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: 64

gru\_backward\_cell units: 64

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

DEV accuracy on epoch 1/20 in train step 0 = 19.7333%

Class turkey : (4440/4440) -> accuracy: 100.0000%

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

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 19.7333% at epoch 1/20 (4440/22500)

DEV accuracy on epoch 1/20 in train step 1012 = 30.9733%

Class turkey : (1305/4440) -> accuracy: 29.3919%

Class germany: (14/4420) -> accuracy: 0.3167%

Class russia : (2245/4536) -> accuracy: 49.4929%

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

Class france : (3405/4593) -> accuracy: 74.1346%

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

INFO:root: Best accuracy 30.9733% at epoch 1/20 (6969/22500)

DEV accuracy on epoch 1/20 in train step 2024 = 44.1289%

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

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

Class russia : (1704/4536) -> accuracy: 37.5661%

Class us : (1734/4511) -> accuracy: 38.4394%

Class france : (1818/4593) -> accuracy: 39.5820%

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

INFO:root: Best accuracy 44.1289% at epoch 1/20 (9929/22500)

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Epoch: 2/20 ---- best so far on epoch 1: acc=44.1289%

DEV accuracy on epoch 2/20 in train step 0 = 43.9778%

Class turkey : (2776/4440) -> accuracy: 62.5225%

Class germany: (2172/4420) -> accuracy: 49.1403%

Class russia : (1757/4536) -> accuracy: 38.7346%

Class us : (1473/4511) -> accuracy: 32.6535%

Class france : (1717/4593) -> accuracy: 37.3830%

DEV accuracy on epoch 2/20 in train step 1012 = 48.6489%

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

Class germany: (1712/4420) -> accuracy: 38.7330%

Class russia : (2930/4536) -> accuracy: 64.5944%

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

Class france : (1349/4593) -> accuracy: 29.3708%

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

INFO:root: Best accuracy 48.6489% at epoch 2/20 (10946/22500)

DEV accuracy on epoch 2/20 in train step 2024 = 49.9911%

Class turkey : (2512/4440) -> accuracy: 56.5766%

Class germany: (1781/4420) -> accuracy: 40.2941%

Class russia : (2845/4536) -> accuracy: 62.7205%

Class us : (1982/4511) -> accuracy: 43.9370%

Class france : (2128/4593) -> accuracy: 46.3314%

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

INFO:root: Best accuracy 49.9911% at epoch 2/20 (11248/22500)

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Epoch: 3/20 ---- best so far on epoch 2: acc=49.9911%

DEV accuracy on epoch 3/20 in train step 0 = 49.6178%

Class turkey : (2599/4440) -> accuracy: 58.5360%

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

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

Class us : (1669/4511) -> accuracy: 36.9984%

Class france : (2178/4593) -> accuracy: 47.4200%

DEV accuracy on epoch 3/20 in train step 1012 = 50.8311%

Class turkey : (2929/4440) -> accuracy: 65.9685%

Class germany: (1509/4420) -> accuracy: 34.1403%

Class russia : (2888/4536) -> accuracy: 63.6684%

Class us : (2361/4511) -> accuracy: 52.3387%

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

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

INFO:root: Best accuracy 50.8311% at epoch 3/20 (11437/22500)

DEV accuracy on epoch 3/20 in train step 2024 = 50.8800%

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

Class germany: (1789/4420) -> accuracy: 40.4751%

Class russia : (2559/4536) -> accuracy: 56.4153%

Class us : (2538/4511) -> accuracy: 56.2625%

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

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

INFO:root: Best accuracy 50.8800% at epoch 3/20 (11448/22500)

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Epoch: 4/20 ---- best so far on epoch 3: acc=50.8800%

DEV accuracy on epoch 4/20 in train step 0 = 50.9378%

Class turkey : (2833/4440) -> accuracy: 63.8063%

Class germany: (1868/4420) -> accuracy: 42.2624%

Class russia : (2501/4536) -> accuracy: 55.1367%

Class us : (2382/4511) -> accuracy: 52.8043%

Class france : (1877/4593) -> accuracy: 40.8665%

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

INFO:root: Best accuracy 50.9378% at epoch 4/20 (11461/22500)

DEV accuracy on epoch 4/20 in train step 1012 = 51.3067%

Class turkey : (3033/4440) -> accuracy: 68.3108%

Class germany: (1549/4420) -> accuracy: 35.0452%

Class russia : (2770/4536) -> accuracy: 61.0670%

Class us : (2388/4511) -> accuracy: 52.9373%

Class france : (1804/4593) -> accuracy: 39.2772%

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

INFO:root: Best accuracy 51.3067% at epoch 4/20 (11544/22500)

DEV accuracy on epoch 4/20 in train step 2024 = 51.8800%

Class turkey : (2769/4440) -> accuracy: 62.3649%

Class germany: (1909/4420) -> accuracy: 43.1900%

Class russia : (2670/4536) -> accuracy: 58.8624%

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

Class france : (1798/4593) -> accuracy: 39.1465%

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

INFO:root: Best accuracy 51.8800% at epoch 4/20 (11673/22500)

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Epoch: 5/20 ---- best so far on epoch 4: acc=51.8800%

DEV accuracy on epoch 5/20 in train step 0 = 52.0133%

Class turkey : (2851/4440) -> accuracy: 64.2117%

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

Class russia : (2615/4536) -> accuracy: 57.6499%

Class us : (2461/4511) -> accuracy: 54.5555%

Class france : (1810/4593) -> accuracy: 39.4078%

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

INFO:root: Best accuracy 52.0133% at epoch 5/20 (11703/22500)

DEV accuracy on epoch 5/20 in train step 1012 = 51.7200%

Class turkey : (3051/4440) -> accuracy: 68.7162%

Class germany: (1594/4420) -> accuracy: 36.0633%

Class russia : (2826/4536) -> accuracy: 62.3016%

Class us : (2337/4511) -> accuracy: 51.8067%

Class france : (1829/4593) -> accuracy: 39.8215%

DEV accuracy on epoch 5/20 in train step 2024 = 52.0533%

Class turkey : (2666/4440) -> accuracy: 60.0450%

Class germany: (2000/4420) -> accuracy: 45.2489%

Class russia : (2665/4536) -> accuracy: 58.7522%

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

Class france : (1693/4593) -> accuracy: 36.8604%

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

INFO:root: Best accuracy 52.0533% at epoch 5/20 (11712/22500)

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Epoch: 6/20 ---- best so far on epoch 5: acc=52.0533%

DEV accuracy on epoch 6/20 in train step 0 = 52.2933%

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

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

Class russia : (2628/4536) -> accuracy: 57.9365%

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

Class france : (1715/4593) -> accuracy: 37.3394%

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

INFO:root: Best accuracy 52.2933% at epoch 6/20 (11766/22500)

DEV accuracy on epoch 6/20 in train step 1012 = 51.9333%

Class turkey : (3130/4440) -> accuracy: 70.4955%

Class germany: (1627/4420) -> accuracy: 36.8100%

Class russia : (2847/4536) -> accuracy: 62.7646%

Class us : (2201/4511) -> accuracy: 48.7918%

Class france : (1880/4593) -> accuracy: 40.9319%

DEV accuracy on epoch 6/20 in train step 2024 = 52.7156%

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

Class germany: (1922/4420) -> accuracy: 43.4842%

Class russia : (2640/4536) -> accuracy: 58.2011%

Class us : (2715/4511) -> accuracy: 60.1862%

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

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

INFO:root: Best accuracy 52.7156% at epoch 6/20 (11861/22500)

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Epoch: 7/20 ---- best so far on epoch 6: acc=52.7156%

DEV accuracy on epoch 7/20 in train step 0 = 52.8667%

Class turkey : (2851/4440) -> accuracy: 64.2117%

Class germany: (1987/4420) -> accuracy: 44.9548%

Class russia : (2590/4536) -> accuracy: 57.0988%

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

Class france : (1866/4593) -> accuracy: 40.6270%

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

INFO:root: Best accuracy 52.8667% at epoch 7/20 (11895/22500)

DEV accuracy on epoch 7/20 in train step 1012 = 52.6978%

Class turkey : (2944/4440) -> accuracy: 66.3063%

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

Class russia : (2902/4536) -> accuracy: 63.9771%

Class us : (2439/4511) -> accuracy: 54.0678%

Class france : (1820/4593) -> accuracy: 39.6255%

DEV accuracy on epoch 7/20 in train step 2024 = 52.7511%

Class turkey : (2715/4440) -> accuracy: 61.1486%

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

Class russia : (2672/4536) -> accuracy: 58.9065%

Class us : (2847/4511) -> accuracy: 63.1124%

Class france : (1732/4593) -> accuracy: 37.7096%

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Epoch: 8/20 ---- best so far on epoch 7: acc=52.8667%

DEV accuracy on epoch 8/20 in train step 0 = 52.7467%

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

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

Class russia : (2624/4536) -> accuracy: 57.8483%

Class us : (2753/4511) -> accuracy: 61.0286%

Class france : (1746/4593) -> accuracy: 38.0144%

DEV accuracy on epoch 8/20 in train step 1012 = 52.8800%

Class turkey : (3090/4440) -> accuracy: 69.5946%

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

Class russia : (2800/4536) -> accuracy: 61.7284%

Class us : (2302/4511) -> accuracy: 51.0308%

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

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

INFO:root: Best accuracy 52.8800% at epoch 8/20 (11898/22500)

DEV accuracy on epoch 8/20 in train step 2024 = 52.9111%

Class turkey : (2655/4440) -> accuracy: 59.7973%

Class germany: (1950/4420) -> accuracy: 44.1176%

Class russia : (2719/4536) -> accuracy: 59.9427%

Class us : (2763/4511) -> accuracy: 61.2503%

Class france : (1818/4593) -> accuracy: 39.5820%

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

INFO:root: Best accuracy 52.9111% at epoch 8/20 (11905/22500)

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Epoch: 9/20 ---- best so far on epoch 8: acc=52.9111%

DEV accuracy on epoch 9/20 in train step 0 = 53.0978%

Class turkey : (2742/4440) -> accuracy: 61.7568%

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

Class russia : (2668/4536) -> accuracy: 58.8183%

Class us : (2723/4511) -> accuracy: 60.3636%

Class france : (1834/4593) -> accuracy: 39.9303%

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

INFO:root: Best accuracy 53.0978% at epoch 9/20 (11947/22500)

DEV accuracy on epoch 9/20 in train step 1012 = 53.2133%

Class turkey : (3146/4440) -> accuracy: 70.8559%

Class germany: (1881/4420) -> accuracy: 42.5566%

Class russia : (2816/4536) -> accuracy: 62.0811%

Class us : (2202/4511) -> accuracy: 48.8140%

Class france : (1928/4593) -> accuracy: 41.9769%

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

INFO:root: Best accuracy 53.2133% at epoch 9/20 (11973/22500)

DEV accuracy on epoch 9/20 in train step 2024 = 53.2622%

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

Class germany: (1835/4420) -> accuracy: 41.5158%

Class russia : (2729/4536) -> accuracy: 60.1631%

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

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

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

INFO:root: Best accuracy 53.2622% at epoch 9/20 (11984/22500)

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Epoch: 10/20 ---- best so far on epoch 9: acc=53.2622%

DEV accuracy on epoch 10/20 in train step 0 = 53.1911%

Class turkey : (2803/4440) -> accuracy: 63.1306%

Class germany: (1865/4420) -> accuracy: 42.1946%

Class russia : (2679/4536) -> accuracy: 59.0608%

Class us : (2769/4511) -> accuracy: 61.3833%

Class france : (1852/4593) -> accuracy: 40.3222%

DEV accuracy on epoch 10/20 in train step 1012 = 53.4578%

Class turkey : (3117/4440) -> accuracy: 70.2027%

Class germany: (1935/4420) -> accuracy: 43.7783%

Class russia : (2732/4536) -> accuracy: 60.2293%

Class us : (2249/4511) -> accuracy: 49.8559%

Class france : (1995/4593) -> accuracy: 43.4357%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 10

INFO:root: Best accuracy 53.4578% at epoch 10/20 (12028/22500)

DEV accuracy on epoch 10/20 in train step 2024 = 52.7511%

Class turkey : (2694/4440) -> accuracy: 60.6757%

Class germany: (1950/4420) -> accuracy: 44.1176%

Class russia : (2662/4536) -> accuracy: 58.6861%

Class us : (2848/4511) -> accuracy: 63.1346%

Class france : (1715/4593) -> accuracy: 37.3394%

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Epoch: 11/20 ---- best so far on epoch 10: acc=53.4578%

DEV accuracy on epoch 11/20 in train step 0 = 52.9067%

Class turkey : (2741/4440) -> accuracy: 61.7342%

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

Class russia : (2647/4536) -> accuracy: 58.3554%

Class us : (2762/4511) -> accuracy: 61.2281%

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

DEV accuracy on epoch 11/20 in train step 1012 = 53.6356%

Class turkey : (3093/4440) -> accuracy: 69.6622%

Class germany: (1876/4420) -> accuracy: 42.4434%

Class russia : (2780/4536) -> accuracy: 61.2875%

Class us : (2238/4511) -> accuracy: 49.6121%

Class france : (2081/4593) -> accuracy: 45.3081%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 11

INFO:root: Best accuracy 53.6356% at epoch 11/20 (12068/22500)

DEV accuracy on epoch 11/20 in train step 2024 = 52.9778%

Class turkey : (2733/4440) -> accuracy: 61.5541%

Class germany: (1942/4420) -> accuracy: 43.9367%

Class russia : (2582/4536) -> accuracy: 56.9224%

Class us : (2838/4511) -> accuracy: 62.9129%

Class france : (1825/4593) -> accuracy: 39.7344%

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Epoch: 12/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 12/20 in train step 0 = 53.2356%

Class turkey : (2791/4440) -> accuracy: 62.8604%

Class germany: (1984/4420) -> accuracy: 44.8869%

Class russia : (2580/4536) -> accuracy: 56.8783%

Class us : (2784/4511) -> accuracy: 61.7158%

Class france : (1839/4593) -> accuracy: 40.0392%

DEV accuracy on epoch 12/20 in train step 1012 = 53.5778%

Class turkey : (3114/4440) -> accuracy: 70.1351%

Class germany: (1956/4420) -> accuracy: 44.2534%

Class russia : (2772/4536) -> accuracy: 61.1111%

Class us : (2268/4511) -> accuracy: 50.2771%

Class france : (1945/4593) -> accuracy: 42.3470%

DEV accuracy on epoch 12/20 in train step 2024 = 53.1644%

Class turkey : (2727/4440) -> accuracy: 61.4189%

Class germany: (1885/4420) -> accuracy: 42.6471%

Class russia : (2595/4536) -> accuracy: 57.2090%

Class us : (2750/4511) -> accuracy: 60.9621%

Class france : (2005/4593) -> accuracy: 43.6534%

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Epoch: 13/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 13/20 in train step 0 = 53.3156%

Class turkey : (2784/4440) -> accuracy: 62.7027%

Class germany: (1945/4420) -> accuracy: 44.0045%

Class russia : (2583/4536) -> accuracy: 56.9444%

Class us : (2700/4511) -> accuracy: 59.8537%

Class france : (1984/4593) -> accuracy: 43.1962%

DEV accuracy on epoch 13/20 in train step 1012 = 53.6089%

Class turkey : (3072/4440) -> accuracy: 69.1892%

Class germany: (1845/4420) -> accuracy: 41.7421%

Class russia : (2717/4536) -> accuracy: 59.8986%

Class us : (2381/4511) -> accuracy: 52.7821%

Class france : (2047/4593) -> accuracy: 44.5678%

DEV accuracy on epoch 13/20 in train step 2024 = 53.3378%

Class turkey : (2660/4440) -> accuracy: 59.9099%

Class germany: (1975/4420) -> accuracy: 44.6833%

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

Class us : (2744/4511) -> accuracy: 60.8291%

Class france : (1986/4593) -> accuracy: 43.2397%

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Epoch: 14/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 14/20 in train step 0 = 53.4089%

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

Class germany: (2036/4420) -> accuracy: 46.0633%

Class russia : (2606/4536) -> accuracy: 57.4515%

Class us : (2704/4511) -> accuracy: 59.9424%

Class france : (1976/4593) -> accuracy: 43.0220%

DEV accuracy on epoch 14/20 in train step 1012 = 53.5956%

Class turkey : (3072/4440) -> accuracy: 69.1892%

Class germany: (1897/4420) -> accuracy: 42.9186%

Class russia : (2752/4536) -> accuracy: 60.6702%

Class us : (2345/4511) -> accuracy: 51.9840%

Class france : (1993/4593) -> accuracy: 43.3921%

DEV accuracy on epoch 14/20 in train step 2024 = 53.2489%

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

Class germany: (1970/4420) -> accuracy: 44.5701%

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

Class us : (2776/4511) -> accuracy: 61.5385%

Class france : (1953/4593) -> accuracy: 42.5212%

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Epoch: 15/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 15/20 in train step 0 = 53.3200%

Class turkey : (2694/4440) -> accuracy: 60.6757%

Class germany: (2012/4420) -> accuracy: 45.5204%

Class russia : (2619/4536) -> accuracy: 57.7381%

Class us : (2708/4511) -> accuracy: 60.0310%

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

DEV accuracy on epoch 15/20 in train step 1012 = 53.4311%

Class turkey : (3017/4440) -> accuracy: 67.9505%

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

Class russia : (2692/4536) -> accuracy: 59.3474%

Class us : (2392/4511) -> accuracy: 53.0259%

Class france : (2062/4593) -> accuracy: 44.8944%

DEV accuracy on epoch 15/20 in train step 2024 = 53.0800%

Class turkey : (2666/4440) -> accuracy: 60.0450%

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

Class russia : (2523/4536) -> accuracy: 55.6217%

Class us : (2893/4511) -> accuracy: 64.1321%

Class france : (1938/4593) -> accuracy: 42.1946%

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Epoch: 16/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 16/20 in train step 0 = 53.1778%

Class turkey : (2704/4440) -> accuracy: 60.9009%

Class germany: (1983/4420) -> accuracy: 44.8643%

Class russia : (2502/4536) -> accuracy: 55.1587%

Class us : (2862/4511) -> accuracy: 63.4449%

Class france : (1914/4593) -> accuracy: 41.6721%

DEV accuracy on epoch 16/20 in train step 1012 = 53.5867%

Class turkey : (3035/4440) -> accuracy: 68.3559%

Class germany: (1874/4420) -> accuracy: 42.3982%

Class russia : (2696/4536) -> accuracy: 59.4356%

Class us : (2382/4511) -> accuracy: 52.8043%

Class france : (2070/4593) -> accuracy: 45.0686%

DEV accuracy on epoch 16/20 in train step 2024 = 53.3067%

Class turkey : (2642/4440) -> accuracy: 59.5045%

Class germany: (1928/4420) -> accuracy: 43.6199%

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

Class us : (2787/4511) -> accuracy: 61.7823%

Class france : (2012/4593) -> accuracy: 43.8058%

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Epoch: 17/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 17/20 in train step 0 = 53.2800%

Class turkey : (2661/4440) -> accuracy: 59.9324%

Class germany: (1975/4420) -> accuracy: 44.6833%

Class russia : (2603/4536) -> accuracy: 57.3854%

Class us : (2738/4511) -> accuracy: 60.6961%

Class france : (2011/4593) -> accuracy: 43.7840%

DEV accuracy on epoch 17/20 in train step 1012 = 53.5689%

Class turkey : (3024/4440) -> accuracy: 68.1081%

Class germany: (1983/4420) -> accuracy: 44.8643%

Class russia : (2676/4536) -> accuracy: 58.9947%

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

Class france : (1968/4593) -> accuracy: 42.8478%

DEV accuracy on epoch 17/20 in train step 2024 = 53.1867%

Class turkey : (2666/4440) -> accuracy: 60.0450%

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

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

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

Class france : (1901/4593) -> accuracy: 41.3891%

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Epoch: 18/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 18/20 in train step 0 = 53.2089%

Class turkey : (2700/4440) -> accuracy: 60.8108%

Class germany: (2047/4420) -> accuracy: 46.3122%

Class russia : (2589/4536) -> accuracy: 57.0767%

Class us : (2753/4511) -> accuracy: 61.0286%

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

DEV accuracy on epoch 18/20 in train step 1012 = 53.5467%

Class turkey : (3057/4440) -> accuracy: 68.8514%

Class germany: (1961/4420) -> accuracy: 44.3665%

Class russia : (2647/4536) -> accuracy: 58.3554%

Class us : (2413/4511) -> accuracy: 53.4915%

Class france : (1970/4593) -> accuracy: 42.8914%

DEV accuracy on epoch 18/20 in train step 2024 = 53.4222%

Class turkey : (2642/4440) -> accuracy: 59.5045%

Class germany: (1874/4420) -> accuracy: 42.3982%

Class russia : (2693/4536) -> accuracy: 59.3695%

Class us : (2780/4511) -> accuracy: 61.6271%

Class france : (2031/4593) -> accuracy: 44.2195%

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

Epoch: 19/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 19/20 in train step 0 = 53.3733%

Class turkey : (2653/4440) -> accuracy: 59.7523%

Class germany: (1913/4420) -> accuracy: 43.2805%

Class russia : (2672/4536) -> accuracy: 58.9065%

Class us : (2748/4511) -> accuracy: 60.9178%

Class france : (2023/4593) -> accuracy: 44.0453%

DEV accuracy on epoch 19/20 in train step 1012 = 53.2444%

Class turkey : (3016/4440) -> accuracy: 67.9279%

Class germany: (1832/4420) -> accuracy: 41.4480%

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

Class us : (2489/4511) -> accuracy: 55.1762%

Class france : (2094/4593) -> accuracy: 45.5911%

DEV accuracy on epoch 19/20 in train step 2024 = 53.0400%

Class turkey : (2622/4440) -> accuracy: 59.0541%

Class germany: (1843/4420) -> accuracy: 41.6968%

Class russia : (2689/4536) -> accuracy: 59.2813%

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

Class france : (1934/4593) -> accuracy: 42.1076%

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

Epoch: 20/20 ---- best so far on epoch 11: acc=53.6356%

DEV accuracy on epoch 20/20 in train step 0 = 52.9822%

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

Class germany: (1900/4420) -> accuracy: 42.9864%

Class russia : (2630/4536) -> accuracy: 57.9806%

Class us : (2818/4511) -> accuracy: 62.4695%

Class france : (1923/4593) -> accuracy: 41.8681%

DEV accuracy on epoch 20/20 in train step 1012 = 53.2889%

Class turkey : (3053/4440) -> accuracy: 68.7613%

Class germany: (1818/4420) -> accuracy: 41.1312%

Class russia : (2624/4536) -> accuracy: 57.8483%

Class us : (2450/4511) -> accuracy: 54.3117%

Class france : (2045/4593) -> accuracy: 44.5243%

DEV accuracy on epoch 20/20 in train step 2024 = 52.9689%

Class turkey : (2580/4440) -> accuracy: 58.1081%

Class germany: (1820/4420) -> accuracy: 41.1765%

Class russia : (2692/4536) -> accuracy: 59.3474%

Class us : (2852/4511) -> accuracy: 63.2232%

Class france : (1974/4593) -> accuracy: 42.9784%

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

\*\*\*Training is complete. Best accuracy 53.6356% at epoch 11/20

\*\*\*Testing...

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

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

Accuracy on test set - (13287/25000) -> accuracy: 53.1480%

Class turkey : (3433/4971) -> accuracy: 69.0606%

Class germany: (2082/5035) -> accuracy: 41.3505%

Class russia : (3074/5020) -> accuracy: 61.2351%

Class us : (2495/4954) -> accuracy: 50.3633%

Class france : (2203/5020) -> accuracy: 43.8845%

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 64

LSTM\_CELL\_TYPE GRU

optimizer is adamOptimizer - learn rate: 3 epochs 0.1, 7 epochs 0.01 and the rest 0.001

model:

USE\_TMP\_FOLDER True

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

results:

best training acc 53.6355555556

testing acc 53.148

Time(HH:MM:SS): 04:03:24

Leaving function \_\_main\_\_