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: (300, 150)

input\_labels\_batch shape: (300, 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 337 = 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%

DEV accuracy on epoch 1/20 in train step 674 = 20.0578%

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

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

Class russia : (1/4536) -> accuracy: 0.0220%

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

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

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

INFO:root: Best accuracy 20.0578% at epoch 1/20 (4513/22500)

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Epoch: 2/20 ---- best so far on epoch 1: acc=20.0578%

DEV accuracy on epoch 2/20 in train step 0 = 20.0489%

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

DEV accuracy on epoch 2/20 in train step 337 = 20.0489%

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

DEV accuracy on epoch 2/20 in train step 674 = 20.0489%

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

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Epoch: 3/20 ---- best so far on epoch 1: acc=20.0578%

DEV accuracy on epoch 3/20 in train step 0 = 20.0489%

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

DEV accuracy on epoch 3/20 in train step 337 = 20.0533%

Class turkey : (1/4440) -> accuracy: 0.0225%

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

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 3/20 in train step 674 = 36.0578%

Class turkey : (1014/4440) -> accuracy: 22.8378%

Class germany: (1679/4420) -> accuracy: 37.9864%

Class russia : (2345/4536) -> accuracy: 51.6975%

Class us : (2024/4511) -> accuracy: 44.8681%

Class france : (1051/4593) -> accuracy: 22.8826%

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

INFO:root: Best accuracy 36.0578% at epoch 3/20 (8113/22500)

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Epoch: 4/20 ---- best so far on epoch 3: acc=36.0578%

DEV accuracy on epoch 4/20 in train step 0 = 35.9689%

Class turkey : (958/4440) -> accuracy: 21.5766%

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

Class russia : (2086/4536) -> accuracy: 45.9877%

Class us : (2124/4511) -> accuracy: 47.0849%

Class france : (1082/4593) -> accuracy: 23.5576%

DEV accuracy on epoch 4/20 in train step 337 = 46.9600%

Class turkey : (3067/4440) -> accuracy: 69.0766%

Class germany: (1231/4420) -> accuracy: 27.8507%

Class russia : (2131/4536) -> accuracy: 46.9797%

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

Class france : (1480/4593) -> accuracy: 32.2229%

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

INFO:root: Best accuracy 46.9600% at epoch 4/20 (10566/22500)

DEV accuracy on epoch 4/20 in train step 674 = 48.3689%

Class turkey : (2282/4440) -> accuracy: 51.3964%

Class germany: (1537/4420) -> accuracy: 34.7738%

Class russia : (2897/4536) -> accuracy: 63.8668%

Class us : (2929/4511) -> accuracy: 64.9302%

Class france : (1238/4593) -> accuracy: 26.9541%

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

INFO:root: Best accuracy 48.3689% at epoch 4/20 (10883/22500)

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Epoch: 5/20 ---- best so far on epoch 4: acc=48.3689%

DEV accuracy on epoch 5/20 in train step 0 = 49.3511%

Class turkey : (2428/4440) -> accuracy: 54.6847%

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

Class russia : (2748/4536) -> accuracy: 60.5820%

Class us : (2629/4511) -> accuracy: 58.2798%

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

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

INFO:root: Best accuracy 49.3511% at epoch 5/20 (11104/22500)

DEV accuracy on epoch 5/20 in train step 337 = 49.5378%

Class turkey : (3299/4440) -> accuracy: 74.3018%

Class germany: (1761/4420) -> accuracy: 39.8416%

Class russia : (2151/4536) -> accuracy: 47.4206%

Class us : (2418/4511) -> accuracy: 53.6023%

Class france : (1517/4593) -> accuracy: 33.0285%

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

INFO:root: Best accuracy 49.5378% at epoch 5/20 (11146/22500)

DEV accuracy on epoch 5/20 in train step 674 = 50.6356%

Class turkey : (2611/4440) -> accuracy: 58.8063%

Class germany: (1692/4420) -> accuracy: 38.2805%

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

Class us : (2859/4511) -> accuracy: 63.3784%

Class france : (1473/4593) -> accuracy: 32.0705%

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

INFO:root: Best accuracy 50.6356% at epoch 5/20 (11393/22500)

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Epoch: 6/20 ---- best so far on epoch 5: acc=50.6356%

DEV accuracy on epoch 6/20 in train step 0 = 50.9600%

Class turkey : (2618/4440) -> accuracy: 58.9640%

Class germany: (1892/4420) -> accuracy: 42.8054%

Class russia : (2633/4536) -> accuracy: 58.0467%

Class us : (2778/4511) -> accuracy: 61.5828%

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

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

INFO:root: Best accuracy 50.9600% at epoch 6/20 (11466/22500)

DEV accuracy on epoch 6/20 in train step 337 = 50.9733%

Class turkey : (3109/4440) -> accuracy: 70.0225%

Class germany: (1547/4420) -> accuracy: 35.0000%

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

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

Class france : (1759/4593) -> accuracy: 38.2974%

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

INFO:root: Best accuracy 50.9733% at epoch 6/20 (11469/22500)

DEV accuracy on epoch 6/20 in train step 674 = 51.6578%

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

Class germany: (1657/4420) -> accuracy: 37.4887%

Class russia : (2807/4536) -> accuracy: 61.8827%

Class us : (2677/4511) -> accuracy: 59.3438%

Class france : (1699/4593) -> accuracy: 36.9911%

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

INFO:root: Best accuracy 51.6578% at epoch 6/20 (11623/22500)

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Epoch: 7/20 ---- best so far on epoch 6: acc=51.6578%

DEV accuracy on epoch 7/20 in train step 0 = 51.7822%

Class turkey : (2854/4440) -> accuracy: 64.2793%

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

Class russia : (2575/4536) -> accuracy: 56.7681%

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

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

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

INFO:root: Best accuracy 51.7822% at epoch 7/20 (11651/22500)

DEV accuracy on epoch 7/20 in train step 337 = 51.6844%

Class turkey : (2968/4440) -> accuracy: 66.8468%

Class germany: (1528/4420) -> accuracy: 34.5701%

Class russia : (2486/4536) -> accuracy: 54.8060%

Class us : (2841/4511) -> accuracy: 62.9794%

Class france : (1806/4593) -> accuracy: 39.3207%

DEV accuracy on epoch 7/20 in train step 674 = 52.6044%

Class turkey : (2747/4440) -> accuracy: 61.8694%

Class germany: (1671/4420) -> accuracy: 37.8054%

Class russia : (3049/4536) -> accuracy: 67.2178%

Class us : (2567/4511) -> accuracy: 56.9053%

Class france : (1802/4593) -> accuracy: 39.2336%

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

INFO:root: Best accuracy 52.6044% at epoch 7/20 (11836/22500)

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Epoch: 8/20 ---- best so far on epoch 7: acc=52.6044%

DEV accuracy on epoch 8/20 in train step 0 = 52.7378%

Class turkey : (2774/4440) -> accuracy: 62.4775%

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

Class russia : (2846/4536) -> accuracy: 62.7425%

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

Class france : (1801/4593) -> accuracy: 39.2118%

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

INFO:root: Best accuracy 52.7378% at epoch 8/20 (11866/22500)

DEV accuracy on epoch 8/20 in train step 337 = 52.3289%

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

Class germany: (1525/4420) -> accuracy: 34.5023%

Class russia : (2532/4536) -> accuracy: 55.8201%

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

Class france : (1956/4593) -> accuracy: 42.5865%

DEV accuracy on epoch 8/20 in train step 674 = 52.5467%

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

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

Class russia : (3114/4536) -> accuracy: 68.6508%

Class us : (2655/4511) -> accuracy: 58.8561%

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

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Epoch: 9/20 ---- best so far on epoch 8: acc=52.7378%

DEV accuracy on epoch 9/20 in train step 0 = 52.9156%

Class turkey : (2823/4440) -> accuracy: 63.5811%

Class germany: (1607/4420) -> accuracy: 36.3575%

Class russia : (2934/4536) -> accuracy: 64.6825%

Class us : (2719/4511) -> accuracy: 60.2749%

Class france : (1823/4593) -> accuracy: 39.6908%

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

INFO:root: Best accuracy 52.9156% at epoch 9/20 (11906/22500)

DEV accuracy on epoch 9/20 in train step 337 = 52.6311%

Class turkey : (2934/4440) -> accuracy: 66.0811%

Class germany: (1612/4420) -> accuracy: 36.4706%

Class russia : (2529/4536) -> accuracy: 55.7540%

Class us : (2874/4511) -> accuracy: 63.7109%

Class france : (1893/4593) -> accuracy: 41.2149%

DEV accuracy on epoch 9/20 in train step 674 = 53.0978%

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

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

Class russia : (3058/4536) -> accuracy: 67.4162%

Class us : (2714/4511) -> accuracy: 60.1640%

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

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

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

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Epoch: 10/20 ---- best so far on epoch 9: acc=53.0978%

DEV accuracy on epoch 10/20 in train step 0 = 53.1956%

Class turkey : (2719/4440) -> accuracy: 61.2387%

Class germany: (1705/4420) -> accuracy: 38.5747%

Class russia : (2908/4536) -> accuracy: 64.1093%

Class us : (2790/4511) -> accuracy: 61.8488%

Class france : (1847/4593) -> accuracy: 40.2134%

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

INFO:root: Best accuracy 53.1956% at epoch 10/20 (11969/22500)

DEV accuracy on epoch 10/20 in train step 337 = 53.1111%

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

Class germany: (1641/4420) -> accuracy: 37.1267%

Class russia : (2513/4536) -> accuracy: 55.4012%

Class us : (2872/4511) -> accuracy: 63.6666%

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

DEV accuracy on epoch 10/20 in train step 674 = 53.2356%

Class turkey : (2672/4440) -> accuracy: 60.1802%

Class germany: (1661/4420) -> accuracy: 37.5792%

Class russia : (2995/4536) -> accuracy: 66.0273%

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

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

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

INFO:root: Best accuracy 53.2356% at epoch 10/20 (11978/22500)

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Epoch: 11/20 ---- best so far on epoch 10: acc=53.2356%

DEV accuracy on epoch 11/20 in train step 0 = 53.2489%

Class turkey : (2732/4440) -> accuracy: 61.5315%

Class germany: (1677/4420) -> accuracy: 37.9412%

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

Class us : (2829/4511) -> accuracy: 62.7134%

Class france : (1855/4593) -> accuracy: 40.3875%

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

INFO:root: Best accuracy 53.2489% at epoch 11/20 (11981/22500)

DEV accuracy on epoch 11/20 in train step 337 = 53.5511%

Class turkey : (2948/4440) -> accuracy: 66.3964%

Class germany: (1699/4420) -> accuracy: 38.4389%

Class russia : (2572/4536) -> accuracy: 56.7019%

Class us : (2794/4511) -> accuracy: 61.9375%

Class france : (2036/4593) -> accuracy: 44.3283%

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

INFO:root: Best accuracy 53.5511% at epoch 11/20 (12049/22500)

DEV accuracy on epoch 11/20 in train step 674 = 53.4889%

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

Class germany: (1644/4420) -> accuracy: 37.1946%

Class russia : (3073/4536) -> accuracy: 67.7469%

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

Class france : (2065/4593) -> accuracy: 44.9597%

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Epoch: 12/20 ---- best so far on epoch 11: acc=53.5511%

DEV accuracy on epoch 12/20 in train step 0 = 53.5200%

Class turkey : (2680/4440) -> accuracy: 60.3604%

Class germany: (1588/4420) -> accuracy: 35.9276%

Class russia : (2992/4536) -> accuracy: 65.9612%

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

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

DEV accuracy on epoch 12/20 in train step 337 = 53.6667%

Class turkey : (3010/4440) -> accuracy: 67.7928%

Class germany: (1823/4420) -> accuracy: 41.2443%

Class russia : (2533/4536) -> accuracy: 55.8422%

Class us : (2817/4511) -> accuracy: 62.4474%

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

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 12

INFO:root: Best accuracy 53.6667% at epoch 12/20 (12075/22500)

DEV accuracy on epoch 12/20 in train step 674 = 53.9067%

Class turkey : (2748/4440) -> accuracy: 61.8919%

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

Class russia : (3062/4536) -> accuracy: 67.5044%

Class us : (2605/4511) -> accuracy: 57.7477%

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

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 12

INFO:root: Best accuracy 53.9067% at epoch 12/20 (12129/22500)

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Epoch: 13/20 ---- best so far on epoch 12: acc=53.9067%

DEV accuracy on epoch 13/20 in train step 0 = 53.8133%

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

Class germany: (1720/4420) -> accuracy: 38.9140%

Class russia : (2985/4536) -> accuracy: 65.8069%

Class us : (2702/4511) -> accuracy: 59.8980%

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

DEV accuracy on epoch 13/20 in train step 337 = 53.7867%

Class turkey : (2968/4440) -> accuracy: 66.8468%

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

Class russia : (2530/4536) -> accuracy: 55.7760%

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

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

DEV accuracy on epoch 13/20 in train step 674 = 53.9289%

Class turkey : (2646/4440) -> accuracy: 59.5946%

Class germany: (1834/4420) -> accuracy: 41.4932%

Class russia : (3056/4536) -> accuracy: 67.3721%

Class us : (2565/4511) -> accuracy: 56.8610%

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

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 13

INFO:root: Best accuracy 53.9289% at epoch 13/20 (12134/22500)

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Epoch: 14/20 ---- best so far on epoch 13: acc=53.9289%

DEV accuracy on epoch 14/20 in train step 0 = 53.8044%

Class turkey : (2646/4440) -> accuracy: 59.5946%

Class germany: (1787/4420) -> accuracy: 40.4299%

Class russia : (3003/4536) -> accuracy: 66.2037%

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

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

DEV accuracy on epoch 14/20 in train step 337 = 53.7111%

Class turkey : (3023/4440) -> accuracy: 68.0856%

Class germany: (2022/4420) -> accuracy: 45.7466%

Class russia : (2443/4536) -> accuracy: 53.8580%

Class us : (2675/4511) -> accuracy: 59.2995%

Class france : (1922/4593) -> accuracy: 41.8463%

DEV accuracy on epoch 14/20 in train step 674 = 54.2222%

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

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

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

Class us : (2519/4511) -> accuracy: 55.8413%

Class france : (2014/4593) -> accuracy: 43.8493%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 14

INFO:root: Best accuracy 54.2222% at epoch 14/20 (12200/22500)

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Epoch: 15/20 ---- best so far on epoch 14: acc=54.2222%

DEV accuracy on epoch 15/20 in train step 0 = 54.1333%

Class turkey : (2731/4440) -> accuracy: 61.5090%

Class germany: (1878/4420) -> accuracy: 42.4887%

Class russia : (2949/4536) -> accuracy: 65.0132%

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

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

DEV accuracy on epoch 15/20 in train step 337 = 53.8222%

Class turkey : (2986/4440) -> accuracy: 67.2523%

Class germany: (1924/4420) -> accuracy: 43.5294%

Class russia : (2478/4536) -> accuracy: 54.6296%

Class us : (2710/4511) -> accuracy: 60.0754%

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

DEV accuracy on epoch 15/20 in train step 674 = 54.0978%

Class turkey : (2670/4440) -> accuracy: 60.1351%

Class germany: (1825/4420) -> accuracy: 41.2896%

Class russia : (3008/4536) -> accuracy: 66.3139%

Class us : (2638/4511) -> accuracy: 58.4793%

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

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Epoch: 16/20 ---- best so far on epoch 14: acc=54.2222%

DEV accuracy on epoch 16/20 in train step 0 = 53.8933%

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

Class germany: (1747/4420) -> accuracy: 39.5249%

Class russia : (2957/4536) -> accuracy: 65.1896%

Class us : (2691/4511) -> accuracy: 59.6542%

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

DEV accuracy on epoch 16/20 in train step 337 = 53.8178%

Class turkey : (3001/4440) -> accuracy: 67.5901%

Class germany: (1916/4420) -> accuracy: 43.3484%

Class russia : (2504/4536) -> accuracy: 55.2028%

Class us : (2596/4511) -> accuracy: 57.5482%

Class france : (2092/4593) -> accuracy: 45.5476%

DEV accuracy on epoch 16/20 in train step 674 = 54.1333%

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

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

Class russia : (2981/4536) -> accuracy: 65.7187%

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

Class france : (2090/4593) -> accuracy: 45.5040%

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Epoch: 17/20 ---- best so far on epoch 14: acc=54.2222%

DEV accuracy on epoch 17/20 in train step 0 = 54.0978%

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

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

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

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

Class france : (2058/4593) -> accuracy: 44.8073%

DEV accuracy on epoch 17/20 in train step 337 = 53.3644%

Class turkey : (3028/4440) -> accuracy: 68.1982%

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

Class russia : (2500/4536) -> accuracy: 55.1146%

Class us : (2615/4511) -> accuracy: 57.9694%

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

DEV accuracy on epoch 17/20 in train step 674 = 54.1467%

Class turkey : (2663/4440) -> accuracy: 59.9775%

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

Class russia : (3009/4536) -> accuracy: 66.3360%

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

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

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Epoch: 18/20 ---- best so far on epoch 14: acc=54.2222%

DEV accuracy on epoch 18/20 in train step 0 = 54.0844%

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

Class germany: (1927/4420) -> accuracy: 43.5973%

Class russia : (3012/4536) -> accuracy: 66.4021%

Class us : (2366/4511) -> accuracy: 52.4496%

Class france : (2224/4593) -> accuracy: 48.4215%

DEV accuracy on epoch 18/20 in train step 337 = 53.5600%

Class turkey : (2951/4440) -> accuracy: 66.4640%

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

Class russia : (2446/4536) -> accuracy: 53.9242%

Class us : (2655/4511) -> accuracy: 58.8561%

Class france : (1999/4593) -> accuracy: 43.5228%

DEV accuracy on epoch 18/20 in train step 674 = 54.3422%

Class turkey : (2748/4440) -> accuracy: 61.8919%

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

Class russia : (2995/4536) -> accuracy: 66.0273%

Class us : (2289/4511) -> accuracy: 50.7426%

Class france : (2135/4593) -> accuracy: 46.4838%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 18

INFO:root: Best accuracy 54.3422% at epoch 18/20 (12227/22500)

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

Epoch: 19/20 ---- best so far on epoch 18: acc=54.3422%

DEV accuracy on epoch 19/20 in train step 0 = 54.1422%

Class turkey : (2705/4440) -> accuracy: 60.9234%

Class germany: (1999/4420) -> accuracy: 45.2262%

Class russia : (2971/4536) -> accuracy: 65.4982%

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

Class france : (2119/4593) -> accuracy: 46.1354%

DEV accuracy on epoch 19/20 in train step 337 = 53.3422%

Class turkey : (2829/4440) -> accuracy: 63.7162%

Class germany: (2067/4420) -> accuracy: 46.7647%

Class russia : (2465/4536) -> accuracy: 54.3430%

Class us : (2598/4511) -> accuracy: 57.5926%

Class france : (2043/4593) -> accuracy: 44.4807%

DEV accuracy on epoch 19/20 in train step 674 = 53.7600%

Class turkey : (2807/4440) -> accuracy: 63.2207%

Class germany: (1887/4420) -> accuracy: 42.6923%

Class russia : (3008/4536) -> accuracy: 66.3139%

Class us : (2239/4511) -> accuracy: 49.6342%

Class france : (2155/4593) -> accuracy: 46.9192%

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

Epoch: 20/20 ---- best so far on epoch 18: acc=54.3422%

DEV accuracy on epoch 20/20 in train step 0 = 53.7644%

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

Class germany: (1837/4420) -> accuracy: 41.5611%

Class russia : (2975/4536) -> accuracy: 65.5864%

Class us : (2374/4511) -> accuracy: 52.6269%

Class france : (2155/4593) -> accuracy: 46.9192%

DEV accuracy on epoch 20/20 in train step 337 = 53.2978%

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

Class germany: (1968/4420) -> accuracy: 44.5249%

Class russia : (2508/4536) -> accuracy: 55.2910%

Class us : (2588/4511) -> accuracy: 57.3709%

Class france : (2064/4593) -> accuracy: 44.9379%

DEV accuracy on epoch 20/20 in train step 674 = 53.8044%

Class turkey : (2710/4440) -> accuracy: 61.0360%

Class germany: (2074/4420) -> accuracy: 46.9231%

Class russia : (2964/4536) -> accuracy: 65.3439%

Class us : (2259/4511) -> accuracy: 50.0776%

Class france : (2099/4593) -> accuracy: 45.7000%

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

\*\*\*Training is complete. Best accuracy 54.3422% at epoch 18/20

\*\*\*Testing...

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

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

Accuracy on test set - (13338/24900) -> accuracy: 53.5663%

Class turkey : (3013/4953) -> accuracy: 60.8318%

Class germany: (2288/5018) -> accuracy: 45.5959%

Class russia : (3280/4997) -> accuracy: 65.6394%

Class us : (2481/4935) -> accuracy: 50.2736%

Class france : (2276/4997) -> accuracy: 45.5473%

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 300

evaluating on dev data 3 times per epoch

KEEP\_PROB 0.5

BATCH\_SIZE 300

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 54.3422222222

testing acc 53.5662650602

Time(HH:MM:SS): 02:03:10

Leaving function \_\_main\_\_