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: (200, 150)

input\_labels\_batch shape: (200, 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 = 20.4062%

Class turkey : (0/4422) -> accuracy: 0.0000%

Class germany: (0/4405) -> accuracy: 0.0000%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (1/4495) -> accuracy: 0.0222%

Class france : (4570/4572) -> accuracy: 99.9563%

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

INFO:root: Best accuracy 20.4062% at epoch 1/20 (4571/22400)

DEV accuracy on epoch 1/20 in train step 506 = 19.6652%

Class turkey : (1/4422) -> accuracy: 0.0226%

Class germany: (4402/4405) -> accuracy: 99.9319%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (1/4495) -> accuracy: 0.0222%

Class france : (1/4572) -> accuracy: 0.0219%

DEV accuracy on epoch 1/20 in train step 1011 = 19.6741%

Class turkey : (0/4422) -> accuracy: 0.0000%

Class germany: (4394/4405) -> accuracy: 99.7503%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (13/4495) -> accuracy: 0.2892%

Class france : (0/4572) -> accuracy: 0.0000%

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Epoch: 2/20 ---- best so far on epoch 1: acc=20.4062%

DEV accuracy on epoch 2/20 in train step 0 = 20.1250%

Class turkey : (0/4422) -> accuracy: 0.0000%

Class germany: (16/4405) -> accuracy: 0.3632%

Class russia : (0/4506) -> accuracy: 0.0000%

Class us : (4492/4495) -> accuracy: 99.9333%

Class france : (0/4572) -> accuracy: 0.0000%

DEV accuracy on epoch 2/20 in train step 1011 = 45.8125%

Class turkey : (2096/4422) -> accuracy: 47.3994%

Class germany: (1394/4405) -> accuracy: 31.6459%

Class russia : (2823/4506) -> accuracy: 62.6498%

Class us : (2728/4495) -> accuracy: 60.6897%

Class france : (1221/4572) -> accuracy: 26.7060%

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

INFO:root: Best accuracy 45.8125% at epoch 2/20 (10262/22400)

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Epoch: 3/20 ---- best so far on epoch 2: acc=45.8125%

DEV accuracy on epoch 3/20 in train step 0 = 45.8527%

Class turkey : (2165/4422) -> accuracy: 48.9597%

Class germany: (1428/4405) -> accuracy: 32.4177%

Class russia : (2609/4506) -> accuracy: 57.9006%

Class us : (2784/4495) -> accuracy: 61.9355%

Class france : (1285/4572) -> accuracy: 28.1059%

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

INFO:root: Best accuracy 45.8527% at epoch 3/20 (10271/22400)

DEV accuracy on epoch 3/20 in train step 506 = 48.7946%

Class turkey : (2869/4422) -> accuracy: 64.8801%

Class germany: (1526/4405) -> accuracy: 34.6425%

Class russia : (2750/4506) -> accuracy: 61.0297%

Class us : (2075/4495) -> accuracy: 46.1624%

Class france : (1710/4572) -> accuracy: 37.4016%

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

INFO:root: Best accuracy 48.7946% at epoch 3/20 (10930/22400)

DEV accuracy on epoch 3/20 in train step 1011 = 49.2054%

Class turkey : (2291/4422) -> accuracy: 51.8091%

Class germany: (1908/4405) -> accuracy: 43.3144%

Class russia : (2872/4506) -> accuracy: 63.7372%

Class us : (2632/4495) -> accuracy: 58.5539%

Class france : (1319/4572) -> accuracy: 28.8495%

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

INFO:root: Best accuracy 49.2054% at epoch 3/20 (11022/22400)

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Epoch: 4/20 ---- best so far on epoch 3: acc=49.2054%

DEV accuracy on epoch 4/20 in train step 0 = 49.2188%

Class turkey : (2365/4422) -> accuracy: 53.4826%

Class germany: (1911/4405) -> accuracy: 43.3825%

Class russia : (2673/4506) -> accuracy: 59.3209%

Class us : (2743/4495) -> accuracy: 61.0234%

Class france : (1333/4572) -> accuracy: 29.1557%

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

INFO:root: Best accuracy 49.2188% at epoch 4/20 (11025/22400)

DEV accuracy on epoch 4/20 in train step 506 = 50.5625%

Class turkey : (2970/4422) -> accuracy: 67.1642%

Class germany: (1919/4405) -> accuracy: 43.5641%

Class russia : (2683/4506) -> accuracy: 59.5428%

Class us : (2239/4495) -> accuracy: 49.8109%

Class france : (1515/4572) -> accuracy: 33.1365%

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

INFO:root: Best accuracy 50.5625% at epoch 4/20 (11326/22400)

DEV accuracy on epoch 4/20 in train step 1011 = 50.1741%

Class turkey : (2207/4422) -> accuracy: 49.9095%

Class germany: (2079/4405) -> accuracy: 47.1964%

Class russia : (2737/4506) -> accuracy: 60.7412%

Class us : (2683/4495) -> accuracy: 59.6885%

Class france : (1533/4572) -> accuracy: 33.5302%

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Epoch: 5/20 ---- best so far on epoch 4: acc=50.5625%

DEV accuracy on epoch 5/20 in train step 0 = 50.1518%

Class turkey : (2275/4422) -> accuracy: 51.4473%

Class germany: (2173/4405) -> accuracy: 49.3303%

Class russia : (2592/4506) -> accuracy: 57.5233%

Class us : (2692/4495) -> accuracy: 59.8888%

Class france : (1502/4572) -> accuracy: 32.8521%

DEV accuracy on epoch 5/20 in train step 506 = 51.3036%

Class turkey : (2988/4422) -> accuracy: 67.5712%

Class germany: (1660/4405) -> accuracy: 37.6844%

Class russia : (2569/4506) -> accuracy: 57.0129%

Class us : (2398/4495) -> accuracy: 53.3482%

Class france : (1877/4572) -> accuracy: 41.0542%

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

INFO:root: Best accuracy 51.3036% at epoch 5/20 (11492/22400)

DEV accuracy on epoch 5/20 in train step 1011 = 51.2902%

Class turkey : (2397/4422) -> accuracy: 54.2062%

Class germany: (1900/4405) -> accuracy: 43.1328%

Class russia : (2955/4506) -> accuracy: 65.5792%

Class us : (2546/4495) -> accuracy: 56.6407%

Class france : (1691/4572) -> accuracy: 36.9860%

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Epoch: 6/20 ---- best so far on epoch 5: acc=51.3036%

DEV accuracy on epoch 6/20 in train step 0 = 51.1562%

Class turkey : (2424/4422) -> accuracy: 54.8168%

Class germany: (1960/4405) -> accuracy: 44.4949%

Class russia : (2765/4506) -> accuracy: 61.3626%

Class us : (2659/4495) -> accuracy: 59.1546%

Class france : (1651/4572) -> accuracy: 36.1111%

DEV accuracy on epoch 6/20 in train step 506 = 51.9911%

Class turkey : (2896/4422) -> accuracy: 65.4907%

Class germany: (1869/4405) -> accuracy: 42.4291%

Class russia : (2580/4506) -> accuracy: 57.2570%

Class us : (2410/4495) -> accuracy: 53.6151%

Class france : (1891/4572) -> accuracy: 41.3605%

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

INFO:root: Best accuracy 51.9911% at epoch 6/20 (11646/22400)

DEV accuracy on epoch 6/20 in train step 1011 = 51.5804%

Class turkey : (2400/4422) -> accuracy: 54.2741%

Class germany: (1978/4405) -> accuracy: 44.9035%

Class russia : (2919/4506) -> accuracy: 64.7803%

Class us : (2638/4495) -> accuracy: 58.6874%

Class france : (1619/4572) -> accuracy: 35.4112%

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Epoch: 7/20 ---- best so far on epoch 6: acc=51.9911%

DEV accuracy on epoch 7/20 in train step 0 = 51.7188%

Class turkey : (2429/4422) -> accuracy: 54.9299%

Class germany: (2078/4405) -> accuracy: 47.1737%

Class russia : (2829/4506) -> accuracy: 62.7830%

Class us : (2650/4495) -> accuracy: 58.9544%

Class france : (1599/4572) -> accuracy: 34.9738%

DEV accuracy on epoch 7/20 in train step 506 = 52.2054%

Class turkey : (2982/4422) -> accuracy: 67.4355%

Class germany: (1687/4405) -> accuracy: 38.2974%

Class russia : (2648/4506) -> accuracy: 58.7661%

Class us : (2343/4495) -> accuracy: 52.1246%

Class france : (2034/4572) -> accuracy: 44.4882%

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

INFO:root: Best accuracy 52.2054% at epoch 7/20 (11694/22400)

DEV accuracy on epoch 7/20 in train step 1011 = 52.3839%

Class turkey : (2490/4422) -> accuracy: 56.3094%

Class germany: (1782/4405) -> accuracy: 40.4540%

Class russia : (2907/4506) -> accuracy: 64.5140%

Class us : (2619/4495) -> accuracy: 58.2647%

Class france : (1936/4572) -> accuracy: 42.3447%

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

INFO:root: Best accuracy 52.3839% at epoch 7/20 (11734/22400)

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Epoch: 8/20 ---- best so far on epoch 7: acc=52.3839%

DEV accuracy on epoch 8/20 in train step 0 = 52.2321%

Class turkey : (2488/4422) -> accuracy: 56.2641%

Class germany: (1832/4405) -> accuracy: 41.5891%

Class russia : (2801/4506) -> accuracy: 62.1616%

Class us : (2686/4495) -> accuracy: 59.7553%

Class france : (1893/4572) -> accuracy: 41.4042%

DEV accuracy on epoch 8/20 in train step 506 = 52.1027%

Class turkey : (3045/4422) -> accuracy: 68.8602%

Class germany: (1649/4405) -> accuracy: 37.4347%

Class russia : (2494/4506) -> accuracy: 55.3484%

Class us : (2581/4495) -> accuracy: 57.4194%

Class france : (1902/4572) -> accuracy: 41.6010%

DEV accuracy on epoch 8/20 in train step 1011 = 52.3482%

Class turkey : (2435/4422) -> accuracy: 55.0656%

Class germany: (1730/4405) -> accuracy: 39.2736%

Class russia : (3109/4506) -> accuracy: 68.9969%

Class us : (2519/4495) -> accuracy: 56.0400%

Class france : (1933/4572) -> accuracy: 42.2791%

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Epoch: 9/20 ---- best so far on epoch 7: acc=52.3839%

DEV accuracy on epoch 9/20 in train step 0 = 52.4330%

Class turkey : (2469/4422) -> accuracy: 55.8345%

Class germany: (1806/4405) -> accuracy: 40.9989%

Class russia : (3006/4506) -> accuracy: 66.7111%

Class us : (2595/4495) -> accuracy: 57.7308%

Class france : (1869/4572) -> accuracy: 40.8793%

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

INFO:root: Best accuracy 52.4330% at epoch 9/20 (11745/22400)

DEV accuracy on epoch 9/20 in train step 506 = 52.4152%

Class turkey : (3027/4422) -> accuracy: 68.4532%

Class germany: (1741/4405) -> accuracy: 39.5233%

Class russia : (2518/4506) -> accuracy: 55.8810%

Class us : (2580/4495) -> accuracy: 57.3971%

Class france : (1875/4572) -> accuracy: 41.0105%

DEV accuracy on epoch 9/20 in train step 1011 = 52.4420%

Class turkey : (2466/4422) -> accuracy: 55.7666%

Class germany: (1698/4405) -> accuracy: 38.5471%

Class russia : (3021/4506) -> accuracy: 67.0439%

Class us : (2679/4495) -> accuracy: 59.5996%

Class france : (1883/4572) -> accuracy: 41.1855%

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

INFO:root: Best accuracy 52.4420% at epoch 9/20 (11747/22400)

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Epoch: 10/20 ---- best so far on epoch 9: acc=52.4420%

DEV accuracy on epoch 10/20 in train step 0 = 52.4598%

Class turkey : (2475/4422) -> accuracy: 55.9701%

Class germany: (1802/4405) -> accuracy: 40.9081%

Class russia : (2911/4506) -> accuracy: 64.6028%

Class us : (2700/4495) -> accuracy: 60.0667%

Class france : (1863/4572) -> accuracy: 40.7480%

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

INFO:root: Best accuracy 52.4598% at epoch 10/20 (11751/22400)

DEV accuracy on epoch 10/20 in train step 506 = 52.4955%

Class turkey : (3062/4422) -> accuracy: 69.2447%

Class germany: (1695/4405) -> accuracy: 38.4790%

Class russia : (2548/4506) -> accuracy: 56.5468%

Class us : (2532/4495) -> accuracy: 56.3293%

Class france : (1922/4572) -> accuracy: 42.0385%

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

INFO:root: Best accuracy 52.4955% at epoch 10/20 (11759/22400)

DEV accuracy on epoch 10/20 in train step 1011 = 52.7857%

Class turkey : (2516/4422) -> accuracy: 56.8973%

Class germany: (1861/4405) -> accuracy: 42.2474%

Class russia : (3030/4506) -> accuracy: 67.2437%

Class us : (2578/4495) -> accuracy: 57.3526%

Class france : (1839/4572) -> accuracy: 40.2231%

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

INFO:root: Best accuracy 52.7857% at epoch 10/20 (11824/22400)

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Epoch: 11/20 ---- best so far on epoch 10: acc=52.7857%

DEV accuracy on epoch 11/20 in train step 0 = 52.7366%

Class turkey : (2507/4422) -> accuracy: 56.6938%

Class germany: (1966/4405) -> accuracy: 44.6311%

Class russia : (2953/4506) -> accuracy: 65.5348%

Class us : (2591/4495) -> accuracy: 57.6418%

Class france : (1796/4572) -> accuracy: 39.2826%

DEV accuracy on epoch 11/20 in train step 506 = 52.9196%

Class turkey : (3022/4422) -> accuracy: 68.3401%

Class germany: (1723/4405) -> accuracy: 39.1146%

Class russia : (2567/4506) -> accuracy: 56.9685%

Class us : (2600/4495) -> accuracy: 57.8420%

Class france : (1942/4572) -> accuracy: 42.4759%

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

INFO:root: Best accuracy 52.9196% at epoch 11/20 (11854/22400)

DEV accuracy on epoch 11/20 in train step 1011 = 52.9688%

Class turkey : (2559/4422) -> accuracy: 57.8697%

Class germany: (1871/4405) -> accuracy: 42.4745%

Class russia : (2987/4506) -> accuracy: 66.2894%

Class us : (2561/4495) -> accuracy: 56.9744%

Class france : (1887/4572) -> accuracy: 41.2730%

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

INFO:root: Best accuracy 52.9688% at epoch 11/20 (11865/22400)

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Epoch: 12/20 ---- best so far on epoch 11: acc=52.9688%

DEV accuracy on epoch 12/20 in train step 0 = 52.9464%

Class turkey : (2557/4422) -> accuracy: 57.8245%

Class germany: (1901/4405) -> accuracy: 43.1555%

Class russia : (2898/4506) -> accuracy: 64.3142%

Class us : (2614/4495) -> accuracy: 58.1535%

Class france : (1890/4572) -> accuracy: 41.3386%

DEV accuracy on epoch 12/20 in train step 506 = 52.7188%

Class turkey : (3039/4422) -> accuracy: 68.7246%

Class germany: (1643/4405) -> accuracy: 37.2985%

Class russia : (2500/4506) -> accuracy: 55.4816%

Class us : (2706/4495) -> accuracy: 60.2002%

Class france : (1921/4572) -> accuracy: 42.0166%

DEV accuracy on epoch 12/20 in train step 1011 = 52.7812%

Class turkey : (2542/4422) -> accuracy: 57.4853%

Class germany: (1669/4405) -> accuracy: 37.8888%

Class russia : (2984/4506) -> accuracy: 66.2228%

Class us : (2679/4495) -> accuracy: 59.5996%

Class france : (1949/4572) -> accuracy: 42.6290%

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Epoch: 13/20 ---- best so far on epoch 11: acc=52.9688%

DEV accuracy on epoch 13/20 in train step 0 = 52.8348%

Class turkey : (2541/4422) -> accuracy: 57.4627%

Class germany: (1736/4405) -> accuracy: 39.4098%

Class russia : (2932/4506) -> accuracy: 65.0688%

Class us : (2669/4495) -> accuracy: 59.3771%

Class france : (1957/4572) -> accuracy: 42.8040%

DEV accuracy on epoch 13/20 in train step 506 = 53.1518%

Class turkey : (3047/4422) -> accuracy: 68.9055%

Class germany: (1744/4405) -> accuracy: 39.5914%

Class russia : (2533/4506) -> accuracy: 56.2139%

Class us : (2635/4495) -> accuracy: 58.6207%

Class france : (1947/4572) -> accuracy: 42.5853%

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

INFO:root: Best accuracy 53.1518% at epoch 13/20 (11906/22400)

DEV accuracy on epoch 13/20 in train step 1011 = 52.7634%

Class turkey : (2592/4422) -> accuracy: 58.6160%

Class germany: (1596/4405) -> accuracy: 36.2316%

Class russia : (3002/4506) -> accuracy: 66.6223%

Class us : (2729/4495) -> accuracy: 60.7119%

Class france : (1900/4572) -> accuracy: 41.5573%

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Epoch: 14/20 ---- best so far on epoch 13: acc=53.1518%

DEV accuracy on epoch 14/20 in train step 0 = 52.8393%

Class turkey : (2597/4422) -> accuracy: 58.7291%

Class germany: (1651/4405) -> accuracy: 37.4801%

Class russia : (2952/4506) -> accuracy: 65.5126%

Class us : (2713/4495) -> accuracy: 60.3560%

Class france : (1923/4572) -> accuracy: 42.0604%

DEV accuracy on epoch 14/20 in train step 506 = 53.1205%

Class turkey : (3039/4422) -> accuracy: 68.7246%

Class germany: (1678/4405) -> accuracy: 38.0931%

Class russia : (2528/4506) -> accuracy: 56.1030%

Class us : (2657/4495) -> accuracy: 59.1101%

Class france : (1997/4572) -> accuracy: 43.6789%

DEV accuracy on epoch 14/20 in train step 1011 = 53.0089%

Class turkey : (2531/4422) -> accuracy: 57.2365%

Class germany: (1888/4405) -> accuracy: 42.8604%

Class russia : (3056/4506) -> accuracy: 67.8207%

Class us : (2721/4495) -> accuracy: 60.5339%

Class france : (1678/4572) -> accuracy: 36.7017%

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Epoch: 15/20 ---- best so far on epoch 13: acc=53.1518%

DEV accuracy on epoch 15/20 in train step 0 = 52.8973%

Class turkey : (2519/4422) -> accuracy: 56.9652%

Class germany: (1930/4405) -> accuracy: 43.8138%

Class russia : (2995/4506) -> accuracy: 66.4669%

Class us : (2747/4495) -> accuracy: 61.1123%

Class france : (1658/4572) -> accuracy: 36.2642%

DEV accuracy on epoch 15/20 in train step 506 = 53.2321%

Class turkey : (3020/4422) -> accuracy: 68.2949%

Class germany: (1804/4405) -> accuracy: 40.9535%

Class russia : (2492/4506) -> accuracy: 55.3040%

Class us : (2634/4495) -> accuracy: 58.5984%

Class france : (1974/4572) -> accuracy: 43.1759%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 15

INFO:root: Best accuracy 53.2321% at epoch 15/20 (11924/22400)

DEV accuracy on epoch 15/20 in train step 1011 = 53.3839%

Class turkey : (2679/4422) -> accuracy: 60.5834%

Class germany: (1708/4405) -> accuracy: 38.7741%

Class russia : (2954/4506) -> accuracy: 65.5570%

Class us : (2662/4495) -> accuracy: 59.2214%

Class france : (1955/4572) -> accuracy: 42.7603%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 15

INFO:root: Best accuracy 53.3839% at epoch 15/20 (11958/22400)

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Epoch: 16/20 ---- best so far on epoch 15: acc=53.3839%

DEV accuracy on epoch 16/20 in train step 0 = 53.5223%

Class turkey : (2675/4422) -> accuracy: 60.4930%

Class germany: (1808/4405) -> accuracy: 41.0443%

Class russia : (2953/4506) -> accuracy: 65.5348%

Class us : (2577/4495) -> accuracy: 57.3304%

Class france : (1976/4572) -> accuracy: 43.2196%

INFO:root: Saved model ../model\_temp/model.ckpt at epoch 16

INFO:root: Best accuracy 53.5223% at epoch 16/20 (11989/22400)

DEV accuracy on epoch 16/20 in train step 506 = 53.1920%

Class turkey : (3081/4422) -> accuracy: 69.6744%

Class germany: (1826/4405) -> accuracy: 41.4529%

Class russia : (2505/4506) -> accuracy: 55.5925%

Class us : (2618/4495) -> accuracy: 58.2425%

Class france : (1885/4572) -> accuracy: 41.2292%

DEV accuracy on epoch 16/20 in train step 1011 = 52.8527%

Class turkey : (2568/4422) -> accuracy: 58.0733%

Class germany: (1629/4405) -> accuracy: 36.9807%

Class russia : (2935/4506) -> accuracy: 65.1354%

Class us : (2884/4495) -> accuracy: 64.1602%

Class france : (1823/4572) -> accuracy: 39.8731%

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Epoch: 17/20 ---- best so far on epoch 16: acc=53.5223%

DEV accuracy on epoch 17/20 in train step 0 = 52.9062%

Class turkey : (2547/4422) -> accuracy: 57.5984%

Class germany: (1670/4405) -> accuracy: 37.9115%

Class russia : (2949/4506) -> accuracy: 65.4461%

Class us : (2848/4495) -> accuracy: 63.3593%

Class france : (1837/4572) -> accuracy: 40.1794%

DEV accuracy on epoch 17/20 in train step 506 = 53.2321%

Class turkey : (3035/4422) -> accuracy: 68.6341%

Class germany: (1794/4405) -> accuracy: 40.7264%

Class russia : (2504/4506) -> accuracy: 55.5704%

Class us : (2677/4495) -> accuracy: 59.5551%

Class france : (1914/4572) -> accuracy: 41.8635%

DEV accuracy on epoch 17/20 in train step 1011 = 52.7857%

Class turkey : (2530/4422) -> accuracy: 57.2139%

Class germany: (1664/4405) -> accuracy: 37.7753%

Class russia : (2962/4506) -> accuracy: 65.7346%

Class us : (2839/4495) -> accuracy: 63.1591%

Class france : (1829/4572) -> accuracy: 40.0044%

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Epoch: 18/20 ---- best so far on epoch 16: acc=53.5223%

DEV accuracy on epoch 18/20 in train step 0 = 52.9107%

Class turkey : (2532/4422) -> accuracy: 57.2592%

Class germany: (1709/4405) -> accuracy: 38.7968%

Class russia : (2961/4506) -> accuracy: 65.7124%

Class us : (2780/4495) -> accuracy: 61.8465%

Class france : (1870/4572) -> accuracy: 40.9011%

DEV accuracy on epoch 18/20 in train step 506 = 53.6250%

Class turkey : (3090/4422) -> accuracy: 69.8779%

Class germany: (1835/4405) -> accuracy: 41.6572%

Class russia : (2519/4506) -> accuracy: 55.9032%

Class us : (2564/4495) -> accuracy: 57.0412%

Class france : (2004/4572) -> accuracy: 43.8320%

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

INFO:root: Best accuracy 53.6250% at epoch 18/20 (12012/22400)

DEV accuracy on epoch 18/20 in train step 1011 = 53.0491%

Class turkey : (2595/4422) -> accuracy: 58.6839%

Class germany: (1773/4405) -> accuracy: 40.2497%

Class russia : (2919/4506) -> accuracy: 64.7803%

Class us : (2828/4495) -> accuracy: 62.9143%

Class france : (1768/4572) -> accuracy: 38.6702%

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

Epoch: 19/20 ---- best so far on epoch 18: acc=53.6250%

DEV accuracy on epoch 19/20 in train step 0 = 53.1607%

Class turkey : (2607/4422) -> accuracy: 58.9552%

Class germany: (1820/4405) -> accuracy: 41.3167%

Class russia : (2887/4506) -> accuracy: 64.0701%

Class us : (2823/4495) -> accuracy: 62.8031%

Class france : (1771/4572) -> accuracy: 38.7358%

DEV accuracy on epoch 19/20 in train step 506 = 53.3482%

Class turkey : (3091/4422) -> accuracy: 69.9005%

Class germany: (1860/4405) -> accuracy: 42.2247%

Class russia : (2556/4506) -> accuracy: 56.7244%

Class us : (2687/4495) -> accuracy: 59.7775%

Class france : (1756/4572) -> accuracy: 38.4077%

DEV accuracy on epoch 19/20 in train step 1011 = 52.9330%

Class turkey : (2580/4422) -> accuracy: 58.3446%

Class germany: (1636/4405) -> accuracy: 37.1396%

Class russia : (2875/4506) -> accuracy: 63.8038%

Class us : (2897/4495) -> accuracy: 64.4494%

Class france : (1869/4572) -> accuracy: 40.8793%

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

Epoch: 20/20 ---- best so far on epoch 18: acc=53.6250%

DEV accuracy on epoch 20/20 in train step 0 = 53.0714%

Class turkey : (2583/4422) -> accuracy: 58.4125%

Class germany: (1703/4405) -> accuracy: 38.6606%

Class russia : (2867/4506) -> accuracy: 63.6263%

Class us : (2870/4495) -> accuracy: 63.8487%

Class france : (1865/4572) -> accuracy: 40.7918%

DEV accuracy on epoch 20/20 in train step 506 = 53.5179%

Class turkey : (3103/4422) -> accuracy: 70.1719%

Class germany: (1881/4405) -> accuracy: 42.7015%

Class russia : (2502/4506) -> accuracy: 55.5260%

Class us : (2632/4495) -> accuracy: 58.5539%

Class france : (1870/4572) -> accuracy: 40.9011%

DEV accuracy on epoch 20/20 in train step 1011 = 53.0089%

Class turkey : (2646/4422) -> accuracy: 59.8372%

Class germany: (1650/4405) -> accuracy: 37.4574%

Class russia : (2930/4506) -> accuracy: 65.0244%

Class us : (2816/4495) -> accuracy: 62.6474%

Class france : (1832/4572) -> accuracy: 40.0700%

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

\*\*\*Training is complete. Best accuracy 53.6250% 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 - (13345/25000) -> accuracy: 53.3800%

Class turkey : (3499/4971) -> accuracy: 70.3883%

Class germany: (2051/5035) -> accuracy: 40.7349%

Class russia : (2770/5020) -> accuracy: 55.1793%

Class us : (2829/4954) -> accuracy: 57.1054%

Class france : (2196/5020) -> accuracy: 43.7450%

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 200

evaluating on dev data 3 times per epoch

KEEP\_PROB 0.5

BATCH\_SIZE 200

LSTM\_HIDDEN\_UNITS 64

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 53.625

testing acc 53.38

Time(HH:MM:SS): 02:20:48

Leaving function \_\_main\_\_