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: 128

gru\_backward\_cell units: 128

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

DEV accuracy on epoch 1/20 in train step 0 = 19.6356%

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

Class germany: (4418/4420) -> accuracy: 99.9548%

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 19.6356% at epoch 1/20 (4418/22500)

DEV accuracy on epoch 1/20 in train step 1012 = 20.4267%

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

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

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

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

Class france : (4593/4593) -> accuracy: 100.0000%

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

INFO:root: Best accuracy 20.4267% at epoch 1/20 (4596/22500)

DEV accuracy on epoch 1/20 in train step 2024 = 20.0533%

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

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

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

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

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

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Epoch: 2/20 ---- best so far on epoch 1: acc=20.4267%

DEV accuracy on epoch 2/20 in train step 0 = 20.0533%

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

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

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

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

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

DEV accuracy on epoch 2/20 in train step 1012 = 30.0533%

Class turkey : (97/4440) -> accuracy: 2.1847%

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

Class russia : (2722/4536) -> accuracy: 60.0088%

Class us : (4/4511) -> accuracy: 0.0887%

Class france : (3939/4593) -> accuracy: 85.7609%

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

INFO:root: Best accuracy 30.0533% at epoch 2/20 (6762/22500)

DEV accuracy on epoch 2/20 in train step 2024 = 48.4044%

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

Class germany: (1445/4420) -> accuracy: 32.6923%

Class russia : (2368/4536) -> accuracy: 52.2046%

Class us : (2073/4511) -> accuracy: 45.9543%

Class france : (2249/4593) -> accuracy: 48.9658%

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

INFO:root: Best accuracy 48.4044% at epoch 2/20 (10891/22500)

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Epoch: 3/20 ---- best so far on epoch 2: acc=48.4044%

DEV accuracy on epoch 3/20 in train step 0 = 48.4267%

Class turkey : (2962/4440) -> accuracy: 66.7117%

Class germany: (1683/4420) -> accuracy: 38.0769%

Class russia : (2266/4536) -> accuracy: 49.9559%

Class us : (1851/4511) -> accuracy: 41.0330%

Class france : (2134/4593) -> accuracy: 46.4620%

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

INFO:root: Best accuracy 48.4267% at epoch 3/20 (10896/22500)

DEV accuracy on epoch 3/20 in train step 1012 = 50.9956%

Class turkey : (2816/4440) -> accuracy: 63.4234%

Class germany: (1883/4420) -> accuracy: 42.6018%

Class russia : (2713/4536) -> accuracy: 59.8104%

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

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

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

INFO:root: Best accuracy 50.9956% at epoch 3/20 (11474/22500)

DEV accuracy on epoch 3/20 in train step 2024 = 51.3556%

Class turkey : (2636/4440) -> accuracy: 59.3694%

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

Class russia : (2801/4536) -> accuracy: 61.7504%

Class us : (2383/4511) -> accuracy: 52.8264%

Class france : (1845/4593) -> accuracy: 40.1698%

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

INFO:root: Best accuracy 51.3556% at epoch 3/20 (11555/22500)

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Epoch: 4/20 ---- best so far on epoch 3: acc=51.3556%

DEV accuracy on epoch 4/20 in train step 0 = 51.8311%

Class turkey : (2883/4440) -> accuracy: 64.9324%

Class germany: (2061/4420) -> accuracy: 46.6290%

Class russia : (2675/4536) -> accuracy: 58.9727%

Class us : (2185/4511) -> accuracy: 48.4372%

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

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

INFO:root: Best accuracy 51.8311% at epoch 4/20 (11662/22500)

DEV accuracy on epoch 4/20 in train step 1012 = 52.5689%

Class turkey : (2864/4440) -> accuracy: 64.5045%

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

Class russia : (2917/4536) -> accuracy: 64.3078%

Class us : (2295/4511) -> accuracy: 50.8756%

Class france : (1948/4593) -> accuracy: 42.4124%

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

INFO:root: Best accuracy 52.5689% at epoch 4/20 (11828/22500)

DEV accuracy on epoch 4/20 in train step 2024 = 52.4533%

Class turkey : (2541/4440) -> accuracy: 57.2297%

Class germany: (1806/4420) -> accuracy: 40.8597%

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

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

Class france : (2018/4593) -> accuracy: 43.9364%

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Epoch: 5/20 ---- best so far on epoch 4: acc=52.5689%

DEV accuracy on epoch 5/20 in train step 0 = 52.7289%

Class turkey : (2654/4440) -> accuracy: 59.7748%

Class germany: (1883/4420) -> accuracy: 42.6018%

Class russia : (2713/4536) -> accuracy: 59.8104%

Class us : (2559/4511) -> accuracy: 56.7280%

Class france : (2055/4593) -> accuracy: 44.7420%

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

INFO:root: Best accuracy 52.7289% at epoch 5/20 (11864/22500)

DEV accuracy on epoch 5/20 in train step 1012 = 53.3156%

Class turkey : (2896/4440) -> accuracy: 65.2252%

Class germany: (1972/4420) -> accuracy: 44.6154%

Class russia : (3004/4536) -> accuracy: 66.2257%

Class us : (2327/4511) -> accuracy: 51.5850%

Class france : (1797/4593) -> accuracy: 39.1248%

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

INFO:root: Best accuracy 53.3156% at epoch 5/20 (11996/22500)

DEV accuracy on epoch 5/20 in train step 2024 = 53.4000%

Class turkey : (2621/4440) -> accuracy: 59.0315%

Class germany: (1941/4420) -> accuracy: 43.9140%

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

Class us : (2640/4511) -> accuracy: 58.5236%

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

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

INFO:root: Best accuracy 53.4000% at epoch 5/20 (12015/22500)

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Epoch: 6/20 ---- best so far on epoch 5: acc=53.4000%

DEV accuracy on epoch 6/20 in train step 0 = 53.5422%

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

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

Class russia : (2782/4536) -> accuracy: 61.3316%

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

Class france : (2015/4593) -> accuracy: 43.8711%

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

INFO:root: Best accuracy 53.5422% at epoch 6/20 (12047/22500)

DEV accuracy on epoch 6/20 in train step 1012 = 54.0222%

Class turkey : (2987/4440) -> accuracy: 67.2748%

Class germany: (1959/4420) -> accuracy: 44.3213%

Class russia : (2993/4536) -> accuracy: 65.9832%

Class us : (2186/4511) -> accuracy: 48.4593%

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

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

INFO:root: Best accuracy 54.0222% at epoch 6/20 (12155/22500)

DEV accuracy on epoch 6/20 in train step 2024 = 53.3600%

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

Class germany: (1943/4420) -> accuracy: 43.9593%

Class russia : (2658/4536) -> accuracy: 58.5979%

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

Class france : (1998/4593) -> accuracy: 43.5010%

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Epoch: 7/20 ---- best so far on epoch 6: acc=54.0222%

DEV accuracy on epoch 7/20 in train step 0 = 53.6178%

Class turkey : (2712/4440) -> accuracy: 61.0811%

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

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

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

Class france : (2041/4593) -> accuracy: 44.4372%

DEV accuracy on epoch 7/20 in train step 1012 = 54.1644%

Class turkey : (3015/4440) -> accuracy: 67.9054%

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

Class russia : (3002/4536) -> accuracy: 66.1817%

Class us : (2134/4511) -> accuracy: 47.3066%

Class france : (2082/4593) -> accuracy: 45.3298%

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

INFO:root: Best accuracy 54.1644% at epoch 7/20 (12187/22500)

DEV accuracy on epoch 7/20 in train step 2024 = 53.6444%

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

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

Class russia : (2733/4536) -> accuracy: 60.2513%

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

Class france : (2046/4593) -> accuracy: 44.5460%

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Epoch: 8/20 ---- best so far on epoch 7: acc=54.1644%

DEV accuracy on epoch 8/20 in train step 0 = 53.8400%

Class turkey : (2682/4440) -> accuracy: 60.4054%

Class germany: (2013/4420) -> accuracy: 45.5430%

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

Class us : (2636/4511) -> accuracy: 58.4349%

Class france : (2055/4593) -> accuracy: 44.7420%

DEV accuracy on epoch 8/20 in train step 1012 = 54.4711%

Class turkey : (2953/4440) -> accuracy: 66.5090%

Class germany: (2058/4420) -> accuracy: 46.5611%

Class russia : (2961/4536) -> accuracy: 65.2778%

Class us : (2085/4511) -> accuracy: 46.2204%

Class france : (2199/4593) -> accuracy: 47.8772%

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

INFO:root: Best accuracy 54.4711% at epoch 8/20 (12256/22500)

DEV accuracy on epoch 8/20 in train step 2024 = 54.0933%

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

Class germany: (2071/4420) -> accuracy: 46.8552%

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

Class us : (2717/4511) -> accuracy: 60.2305%

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

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Epoch: 9/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 9/20 in train step 0 = 54.1733%

Class turkey : (2701/4440) -> accuracy: 60.8333%

Class germany: (2126/4420) -> accuracy: 48.0995%

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

Class us : (2652/4511) -> accuracy: 58.7896%

Class france : (1987/4593) -> accuracy: 43.2615%

DEV accuracy on epoch 9/20 in train step 1012 = 54.3156%

Class turkey : (3087/4440) -> accuracy: 69.5270%

Class germany: (1982/4420) -> accuracy: 44.8416%

Class russia : (2912/4536) -> accuracy: 64.1975%

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

Class france : (2069/4593) -> accuracy: 45.0468%

DEV accuracy on epoch 9/20 in train step 2024 = 53.9689%

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

Class germany: (2097/4420) -> accuracy: 47.4434%

Class russia : (2797/4536) -> accuracy: 61.6623%

Class us : (2693/4511) -> accuracy: 59.6985%

Class france : (1965/4593) -> accuracy: 42.7825%

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Epoch: 10/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 10/20 in train step 0 = 54.0400%

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

Class germany: (2134/4420) -> accuracy: 48.2805%

Class russia : (2760/4536) -> accuracy: 60.8466%

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

Class france : (1982/4593) -> accuracy: 43.1526%

DEV accuracy on epoch 10/20 in train step 1012 = 54.3644%

Class turkey : (3050/4440) -> accuracy: 68.6937%

Class germany: (2055/4420) -> accuracy: 46.4932%

Class russia : (2774/4536) -> accuracy: 61.1552%

Class us : (2172/4511) -> accuracy: 48.1490%

Class france : (2181/4593) -> accuracy: 47.4853%

DEV accuracy on epoch 10/20 in train step 2024 = 53.6622%

Class turkey : (2595/4440) -> accuracy: 58.4459%

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

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

Class us : (2681/4511) -> accuracy: 59.4325%

Class france : (2034/4593) -> accuracy: 44.2848%

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Epoch: 11/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 11/20 in train step 0 = 53.6222%

Class turkey : (2635/4440) -> accuracy: 59.3468%

Class germany: (2121/4420) -> accuracy: 47.9864%

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

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

Class france : (2061/4593) -> accuracy: 44.8726%

DEV accuracy on epoch 11/20 in train step 1012 = 54.0267%

Class turkey : (3089/4440) -> accuracy: 69.5721%

Class germany: (2002/4420) -> accuracy: 45.2941%

Class russia : (2703/4536) -> accuracy: 59.5899%

Class us : (2150/4511) -> accuracy: 47.6613%

Class france : (2212/4593) -> accuracy: 48.1602%

DEV accuracy on epoch 11/20 in train step 2024 = 53.2933%

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

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

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

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

Class france : (2165/4593) -> accuracy: 47.1369%

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Epoch: 12/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 12/20 in train step 0 = 53.2844%

Class turkey : (2558/4440) -> accuracy: 57.6126%

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

Class russia : (2731/4536) -> accuracy: 60.2072%

Class us : (2582/4511) -> accuracy: 57.2379%

Class france : (2172/4593) -> accuracy: 47.2894%

DEV accuracy on epoch 12/20 in train step 1012 = 53.6667%

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

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

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

Class us : (2183/4511) -> accuracy: 48.3928%

Class france : (2156/4593) -> accuracy: 46.9410%

DEV accuracy on epoch 12/20 in train step 2024 = 52.8978%

Class turkey : (2479/4440) -> accuracy: 55.8333%

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

Class russia : (2855/4536) -> accuracy: 62.9409%

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

Class france : (2028/4593) -> accuracy: 44.1541%

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Epoch: 13/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 13/20 in train step 0 = 52.9644%

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

Class germany: (1948/4420) -> accuracy: 44.0724%

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

Class us : (2597/4511) -> accuracy: 57.5704%

Class france : (2037/4593) -> accuracy: 44.3501%

DEV accuracy on epoch 13/20 in train step 1012 = 53.1778%

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

Class germany: (1898/4420) -> accuracy: 42.9412%

Class russia : (2496/4536) -> accuracy: 55.0265%

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

Class france : (2183/4593) -> accuracy: 47.5288%

DEV accuracy on epoch 13/20 in train step 2024 = 52.6489%

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

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

Class russia : (2912/4536) -> accuracy: 64.1975%

Class us : (2648/4511) -> accuracy: 58.7010%

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

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Epoch: 14/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 14/20 in train step 0 = 52.6000%

Class turkey : (2423/4440) -> accuracy: 54.5721%

Class germany: (1915/4420) -> accuracy: 43.3258%

Class russia : (2895/4536) -> accuracy: 63.8228%

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

Class france : (1969/4593) -> accuracy: 42.8696%

DEV accuracy on epoch 14/20 in train step 1012 = 52.7689%

Class turkey : (3014/4440) -> accuracy: 67.8829%

Class germany: (1969/4420) -> accuracy: 44.5475%

Class russia : (2400/4536) -> accuracy: 52.9101%

Class us : (2286/4511) -> accuracy: 50.6761%

Class france : (2204/4593) -> accuracy: 47.9861%

DEV accuracy on epoch 14/20 in train step 2024 = 52.6711%

Class turkey : (2518/4440) -> accuracy: 56.7117%

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

Class russia : (2827/4536) -> accuracy: 62.3236%

Class us : (2560/4511) -> accuracy: 56.7502%

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

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Epoch: 15/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 15/20 in train step 0 = 52.7156%

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

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

Class russia : (2829/4536) -> accuracy: 62.3677%

Class us : (2521/4511) -> accuracy: 55.8856%

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

DEV accuracy on epoch 15/20 in train step 1012 = 52.2667%

Class turkey : (2960/4440) -> accuracy: 66.6667%

Class germany: (1957/4420) -> accuracy: 44.2760%

Class russia : (2373/4536) -> accuracy: 52.3148%

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

Class france : (2133/4593) -> accuracy: 46.4402%

DEV accuracy on epoch 15/20 in train step 2024 = 52.4133%

Class turkey : (2506/4440) -> accuracy: 56.4414%

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

Class russia : (2884/4536) -> accuracy: 63.5802%

Class us : (2534/4511) -> accuracy: 56.1738%

Class france : (1990/4593) -> accuracy: 43.3268%

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Epoch: 16/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 16/20 in train step 0 = 52.4533%

Class turkey : (2514/4440) -> accuracy: 56.6216%

Class germany: (1901/4420) -> accuracy: 43.0090%

Class russia : (2890/4536) -> accuracy: 63.7125%

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

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

DEV accuracy on epoch 16/20 in train step 1012 = 51.8400%

Class turkey : (2917/4440) -> accuracy: 65.6982%

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

Class russia : (2353/4536) -> accuracy: 51.8739%

Class us : (2294/4511) -> accuracy: 50.8535%

Class france : (2255/4593) -> accuracy: 49.0965%

DEV accuracy on epoch 16/20 in train step 2024 = 52.3022%

Class turkey : (2425/4440) -> accuracy: 54.6171%

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

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

Class us : (2571/4511) -> accuracy: 56.9940%

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

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Epoch: 17/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 17/20 in train step 0 = 52.2667%

Class turkey : (2432/4440) -> accuracy: 54.7748%

Class germany: (1921/4420) -> accuracy: 43.4615%

Class russia : (2924/4536) -> accuracy: 64.4621%

Class us : (2512/4511) -> accuracy: 55.6861%

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

DEV accuracy on epoch 17/20 in train step 1012 = 51.5200%

Class turkey : (2834/4440) -> accuracy: 63.8288%

Class germany: (1824/4420) -> accuracy: 41.2670%

Class russia : (2308/4536) -> accuracy: 50.8818%

Class us : (2440/4511) -> accuracy: 54.0900%

Class france : (2186/4593) -> accuracy: 47.5942%

DEV accuracy on epoch 17/20 in train step 2024 = 51.6933%

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

Class germany: (1866/4420) -> accuracy: 42.2172%

Class russia : (2673/4536) -> accuracy: 58.9286%

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

Class france : (1939/4593) -> accuracy: 42.2164%

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Epoch: 18/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 18/20 in train step 0 = 51.7733%

Class turkey : (2479/4440) -> accuracy: 55.8333%

Class germany: (1882/4420) -> accuracy: 42.5792%

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

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

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

DEV accuracy on epoch 18/20 in train step 1012 = 51.1644%

Class turkey : (2953/4440) -> accuracy: 66.5090%

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

Class russia : (2236/4536) -> accuracy: 49.2945%

Class us : (2373/4511) -> accuracy: 52.6047%

Class france : (2082/4593) -> accuracy: 45.3298%

DEV accuracy on epoch 18/20 in train step 2024 = 51.5956%

Class turkey : (2437/4440) -> accuracy: 54.8874%

Class germany: (1930/4420) -> accuracy: 43.6652%

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

Class us : (2599/4511) -> accuracy: 57.6147%

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

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Epoch: 19/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 19/20 in train step 0 = 51.5911%

Class turkey : (2432/4440) -> accuracy: 54.7748%

Class germany: (1955/4420) -> accuracy: 44.2308%

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

Class us : (2556/4511) -> accuracy: 56.6615%

Class france : (1926/4593) -> accuracy: 41.9334%

DEV accuracy on epoch 19/20 in train step 1012 = 51.2356%

Class turkey : (2886/4440) -> accuracy: 65.0000%

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

Class russia : (2324/4536) -> accuracy: 51.2346%

Class us : (2383/4511) -> accuracy: 52.8264%

Class france : (2095/4593) -> accuracy: 45.6129%

DEV accuracy on epoch 19/20 in train step 2024 = 51.1822%

Class turkey : (2575/4440) -> accuracy: 57.9955%

Class germany: (1810/4420) -> accuracy: 40.9502%

Class russia : (2565/4536) -> accuracy: 56.5476%

Class us : (2718/4511) -> accuracy: 60.2527%

Class france : (1848/4593) -> accuracy: 40.2351%

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

Epoch: 20/20 ---- best so far on epoch 8: acc=54.4711%

DEV accuracy on epoch 20/20 in train step 0 = 51.0400%

Class turkey : (2547/4440) -> accuracy: 57.3649%

Class germany: (1812/4420) -> accuracy: 40.9955%

Class russia : (2560/4536) -> accuracy: 56.4374%

Class us : (2727/4511) -> accuracy: 60.4522%

Class france : (1838/4593) -> accuracy: 40.0174%

DEV accuracy on epoch 20/20 in train step 1012 = 51.7289%

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

Class germany: (1801/4420) -> accuracy: 40.7466%

Class russia : (2565/4536) -> accuracy: 56.5476%

Class us : (2322/4511) -> accuracy: 51.4742%

Class france : (2109/4593) -> accuracy: 45.9177%

DEV accuracy on epoch 20/20 in train step 2024 = 51.0933%

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

Class germany: (1828/4420) -> accuracy: 41.3575%

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

Class us : (2657/4511) -> accuracy: 58.9005%

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

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

\*\*\*Training is complete. Best accuracy 54.4711% at epoch 8/20

\*\*\*Testing...

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

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

Accuracy on test set - (13382/25000) -> accuracy: 53.5280%

Class turkey : (3315/4971) -> accuracy: 66.6868%

Class germany: (2248/5035) -> accuracy: 44.6475%

Class russia : (3199/5020) -> accuracy: 63.7251%

Class us : (2243/4954) -> accuracy: 45.2765%

Class france : (2377/5020) -> accuracy: 47.3506%

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 128

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 54.4711111111

testing acc 53.528

Time(HH:MM:SS): 04:03:42

Leaving function \_\_main\_\_