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: (100, 150)

input\_labels\_batch shape: (100, 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 = 19.6400%

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

Class germany: (4419/4420) -> accuracy: 99.9774%

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

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

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

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

INFO:root: Best accuracy 19.6400% at epoch 1/20 (4419/22500)

DEV accuracy on epoch 1/20 in train step 1012 = 20.3956%

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

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

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 1

INFO:root: Best accuracy 20.3956% at epoch 1/20 (4589/22500)

DEV accuracy on epoch 1/20 in train step 2024 = 19.6311%

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

Class germany: (4417/4420) -> accuracy: 99.9321%

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

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

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

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Epoch: 2/20 ---- best so far on epoch 1: acc=20.3956%

DEV accuracy on epoch 2/20 in train step 0 = 19.6311%

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

Class germany: (4417/4420) -> accuracy: 99.9321%

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

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

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

DEV accuracy on epoch 2/20 in train step 1012 = 46.6267%

Class turkey : (2778/4440) -> accuracy: 62.5676%

Class germany: (2075/4420) -> accuracy: 46.9457%

Class russia : (2305/4536) -> accuracy: 50.8157%

Class us : (1450/4511) -> accuracy: 32.1436%

Class france : (1883/4593) -> accuracy: 40.9972%

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

INFO:root: Best accuracy 46.6267% at epoch 2/20 (10491/22500)

DEV accuracy on epoch 2/20 in train step 2024 = 50.2267%

Class turkey : (2699/4440) -> accuracy: 60.7883%

Class germany: (2288/4420) -> accuracy: 51.7647%

Class russia : (2570/4536) -> accuracy: 56.6578%

Class us : (1797/4511) -> accuracy: 39.8360%

Class france : (1947/4593) -> accuracy: 42.3906%

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

INFO:root: Best accuracy 50.2267% at epoch 2/20 (11301/22500)

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Epoch: 3/20 ---- best so far on epoch 2: acc=50.2267%

DEV accuracy on epoch 3/20 in train step 0 = 50.2444%

Class turkey : (2855/4440) -> accuracy: 64.3018%

Class germany: (2376/4420) -> accuracy: 53.7557%

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

Class us : (1696/4511) -> accuracy: 37.5970%

Class france : (1744/4593) -> accuracy: 37.9708%

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

INFO:root: Best accuracy 50.2444% at epoch 3/20 (11305/22500)

DEV accuracy on epoch 3/20 in train step 1012 = 51.2444%

Class turkey : (2467/4440) -> accuracy: 55.5631%

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

Class russia : (2470/4536) -> accuracy: 54.4533%

Class us : (2454/4511) -> accuracy: 54.4004%

Class france : (2313/4593) -> accuracy: 50.3592%

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

INFO:root: Best accuracy 51.2444% at epoch 3/20 (11530/22500)

DEV accuracy on epoch 3/20 in train step 2024 = 52.4489%

Class turkey : (2760/4440) -> accuracy: 62.1622%

Class germany: (2005/4420) -> accuracy: 45.3620%

Class russia : (2674/4536) -> accuracy: 58.9506%

Class us : (2148/4511) -> accuracy: 47.6169%

Class france : (2214/4593) -> accuracy: 48.2038%

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

INFO:root: Best accuracy 52.4489% at epoch 3/20 (11801/22500)

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Epoch: 4/20 ---- best so far on epoch 3: acc=52.4489%

DEV accuracy on epoch 4/20 in train step 0 = 52.3422%

Class turkey : (2891/4440) -> accuracy: 65.1126%

Class germany: (2285/4420) -> accuracy: 51.6968%

Class russia : (2528/4536) -> accuracy: 55.7319%

Class us : (2001/4511) -> accuracy: 44.3582%

Class france : (2072/4593) -> accuracy: 45.1121%

DEV accuracy on epoch 4/20 in train step 1012 = 52.9556%

Class turkey : (2584/4440) -> accuracy: 58.1982%

Class germany: (1937/4420) -> accuracy: 43.8235%

Class russia : (2654/4536) -> accuracy: 58.5097%

Class us : (2653/4511) -> accuracy: 58.8118%

Class france : (2087/4593) -> accuracy: 45.4387%

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

INFO:root: Best accuracy 52.9556% at epoch 4/20 (11915/22500)

DEV accuracy on epoch 4/20 in train step 2024 = 53.5333%

Class turkey : (2849/4440) -> accuracy: 64.1667%

Class germany: (1841/4420) -> accuracy: 41.6516%

Class russia : (2921/4536) -> accuracy: 64.3959%

Class us : (2204/4511) -> accuracy: 48.8583%

Class france : (2230/4593) -> accuracy: 48.5521%

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

INFO:root: Best accuracy 53.5333% at epoch 4/20 (12045/22500)

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Epoch: 5/20 ---- best so far on epoch 4: acc=53.5333%

DEV accuracy on epoch 5/20 in train step 0 = 53.6933%

Class turkey : (2961/4440) -> accuracy: 66.6892%

Class germany: (2023/4420) -> accuracy: 45.7692%

Class russia : (2789/4536) -> accuracy: 61.4859%

Class us : (2179/4511) -> accuracy: 48.3041%

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

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

INFO:root: Best accuracy 53.6933% at epoch 5/20 (12081/22500)

DEV accuracy on epoch 5/20 in train step 1012 = 54.1378%

Class turkey : (2685/4440) -> accuracy: 60.4730%

Class germany: (1989/4420) -> accuracy: 45.0000%

Class russia : (2953/4536) -> accuracy: 65.1014%

Class us : (2481/4511) -> accuracy: 54.9989%

Class france : (2073/4593) -> accuracy: 45.1339%

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

INFO:root: Best accuracy 54.1378% at epoch 5/20 (12181/22500)

DEV accuracy on epoch 5/20 in train step 2024 = 53.5778%

Class turkey : (2814/4440) -> accuracy: 63.3784%

Class germany: (1804/4420) -> accuracy: 40.8145%

Class russia : (2834/4536) -> accuracy: 62.4780%

Class us : (2312/4511) -> accuracy: 51.2525%

Class france : (2291/4593) -> accuracy: 49.8803%

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Epoch: 6/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 6/20 in train step 0 = 53.6711%

Class turkey : (2894/4440) -> accuracy: 65.1802%

Class germany: (1899/4420) -> accuracy: 42.9638%

Class russia : (2778/4536) -> accuracy: 61.2434%

Class us : (2273/4511) -> accuracy: 50.3879%

Class france : (2232/4593) -> accuracy: 48.5957%

DEV accuracy on epoch 6/20 in train step 1012 = 54.1200%

Class turkey : (2866/4440) -> accuracy: 64.5495%

Class germany: (1864/4420) -> accuracy: 42.1719%

Class russia : (3023/4536) -> accuracy: 66.6446%

Class us : (2452/4511) -> accuracy: 54.3560%

Class france : (1972/4593) -> accuracy: 42.9349%

DEV accuracy on epoch 6/20 in train step 2024 = 52.9822%

Class turkey : (2751/4440) -> accuracy: 61.9595%

Class germany: (1760/4420) -> accuracy: 39.8190%

Class russia : (2773/4536) -> accuracy: 61.1332%

Class us : (2351/4511) -> accuracy: 52.1170%

Class france : (2286/4593) -> accuracy: 49.7714%

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Epoch: 7/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 7/20 in train step 0 = 53.1600%

Class turkey : (2812/4440) -> accuracy: 63.3333%

Class germany: (1833/4420) -> accuracy: 41.4706%

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

Class us : (2279/4511) -> accuracy: 50.5209%

Class france : (2247/4593) -> accuracy: 48.9223%

DEV accuracy on epoch 7/20 in train step 1012 = 53.2044%

Class turkey : (2964/4440) -> accuracy: 66.7568%

Class germany: (1853/4420) -> accuracy: 41.9231%

Class russia : (3078/4536) -> accuracy: 67.8571%

Class us : (2144/4511) -> accuracy: 47.5283%

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

DEV accuracy on epoch 7/20 in train step 2024 = 52.1333%

Class turkey : (2600/4440) -> accuracy: 58.5586%

Class germany: (1896/4420) -> accuracy: 42.8959%

Class russia : (2540/4536) -> accuracy: 55.9965%

Class us : (2611/4511) -> accuracy: 57.8807%

Class france : (2083/4593) -> accuracy: 45.3516%

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Epoch: 8/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 8/20 in train step 0 = 52.3600%

Class turkey : (2643/4440) -> accuracy: 59.5270%

Class germany: (1953/4420) -> accuracy: 44.1855%

Class russia : (2585/4536) -> accuracy: 56.9885%

Class us : (2473/4511) -> accuracy: 54.8215%

Class france : (2127/4593) -> accuracy: 46.3096%

DEV accuracy on epoch 8/20 in train step 1012 = 52.0756%

Class turkey : (2965/4440) -> accuracy: 66.7793%

Class germany: (1809/4420) -> accuracy: 40.9276%

Class russia : (2965/4536) -> accuracy: 65.3660%

Class us : (2152/4511) -> accuracy: 47.7056%

Class france : (1826/4593) -> accuracy: 39.7562%

DEV accuracy on epoch 8/20 in train step 2024 = 50.9333%

Class turkey : (2527/4440) -> accuracy: 56.9144%

Class germany: (1902/4420) -> accuracy: 43.0317%

Class russia : (2365/4536) -> accuracy: 52.1384%

Class us : (2735/4511) -> accuracy: 60.6296%

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

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Epoch: 9/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 9/20 in train step 0 = 51.0800%

Class turkey : (2545/4440) -> accuracy: 57.3198%

Class germany: (1980/4420) -> accuracy: 44.7964%

Class russia : (2385/4536) -> accuracy: 52.5794%

Class us : (2621/4511) -> accuracy: 58.1024%

Class france : (1962/4593) -> accuracy: 42.7172%

DEV accuracy on epoch 9/20 in train step 1012 = 51.1111%

Class turkey : (2931/4440) -> accuracy: 66.0135%

Class germany: (1850/4420) -> accuracy: 41.8552%

Class russia : (2697/4536) -> accuracy: 59.4577%

Class us : (2171/4511) -> accuracy: 48.1268%

Class france : (1851/4593) -> accuracy: 40.3005%

DEV accuracy on epoch 9/20 in train step 2024 = 50.3200%

Class turkey : (2461/4440) -> accuracy: 55.4279%

Class germany: (1871/4420) -> accuracy: 42.3303%

Class russia : (2447/4536) -> accuracy: 53.9462%

Class us : (2641/4511) -> accuracy: 58.5458%

Class france : (1902/4593) -> accuracy: 41.4108%

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Epoch: 10/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 10/20 in train step 0 = 50.3111%

Class turkey : (2473/4440) -> accuracy: 55.6982%

Class germany: (1903/4420) -> accuracy: 43.0543%

Class russia : (2422/4536) -> accuracy: 53.3951%

Class us : (2620/4511) -> accuracy: 58.0802%

Class france : (1902/4593) -> accuracy: 41.4108%

DEV accuracy on epoch 10/20 in train step 1012 = 50.5600%

Class turkey : (2959/4440) -> accuracy: 66.6441%

Class germany: (1879/4420) -> accuracy: 42.5113%

Class russia : (2435/4536) -> accuracy: 53.6817%

Class us : (2207/4511) -> accuracy: 48.9249%

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

DEV accuracy on epoch 10/20 in train step 2024 = 50.1067%

Class turkey : (2450/4440) -> accuracy: 55.1802%

Class germany: (2021/4420) -> accuracy: 45.7240%

Class russia : (2377/4536) -> accuracy: 52.4030%

Class us : (2671/4511) -> accuracy: 59.2108%

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

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Epoch: 11/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 11/20 in train step 0 = 49.8578%

Class turkey : (2439/4440) -> accuracy: 54.9324%

Class germany: (2063/4420) -> accuracy: 46.6742%

Class russia : (2290/4536) -> accuracy: 50.4850%

Class us : (2664/4511) -> accuracy: 59.0556%

Class france : (1762/4593) -> accuracy: 38.3627%

DEV accuracy on epoch 11/20 in train step 1012 = 49.6000%

Class turkey : (2792/4440) -> accuracy: 62.8829%

Class germany: (1704/4420) -> accuracy: 38.5520%

Class russia : (2333/4536) -> accuracy: 51.4330%

Class us : (2329/4511) -> accuracy: 51.6294%

Class france : (2002/4593) -> accuracy: 43.5881%

DEV accuracy on epoch 11/20 in train step 2024 = 49.9422%

Class turkey : (2551/4440) -> accuracy: 57.4550%

Class germany: (1976/4420) -> accuracy: 44.7059%

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

Class us : (2535/4511) -> accuracy: 56.1960%

Class france : (1626/4593) -> accuracy: 35.4017%

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Epoch: 12/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 12/20 in train step 0 = 49.7511%

Class turkey : (2525/4440) -> accuracy: 56.8694%

Class germany: (1977/4420) -> accuracy: 44.7285%

Class russia : (2472/4536) -> accuracy: 54.4974%

Class us : (2612/4511) -> accuracy: 57.9029%

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

DEV accuracy on epoch 12/20 in train step 1012 = 49.4000%

Class turkey : (2736/4440) -> accuracy: 61.6216%

Class germany: (1782/4420) -> accuracy: 40.3167%

Class russia : (2275/4536) -> accuracy: 50.1543%

Class us : (2341/4511) -> accuracy: 51.8954%

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

DEV accuracy on epoch 12/20 in train step 2024 = 50.1156%

Class turkey : (2601/4440) -> accuracy: 58.5811%

Class germany: (1946/4420) -> accuracy: 44.0271%

Class russia : (2584/4536) -> accuracy: 56.9665%

Class us : (2394/4511) -> accuracy: 53.0703%

Class france : (1751/4593) -> accuracy: 38.1232%

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Epoch: 13/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 13/20 in train step 0 = 50.0800%

Class turkey : (2613/4440) -> accuracy: 58.8514%

Class germany: (1953/4420) -> accuracy: 44.1855%

Class russia : (2553/4536) -> accuracy: 56.2831%

Class us : (2401/4511) -> accuracy: 53.2254%

Class france : (1748/4593) -> accuracy: 38.0579%

DEV accuracy on epoch 13/20 in train step 1012 = 49.2978%

Class turkey : (2561/4440) -> accuracy: 57.6802%

Class germany: (1890/4420) -> accuracy: 42.7602%

Class russia : (2269/4536) -> accuracy: 50.0220%

Class us : (2399/4511) -> accuracy: 53.1811%

Class france : (1973/4593) -> accuracy: 42.9567%

DEV accuracy on epoch 13/20 in train step 2024 = 50.0044%

Class turkey : (2634/4440) -> accuracy: 59.3243%

Class germany: (1979/4420) -> accuracy: 44.7738%

Class russia : (2669/4536) -> accuracy: 58.8404%

Class us : (2291/4511) -> accuracy: 50.7870%

Class france : (1678/4593) -> accuracy: 36.5339%

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Epoch: 14/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 14/20 in train step 0 = 49.9467%

Class turkey : (2623/4440) -> accuracy: 59.0766%

Class germany: (1986/4420) -> accuracy: 44.9321%

Class russia : (2629/4536) -> accuracy: 57.9586%

Class us : (2339/4511) -> accuracy: 51.8510%

Class france : (1661/4593) -> accuracy: 36.1637%

DEV accuracy on epoch 14/20 in train step 1012 = 49.0800%

Class turkey : (2711/4440) -> accuracy: 61.0586%

Class germany: (1807/4420) -> accuracy: 40.8824%

Class russia : (2176/4536) -> accuracy: 47.9718%

Class us : (2425/4511) -> accuracy: 53.7575%

Class france : (1924/4593) -> accuracy: 41.8898%

DEV accuracy on epoch 14/20 in train step 2024 = 49.7644%

Class turkey : (2631/4440) -> accuracy: 59.2568%

Class germany: (1988/4420) -> accuracy: 44.9774%

Class russia : (2654/4536) -> accuracy: 58.5097%

Class us : (2169/4511) -> accuracy: 48.0825%

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

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Epoch: 15/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 15/20 in train step 0 = 49.7733%

Class turkey : (2640/4440) -> accuracy: 59.4595%

Class germany: (1992/4420) -> accuracy: 45.0679%

Class russia : (2632/4536) -> accuracy: 58.0247%

Class us : (2217/4511) -> accuracy: 49.1465%

Class france : (1718/4593) -> accuracy: 37.4047%

DEV accuracy on epoch 15/20 in train step 1012 = 49.0489%

Class turkey : (2721/4440) -> accuracy: 61.2838%

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

Class russia : (2114/4536) -> accuracy: 46.6049%

Class us : (2471/4511) -> accuracy: 54.7772%

Class france : (1957/4593) -> accuracy: 42.6083%

DEV accuracy on epoch 15/20 in train step 2024 = 49.7022%

Class turkey : (2504/4440) -> accuracy: 56.3964%

Class germany: (2118/4420) -> accuracy: 47.9186%

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

Class us : (2037/4511) -> accuracy: 45.1563%

Class france : (1796/4593) -> accuracy: 39.1030%

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Epoch: 16/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 16/20 in train step 0 = 49.6622%

Class turkey : (2510/4440) -> accuracy: 56.5315%

Class germany: (2144/4420) -> accuracy: 48.5068%

Class russia : (2690/4536) -> accuracy: 59.3034%

Class us : (2044/4511) -> accuracy: 45.3115%

Class france : (1786/4593) -> accuracy: 38.8853%

DEV accuracy on epoch 16/20 in train step 1012 = 49.2444%

Class turkey : (2749/4440) -> accuracy: 61.9144%

Class germany: (1768/4420) -> accuracy: 40.0000%

Class russia : (2247/4536) -> accuracy: 49.5370%

Class us : (2389/4511) -> accuracy: 52.9594%

Class france : (1927/4593) -> accuracy: 41.9551%

DEV accuracy on epoch 16/20 in train step 2024 = 49.4578%

Class turkey : (2517/4440) -> accuracy: 56.6892%

Class germany: (2170/4420) -> accuracy: 49.0950%

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

Class us : (1962/4511) -> accuracy: 43.4937%

Class france : (1777/4593) -> accuracy: 38.6893%

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Epoch: 17/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 17/20 in train step 0 = 49.3156%

Class turkey : (2509/4440) -> accuracy: 56.5090%

Class germany: (2195/4420) -> accuracy: 49.6606%

Class russia : (2664/4536) -> accuracy: 58.7302%

Class us : (1978/4511) -> accuracy: 43.8484%

Class france : (1750/4593) -> accuracy: 38.1015%

DEV accuracy on epoch 17/20 in train step 1012 = 48.6267%

Class turkey : (2644/4440) -> accuracy: 59.5495%

Class germany: (1771/4420) -> accuracy: 40.0679%

Class russia : (2248/4536) -> accuracy: 49.5591%

Class us : (2393/4511) -> accuracy: 53.0481%

Class france : (1885/4593) -> accuracy: 41.0407%

DEV accuracy on epoch 17/20 in train step 2024 = 50.3733%

Class turkey : (2491/4440) -> accuracy: 56.1036%

Class germany: (2060/4420) -> accuracy: 46.6063%

Class russia : (2669/4536) -> accuracy: 58.8404%

Class us : (2256/4511) -> accuracy: 50.0111%

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

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Epoch: 18/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 18/20 in train step 0 = 50.3067%

Class turkey : (2483/4440) -> accuracy: 55.9234%

Class germany: (2076/4420) -> accuracy: 46.9683%

Class russia : (2646/4536) -> accuracy: 58.3333%

Class us : (2281/4511) -> accuracy: 50.5653%

Class france : (1833/4593) -> accuracy: 39.9086%

DEV accuracy on epoch 18/20 in train step 1012 = 48.7822%

Class turkey : (2695/4440) -> accuracy: 60.6982%

Class germany: (1764/4420) -> accuracy: 39.9095%

Class russia : (2155/4536) -> accuracy: 47.5088%

Class us : (2422/4511) -> accuracy: 53.6910%

Class france : (1940/4593) -> accuracy: 42.2382%

DEV accuracy on epoch 18/20 in train step 2024 = 50.1556%

Class turkey : (2613/4440) -> accuracy: 58.8514%

Class germany: (1997/4420) -> accuracy: 45.1810%

Class russia : (2697/4536) -> accuracy: 59.4577%

Class us : (2188/4511) -> accuracy: 48.5037%

Class france : (1790/4593) -> accuracy: 38.9723%

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Epoch: 19/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 19/20 in train step 0 = 50.1200%

Class turkey : (2600/4440) -> accuracy: 58.5586%

Class germany: (2019/4420) -> accuracy: 45.6787%

Class russia : (2697/4536) -> accuracy: 59.4577%

Class us : (2193/4511) -> accuracy: 48.6145%

Class france : (1768/4593) -> accuracy: 38.4934%

DEV accuracy on epoch 19/20 in train step 1012 = 48.7600%

Class turkey : (2743/4440) -> accuracy: 61.7793%

Class germany: (1792/4420) -> accuracy: 40.5430%

Class russia : (2206/4536) -> accuracy: 48.6332%

Class us : (2344/4511) -> accuracy: 51.9619%

Class france : (1886/4593) -> accuracy: 41.0625%

DEV accuracy on epoch 19/20 in train step 2024 = 49.9778%

Class turkey : (2562/4440) -> accuracy: 57.7027%

Class germany: (1923/4420) -> accuracy: 43.5068%

Class russia : (2567/4536) -> accuracy: 56.5917%

Class us : (2253/4511) -> accuracy: 49.9446%

Class france : (1940/4593) -> accuracy: 42.2382%

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

Epoch: 20/20 ---- best so far on epoch 5: acc=54.1378%

DEV accuracy on epoch 20/20 in train step 0 = 49.9156%

Class turkey : (2559/4440) -> accuracy: 57.6351%

Class germany: (1966/4420) -> accuracy: 44.4796%

Class russia : (2567/4536) -> accuracy: 56.5917%

Class us : (2240/4511) -> accuracy: 49.6564%

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

DEV accuracy on epoch 20/20 in train step 1012 = 49.2356%

Class turkey : (2782/4440) -> accuracy: 62.6577%

Class germany: (1725/4420) -> accuracy: 39.0271%

Class russia : (2205/4536) -> accuracy: 48.6111%

Class us : (2402/4511) -> accuracy: 53.2476%

Class france : (1964/4593) -> accuracy: 42.7607%

DEV accuracy on epoch 20/20 in train step 2024 = 49.7422%

Class turkey : (2525/4440) -> accuracy: 56.8694%

Class germany: (1947/4420) -> accuracy: 44.0498%

Class russia : (2636/4536) -> accuracy: 58.1129%

Class us : (2328/4511) -> accuracy: 51.6072%

Class france : (1756/4593) -> accuracy: 38.2321%

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

\*\*\*Training is complete. Best accuracy 54.1378% at epoch 5/20

\*\*\*Testing...

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

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

Accuracy on test set - (13350/25000) -> accuracy: 53.4000%

Class turkey : (2977/4971) -> accuracy: 59.8873%

Class germany: (2227/5035) -> accuracy: 44.2304%

Class russia : (3202/5020) -> accuracy: 63.7849%

Class us : (2708/4954) -> accuracy: 54.6629%

Class france : (2236/5020) -> accuracy: 44.5418%

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 100

evaluating on dev data 3 times per epoch

KEEP\_PROB 0.5

BATCH\_SIZE 100

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 54.1377777778

testing acc 53.4

Time(HH:MM:SS): 05:35:58

Leaving function \_\_main\_\_