45.2756%

DEV accuracy on epoch 18/20 in train step 1011 = 49.7589%

Class turkey : (2728/4422) -> accuracy: 61.6915%

Class germany: (1854/4405) -> accuracy: 42.0885%

Class russia : (2701/4506) -> accuracy: 59.9423%

Class us : (2094/4495) -> accuracy: 46.5851%

Class france : (1769/4572) -> accuracy: 38.6920%

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Epoch: 19/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 19/20 in train step 0 = 49.7723%

Class turkey : (2719/4422) -> accuracy: 61.4880%

Class germany: (1855/4405) -> accuracy: 42.1112%

Class russia : (2678/4506) -> accuracy: 59.4319%

Class us : (2163/4495) -> accuracy: 48.1201%

Class france : (1734/4572) -> accuracy: 37.9265%

DEV accuracy on epoch 19/20 in train step 506 = 48.6875%

Class turkey : (2597/4422) -> accuracy: 58.7291%

Class germany: (1854/4405) -> accuracy: 42.0885%

Class russia : (2315/4506) -> accuracy: 51.3759%

Class us : (2163/4495) -> accuracy: 48.1201%

Class france : (1977/4572) -> accuracy: 43.2415%

DEV accuracy on epoch 19/20 in train step 1011 = 49.3170%

Class turkey : (2669/4422) -> accuracy: 60.3573%

Class germany: (1729/4405) -> accuracy: 39.2509%

Class russia : (2660/4506) -> accuracy: 59.0324%

Class us : (2092/4495) -> accuracy: 46.5406%

Class france : (1897/4572) -> accuracy: 41.4917%

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

Epoch: 20/20 ---- best so far on epoch 7: acc=54.2902%

DEV accuracy on epoch 20/20 in train step 0 = 49.3482%

Class turkey : (2631/4422) -> accuracy: 59.4980%

Class germany: (1717/4405) -> accuracy: 38.9784%

Class russia : (2700/4506) -> accuracy: 59.9201%

Class us : (2198/4495) -> accuracy: 48.8988%

Class france : (1808/4572) -> accuracy: 39.5451%

DEV accuracy on epoch 20/20 in train step 506 = 48.7009%

Class turkey : (2648/4422) -> accuracy: 59.8824%

Class germany: (2041/4405) -> accuracy: 46.3337%

Class russia : (2281/4506) -> accuracy: 50.6214%

Class us : (2002/4495) -> accuracy: 44.5384%

Class france : (1937/4572) -> accuracy: 42.3666%

DEV accuracy on epoch 20/20 in train step 1011 = 49.3080%

Class turkey : (2728/4422) -> accuracy: 61.6915%

Class germany: (1677/4405) -> accuracy: 38.0704%

Class russia : (2492/4506) -> accuracy: 55.3040%

Class us : (2217/4495) -> accuracy: 49.3215%

Class france : (1931/4572) -> accuracy: 42.2353%

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

\*\*\*Training is complete. Best accuracy 54.2902% at epoch 7/20

\*\*\*Testing...

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

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

Accuracy on test set - (13538/25000) -> accuracy: 54.1520%

Class turkey : (3319/4971) -> accuracy: 66.7673%

Class germany: (2315/5035) -> accuracy: 45.9782%

Class russia : (3143/5020) -> accuracy: 62.6096%

Class us : (2624/4954) -> accuracy: 52.9673%

Class france : (2137/5020) -> accuracy: 42.5697%

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 200

evaluating on dev data 3 times per epoch

KEEP\_PROB 0.5

BATCH\_SIZE 200

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 54.2901785714

testing acc 54.152

Time(HH:MM:SS): 03:30:42

Leaving function \_\_main\_\_