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: (50, 150)

input\_labels\_batch shape: (50, 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 = 19.7333%

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 2025 = 19.6444%

Class turkey : (5/4440) -> accuracy: 0.1126%

Class germany: (4415/4420) -> accuracy: 99.8869%

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 1/20 in train step 4049 = 36.4711%

Class turkey : (2524/4440) -> accuracy: 56.8468%

Class germany: (9/4420) -> accuracy: 0.2036%

Class russia : (2596/4536) -> accuracy: 57.2310%

Class us : (1173/4511) -> accuracy: 26.0031%

Class france : (1904/4593) -> accuracy: 41.4544%

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

INFO:root: Best accuracy 36.4711% at epoch 1/20 (8206/22500)

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Epoch: 2/20 ---- best so far on epoch 1: acc=36.4711%

DEV accuracy on epoch 2/20 in train step 0 = 37.1289%

Class turkey : (2498/4440) -> accuracy: 56.2613%

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

Class russia : (2312/4536) -> accuracy: 50.9700%

Class us : (1697/4511) -> accuracy: 37.6192%

Class france : (1846/4593) -> accuracy: 40.1916%

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

INFO:root: Best accuracy 37.1289% at epoch 2/20 (8354/22500)

DEV accuracy on epoch 2/20 in train step 2025 = 49.2622%

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

Class germany: (2349/4420) -> accuracy: 53.1448%

Class russia : (2522/4536) -> accuracy: 55.5996%

Class us : (1494/4511) -> accuracy: 33.1190%

Class france : (2160/4593) -> accuracy: 47.0281%

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

INFO:root: Best accuracy 49.2622% at epoch 2/20 (11084/22500)

DEV accuracy on epoch 2/20 in train step 4049 = 51.5689%

Class turkey : (3007/4440) -> accuracy: 67.7252%

Class germany: (2361/4420) -> accuracy: 53.4163%

Class russia : (2781/4536) -> accuracy: 61.3095%

Class us : (1877/4511) -> accuracy: 41.6094%

Class france : (1577/4593) -> accuracy: 34.3349%

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

INFO:root: Best accuracy 51.5689% at epoch 2/20 (11603/22500)

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Epoch: 3/20 ---- best so far on epoch 2: acc=51.5689%

DEV accuracy on epoch 3/20 in train step 0 = 51.3778%

Class turkey : (3083/4440) -> accuracy: 69.4369%

Class germany: (2257/4420) -> accuracy: 51.0633%

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

Class us : (1895/4511) -> accuracy: 42.0084%

Class france : (1545/4593) -> accuracy: 33.6381%

DEV accuracy on epoch 3/20 in train step 2025 = 51.9644%

Class turkey : (2476/4440) -> accuracy: 55.7658%

Class germany: (2099/4420) -> accuracy: 47.4887%

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

Class us : (2009/4511) -> accuracy: 44.5356%

Class france : (2468/4593) -> accuracy: 53.7339%

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

INFO:root: Best accuracy 51.9644% at epoch 3/20 (11692/22500)

DEV accuracy on epoch 3/20 in train step 4049 = 53.3467%

Class turkey : (2875/4440) -> accuracy: 64.7523%

Class germany: (2219/4420) -> accuracy: 50.2036%

Class russia : (2811/4536) -> accuracy: 61.9709%

Class us : (2118/4511) -> accuracy: 46.9519%

Class france : (1980/4593) -> accuracy: 43.1091%

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

INFO:root: Best accuracy 53.3467% at epoch 3/20 (12003/22500)

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Epoch: 4/20 ---- best so far on epoch 3: acc=53.3467%

DEV accuracy on epoch 4/20 in train step 0 = 53.4044%

Class turkey : (2923/4440) -> accuracy: 65.8333%

Class germany: (2233/4420) -> accuracy: 50.5204%

Class russia : (2825/4536) -> accuracy: 62.2795%

Class us : (2123/4511) -> accuracy: 47.0627%

Class france : (1912/4593) -> accuracy: 41.6286%

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

INFO:root: Best accuracy 53.4044% at epoch 4/20 (12016/22500)

DEV accuracy on epoch 4/20 in train step 2025 = 53.4844%

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

Class germany: (2173/4420) -> accuracy: 49.1629%

Class russia : (2809/4536) -> accuracy: 61.9268%

Class us : (2343/4511) -> accuracy: 51.9397%

Class france : (2197/4593) -> accuracy: 47.8337%

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

INFO:root: Best accuracy 53.4844% at epoch 4/20 (12034/22500)

DEV accuracy on epoch 4/20 in train step 4049 = 53.5644%

Class turkey : (2795/4440) -> accuracy: 62.9505%

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

Class russia : (2849/4536) -> accuracy: 62.8086%

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

Class france : (2315/4593) -> accuracy: 50.4028%

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

INFO:root: Best accuracy 53.5644% at epoch 4/20 (12052/22500)

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Epoch: 5/20 ---- best so far on epoch 4: acc=53.5644%

DEV accuracy on epoch 5/20 in train step 0 = 53.5333%

Class turkey : (2836/4440) -> accuracy: 63.8739%

Class germany: (1994/4420) -> accuracy: 45.1131%

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

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

Class france : (2241/4593) -> accuracy: 48.7916%

DEV accuracy on epoch 5/20 in train step 2025 = 53.7733%

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

Class germany: (2010/4420) -> accuracy: 45.4751%

Class russia : (2761/4536) -> accuracy: 60.8686%

Class us : (2432/4511) -> accuracy: 53.9127%

Class france : (2192/4593) -> accuracy: 47.7248%

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

INFO:root: Best accuracy 53.7733% at epoch 5/20 (12099/22500)

DEV accuracy on epoch 5/20 in train step 4049 = 53.2533%

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

Class germany: (1808/4420) -> accuracy: 40.9050%

Class russia : (2882/4536) -> accuracy: 63.5362%

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

Class france : (2236/4593) -> accuracy: 48.6828%

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Epoch: 6/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 6/20 in train step 0 = 53.2578%

Class turkey : (2756/4440) -> accuracy: 62.0721%

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

Class russia : (2858/4536) -> accuracy: 63.0071%

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

Class france : (2208/4593) -> accuracy: 48.0732%

DEV accuracy on epoch 6/20 in train step 2025 = 52.6044%

Class turkey : (2845/4440) -> accuracy: 64.0766%

Class germany: (1816/4420) -> accuracy: 41.0860%

Class russia : (2819/4536) -> accuracy: 62.1473%

Class us : (2442/4511) -> accuracy: 54.1343%

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

DEV accuracy on epoch 6/20 in train step 4049 = 47.2844%

Class turkey : (2292/4440) -> accuracy: 51.6216%

Class germany: (1315/4420) -> accuracy: 29.7511%

Class russia : (2521/4536) -> accuracy: 55.5776%

Class us : (2732/4511) -> accuracy: 60.5631%

Class france : (1779/4593) -> accuracy: 38.7329%

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Epoch: 7/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 7/20 in train step 0 = 47.3244%

Class turkey : (2311/4440) -> accuracy: 52.0495%

Class germany: (1361/4420) -> accuracy: 30.7919%

Class russia : (2498/4536) -> accuracy: 55.0705%

Class us : (2728/4511) -> accuracy: 60.4744%

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

DEV accuracy on epoch 7/20 in train step 2025 = 51.0444%

Class turkey : (2795/4440) -> accuracy: 62.9505%

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

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

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

Class france : (1770/4593) -> accuracy: 38.5369%

DEV accuracy on epoch 7/20 in train step 4049 = 51.9511%

Class turkey : (2565/4440) -> accuracy: 57.7703%

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

Class russia : (2771/4536) -> accuracy: 61.0891%

Class us : (2594/4511) -> accuracy: 57.5039%

Class france : (1895/4593) -> accuracy: 41.2584%

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Epoch: 8/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 8/20 in train step 0 = 51.9422%

Class turkey : (2581/4440) -> accuracy: 58.1306%

Class germany: (1873/4420) -> accuracy: 42.3756%

Class russia : (2747/4536) -> accuracy: 60.5600%

Class us : (2589/4511) -> accuracy: 57.3930%

Class france : (1897/4593) -> accuracy: 41.3020%

DEV accuracy on epoch 8/20 in train step 2025 = 50.2400%

Class turkey : (2818/4440) -> accuracy: 63.4685%

Class germany: (1744/4420) -> accuracy: 39.4570%

Class russia : (2493/4536) -> accuracy: 54.9603%

Class us : (2353/4511) -> accuracy: 52.1614%

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

DEV accuracy on epoch 8/20 in train step 4049 = 52.5378%

Class turkey : (2690/4440) -> accuracy: 60.5856%

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

Class russia : (2758/4536) -> accuracy: 60.8025%

Class us : (2398/4511) -> accuracy: 53.1589%

Class france : (2000/4593) -> accuracy: 43.5445%

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Epoch: 9/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 9/20 in train step 0 = 52.5244%

Class turkey : (2722/4440) -> accuracy: 61.3063%

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

Class russia : (2753/4536) -> accuracy: 60.6922%

Class us : (2346/4511) -> accuracy: 52.0062%

Class france : (2000/4593) -> accuracy: 43.5445%

DEV accuracy on epoch 9/20 in train step 2025 = 51.4000%

Class turkey : (2914/4440) -> accuracy: 65.6306%

Class germany: (1800/4420) -> accuracy: 40.7240%

Class russia : (2631/4536) -> accuracy: 58.0026%

Class us : (2576/4511) -> accuracy: 57.1049%

Class france : (1644/4593) -> accuracy: 35.7936%

DEV accuracy on epoch 9/20 in train step 4049 = 52.4933%

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

Class germany: (1919/4420) -> accuracy: 43.4163%

Class russia : (2594/4536) -> accuracy: 57.1869%

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

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

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Epoch: 10/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 10/20 in train step 0 = 52.4978%

Class turkey : (2744/4440) -> accuracy: 61.8018%

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

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

Class us : (2415/4511) -> accuracy: 53.5358%

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

DEV accuracy on epoch 10/20 in train step 2025 = 52.7289%

Class turkey : (2910/4440) -> accuracy: 65.5405%

Class germany: (1830/4420) -> accuracy: 41.4027%

Class russia : (2736/4536) -> accuracy: 60.3175%

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

Class france : (1824/4593) -> accuracy: 39.7126%

DEV accuracy on epoch 10/20 in train step 4049 = 45.9422%

Class turkey : (2143/4440) -> accuracy: 48.2658%

Class germany: (1669/4420) -> accuracy: 37.7602%

Class russia : (2436/4536) -> accuracy: 53.7037%

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

Class france : (1650/4593) -> accuracy: 35.9242%

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Epoch: 11/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 11/20 in train step 0 = 45.9556%

Class turkey : (2158/4440) -> accuracy: 48.6036%

Class germany: (1719/4420) -> accuracy: 38.8914%

Class russia : (2438/4536) -> accuracy: 53.7478%

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

Class france : (1632/4593) -> accuracy: 35.5323%

DEV accuracy on epoch 11/20 in train step 2025 = 41.0178%

Class turkey : (2028/4440) -> accuracy: 45.6757%

Class germany: (1061/4420) -> accuracy: 24.0045%

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

Class us : (1656/4511) -> accuracy: 36.7103%

Class france : (2107/4593) -> accuracy: 45.8742%

DEV accuracy on epoch 11/20 in train step 4049 = 42.9067%

Class turkey : (2015/4440) -> accuracy: 45.3829%

Class germany: (1255/4420) -> accuracy: 28.3937%

Class russia : (2159/4536) -> accuracy: 47.5970%

Class us : (2379/4511) -> accuracy: 52.7378%

Class france : (1846/4593) -> accuracy: 40.1916%

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Epoch: 12/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 12/20 in train step 0 = 42.9733%

Class turkey : (2036/4440) -> accuracy: 45.8559%

Class germany: (1332/4420) -> accuracy: 30.1357%

Class russia : (2143/4536) -> accuracy: 47.2443%

Class us : (2308/4511) -> accuracy: 51.1638%

Class france : (1850/4593) -> accuracy: 40.2787%

DEV accuracy on epoch 12/20 in train step 2025 = 43.5289%

Class turkey : (2382/4440) -> accuracy: 53.6486%

Class germany: (1344/4420) -> accuracy: 30.4072%

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

Class us : (1779/4511) -> accuracy: 39.4369%

Class france : (1700/4593) -> accuracy: 37.0128%

DEV accuracy on epoch 12/20 in train step 4049 = 43.2756%

Class turkey : (1992/4440) -> accuracy: 44.8649%

Class germany: (1340/4420) -> accuracy: 30.3167%

Class russia : (2090/4536) -> accuracy: 46.0758%

Class us : (2547/4511) -> accuracy: 56.4620%

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

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Epoch: 13/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 13/20 in train step 0 = 43.3689%

Class turkey : (2003/4440) -> accuracy: 45.1126%

Class germany: (1420/4420) -> accuracy: 32.1267%

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

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

Class france : (1763/4593) -> accuracy: 38.3845%

DEV accuracy on epoch 13/20 in train step 2025 = 44.4578%

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

Class germany: (1370/4420) -> accuracy: 30.9955%

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

Class us : (1943/4511) -> accuracy: 43.0725%

Class france : (1530/4593) -> accuracy: 33.3116%

DEV accuracy on epoch 13/20 in train step 4049 = 44.9378%

Class turkey : (2188/4440) -> accuracy: 49.2793%

Class germany: (1298/4420) -> accuracy: 29.3665%

Class russia : (2301/4536) -> accuracy: 50.7275%

Class us : (2513/4511) -> accuracy: 55.7083%

Class france : (1811/4593) -> accuracy: 39.4296%

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Epoch: 14/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 14/20 in train step 0 = 45.0667%

Class turkey : (2200/4440) -> accuracy: 49.5495%

Class germany: (1370/4420) -> accuracy: 30.9955%

Class russia : (2287/4536) -> accuracy: 50.4189%

Class us : (2488/4511) -> accuracy: 55.1541%

Class france : (1795/4593) -> accuracy: 39.0812%

DEV accuracy on epoch 14/20 in train step 2025 = 47.4667%

Class turkey : (2746/4440) -> accuracy: 61.8468%

Class germany: (1726/4420) -> accuracy: 39.0498%

Class russia : (2655/4536) -> accuracy: 58.5317%

Class us : (1966/4511) -> accuracy: 43.5824%

Class france : (1587/4593) -> accuracy: 34.5526%

DEV accuracy on epoch 14/20 in train step 4049 = 49.1067%

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

Class germany: (1682/4420) -> accuracy: 38.0543%

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

Class us : (2290/4511) -> accuracy: 50.7648%

Class france : (1975/4593) -> accuracy: 43.0002%

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Epoch: 15/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 15/20 in train step 0 = 49.1556%

Class turkey : (2564/4440) -> accuracy: 57.7477%

Class germany: (1732/4420) -> accuracy: 39.1855%

Class russia : (2563/4536) -> accuracy: 56.5035%

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

Class france : (1952/4593) -> accuracy: 42.4995%

DEV accuracy on epoch 15/20 in train step 2025 = 50.4178%

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

Class germany: (1642/4420) -> accuracy: 37.1493%

Class russia : (2667/4536) -> accuracy: 58.7963%

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

Class france : (1876/4593) -> accuracy: 40.8448%

DEV accuracy on epoch 15/20 in train step 4049 = 51.1200%

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

Class germany: (1817/4420) -> accuracy: 41.1086%

Class russia : (2740/4536) -> accuracy: 60.4056%

Class us : (2270/4511) -> accuracy: 50.3214%

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

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Epoch: 16/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 16/20 in train step 0 = 51.1422%

Class turkey : (2678/4440) -> accuracy: 60.3153%

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

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

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

Class france : (2030/4593) -> accuracy: 44.1977%

DEV accuracy on epoch 16/20 in train step 2025 = 46.8178%

Class turkey : (2737/4440) -> accuracy: 61.6441%

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

Class russia : (2239/4536) -> accuracy: 49.3607%

Class us : (2040/4511) -> accuracy: 45.2228%

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

DEV accuracy on epoch 16/20 in train step 4049 = 46.7422%

Class turkey : (2345/4440) -> accuracy: 52.8153%

Class germany: (1474/4420) -> accuracy: 33.3484%

Class russia : (2221/4536) -> accuracy: 48.9638%

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

Class france : (1950/4593) -> accuracy: 42.4559%

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Epoch: 17/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 17/20 in train step 0 = 46.7200%

Class turkey : (2355/4440) -> accuracy: 53.0405%

Class germany: (1508/4420) -> accuracy: 34.1176%

Class russia : (2200/4536) -> accuracy: 48.5009%

Class us : (2503/4511) -> accuracy: 55.4866%

Class france : (1946/4593) -> accuracy: 42.3688%

DEV accuracy on epoch 17/20 in train step 2025 = 47.5689%

Class turkey : (2725/4440) -> accuracy: 61.3739%

Class germany: (1735/4420) -> accuracy: 39.2534%

Class russia : (2323/4536) -> accuracy: 51.2125%

Class us : (2200/4511) -> accuracy: 48.7697%

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

DEV accuracy on epoch 17/20 in train step 4049 = 47.6711%

Class turkey : (2413/4440) -> accuracy: 54.3468%

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

Class russia : (2390/4536) -> accuracy: 52.6896%

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

Class france : (1911/4593) -> accuracy: 41.6068%

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Epoch: 18/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 18/20 in train step 0 = 47.6800%

Class turkey : (2429/4440) -> accuracy: 54.7072%

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

Class russia : (2371/4536) -> accuracy: 52.2707%

Class us : (2476/4511) -> accuracy: 54.8881%

Class france : (1903/4593) -> accuracy: 41.4326%

DEV accuracy on epoch 18/20 in train step 2025 = 48.4622%

Class turkey : (2842/4440) -> accuracy: 64.0090%

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

Class russia : (2517/4536) -> accuracy: 55.4894%

Class us : (2191/4511) -> accuracy: 48.5702%

Class france : (1596/4593) -> accuracy: 34.7485%

DEV accuracy on epoch 18/20 in train step 4049 = 49.4311%

Class turkey : (2581/4440) -> accuracy: 58.1306%

Class germany: (1592/4420) -> accuracy: 36.0181%

Class russia : (2537/4536) -> accuracy: 55.9303%

Class us : (2520/4511) -> accuracy: 55.8634%

Class france : (1892/4593) -> accuracy: 41.1931%

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Epoch: 19/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 19/20 in train step 0 = 49.5067%

Class turkey : (2615/4440) -> accuracy: 58.8964%

Class germany: (1605/4420) -> accuracy: 36.3122%

Class russia : (2519/4536) -> accuracy: 55.5335%

Class us : (2506/4511) -> accuracy: 55.5531%

Class france : (1894/4593) -> accuracy: 41.2367%

DEV accuracy on epoch 19/20 in train step 2025 = 50.6311%

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

Class germany: (1672/4420) -> accuracy: 37.8281%

Class russia : (2661/4536) -> accuracy: 58.6640%

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

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

DEV accuracy on epoch 19/20 in train step 4049 = 51.7867%

Class turkey : (2793/4440) -> accuracy: 62.9054%

Class germany: (1830/4420) -> accuracy: 41.4027%

Class russia : (2652/4536) -> accuracy: 58.4656%

Class us : (2323/4511) -> accuracy: 51.4963%

Class france : (2054/4593) -> accuracy: 44.7202%

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

Epoch: 20/20 ---- best so far on epoch 5: acc=53.7733%

DEV accuracy on epoch 20/20 in train step 0 = 51.7867%

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

Class germany: (1840/4420) -> accuracy: 41.6290%

Class russia : (2626/4536) -> accuracy: 57.8924%

Class us : (2316/4511) -> accuracy: 51.3412%

Class france : (2042/4593) -> accuracy: 44.4590%

DEV accuracy on epoch 20/20 in train step 2025 = 50.4000%

Class turkey : (2497/4440) -> accuracy: 56.2387%

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

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

Class us : (2462/4511) -> accuracy: 54.5777%

Class france : (1792/4593) -> accuracy: 39.0159%

DEV accuracy on epoch 20/20 in train step 4049 = 51.3867%

Class turkey : (2538/4440) -> accuracy: 57.1622%

Class germany: (1795/4420) -> accuracy: 40.6109%

Class russia : (2775/4536) -> accuracy: 61.1772%

Class us : (2501/4511) -> accuracy: 55.4423%

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

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

\*\*\*Training is complete. Best accuracy 53.7733% 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 - (13283/25000) -> accuracy: 53.1320%

Class turkey : (3009/4971) -> accuracy: 60.5311%

Class germany: (2275/5035) -> accuracy: 45.1837%

Class russia : (3023/5020) -> accuracy: 60.2191%

Class us : (2618/4954) -> accuracy: 52.8462%

Class france : (2358/5020) -> accuracy: 46.9721%

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 50

evaluating on dev data 3 times per epoch

KEEP\_PROB 0.5

BATCH\_SIZE 50

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 53.7733333333

testing acc 53.132

Time(HH:MM:SS): 10:56:27

Leaving function \_\_main\_\_