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: 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 = 20.0670%

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

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

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

Class us : (4495/4495) -> accuracy: 100.0000%

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

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

INFO:root: Best accuracy 20.0670% at epoch 1/20 (4495/22400)

DEV accuracy on epoch 1/20 in train step 506 = 20.1116%

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

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

Class russia : (4505/4506) -> accuracy: 99.9778%

Class us : (0/4495) -> accuracy: 0.0000%

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

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

INFO:root: Best accuracy 20.1116% at epoch 1/20 (4505/22400)

DEV accuracy on epoch 1/20 in train step 1011 = 20.0670%

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

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

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

Class us : (4495/4495) -> accuracy: 100.0000%

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

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Epoch: 2/20 ---- best so far on epoch 1: acc=20.1116%

DEV accuracy on epoch 2/20 in train step 0 = 20.0670%

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

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

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

Class us : (4495/4495) -> accuracy: 100.0000%

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

DEV accuracy on epoch 2/20 in train step 506 = 31.6473%

Class turkey : (1343/4422) -> accuracy: 30.3709%

Class germany: (86/4405) -> accuracy: 1.9523%

Class russia : (2669/4506) -> accuracy: 59.2321%

Class us : (2991/4495) -> accuracy: 66.5406%

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

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

INFO:root: Best accuracy 31.6473% at epoch 2/20 (7089/22400)

DEV accuracy on epoch 2/20 in train step 1011 = 42.4330%

Class turkey : (1989/4422) -> accuracy: 44.9796%

Class germany: (1040/4405) -> accuracy: 23.6095%

Class russia : (2072/4506) -> accuracy: 45.9831%

Class us : (3215/4495) -> accuracy: 71.5239%

Class france : (1189/4572) -> accuracy: 26.0061%

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

INFO:root: Best accuracy 42.4330% at epoch 2/20 (9505/22400)

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Epoch: 3/20 ---- best so far on epoch 2: acc=42.4330%

DEV accuracy on epoch 3/20 in train step 0 = 42.8036%

Class turkey : (2130/4422) -> accuracy: 48.1682%

Class germany: (1065/4405) -> accuracy: 24.1771%

Class russia : (2020/4506) -> accuracy: 44.8291%

Class us : (3111/4495) -> accuracy: 69.2102%

Class france : (1262/4572) -> accuracy: 27.6028%

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

INFO:root: Best accuracy 42.8036% at epoch 3/20 (9588/22400)

DEV accuracy on epoch 3/20 in train step 1011 = 49.6429%

Class turkey : (2216/4422) -> accuracy: 50.1131%

Class germany: (1719/4405) -> accuracy: 39.0238%

Class russia : (2733/4506) -> accuracy: 60.6525%

Class us : (2858/4495) -> accuracy: 63.5818%

Class france : (1594/4572) -> accuracy: 34.8644%

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

INFO:root: Best accuracy 49.6429% at epoch 3/20 (11120/22400)

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Epoch: 4/20 ---- best so far on epoch 3: acc=49.6429%

DEV accuracy on epoch 4/20 in train step 0 = 49.6562%

Class turkey : (2321/4422) -> accuracy: 52.4876%

Class germany: (1791/4405) -> accuracy: 40.6583%

Class russia : (2445/4506) -> accuracy: 54.2610%

Class us : (2868/4495) -> accuracy: 63.8042%

Class france : (1698/4572) -> accuracy: 37.1391%

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

INFO:root: Best accuracy 49.6562% at epoch 4/20 (11123/22400)

DEV accuracy on epoch 4/20 in train step 506 = 51.1161%

Class turkey : (3008/4422) -> accuracy: 68.0235%

Class germany: (1707/4405) -> accuracy: 38.7514%

Class russia : (2834/4506) -> accuracy: 62.8939%

Class us : (1830/4495) -> accuracy: 40.7119%

Class france : (2071/4572) -> accuracy: 45.2975%

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

INFO:root: Best accuracy 51.1161% at epoch 4/20 (11450/22400)

DEV accuracy on epoch 4/20 in train step 1011 = 51.1830%

Class turkey : (2418/4422) -> accuracy: 54.6811%

Class germany: (1879/4405) -> accuracy: 42.6561%

Class russia : (2990/4506) -> accuracy: 66.3560%

Class us : (2733/4495) -> accuracy: 60.8009%

Class france : (1445/4572) -> accuracy: 31.6054%

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

INFO:root: Best accuracy 51.1830% at epoch 4/20 (11465/22400)

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Epoch: 5/20 ---- best so far on epoch 4: acc=51.1830%

DEV accuracy on epoch 5/20 in train step 0 = 51.5982%

Class turkey : (2503/4422) -> accuracy: 56.6033%

Class germany: (2047/4405) -> accuracy: 46.4699%

Class russia : (2781/4506) -> accuracy: 61.7177%

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

Class france : (1535/4572) -> accuracy: 33.5739%

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

INFO:root: Best accuracy 51.5982% at epoch 5/20 (11558/22400)

DEV accuracy on epoch 5/20 in train step 506 = 52.1116%

Class turkey : (3120/4422) -> accuracy: 70.5563%

Class germany: (1811/4405) -> accuracy: 41.1124%

Class russia : (2689/4506) -> accuracy: 59.6760%

Class us : (2165/4495) -> accuracy: 48.1646%

Class france : (1888/4572) -> accuracy: 41.2948%

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

INFO:root: Best accuracy 52.1116% at epoch 5/20 (11673/22400)

DEV accuracy on epoch 5/20 in train step 1011 = 52.4732%

Class turkey : (2505/4422) -> accuracy: 56.6486%

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

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

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

Class france : (1609/4572) -> accuracy: 35.1925%

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

INFO:root: Best accuracy 52.4732% at epoch 5/20 (11754/22400)

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Epoch: 6/20 ---- best so far on epoch 5: acc=52.4732%

DEV accuracy on epoch 6/20 in train step 0 = 52.4911%

Class turkey : (2550/4422) -> accuracy: 57.6662%

Class germany: (2037/4405) -> accuracy: 46.2429%

Class russia : (2863/4506) -> accuracy: 63.5375%

Class us : (2682/4495) -> accuracy: 59.6663%

Class france : (1626/4572) -> accuracy: 35.5643%

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

INFO:root: Best accuracy 52.4911% at epoch 6/20 (11758/22400)

DEV accuracy on epoch 6/20 in train step 506 = 52.9062%

Class turkey : (2989/4422) -> accuracy: 67.5938%

Class germany: (1868/4405) -> accuracy: 42.4064%

Class russia : (2722/4506) -> accuracy: 60.4083%

Class us : (2278/4495) -> accuracy: 50.6785%

Class france : (1994/4572) -> accuracy: 43.6133%

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

INFO:root: Best accuracy 52.9062% at epoch 6/20 (11851/22400)

DEV accuracy on epoch 6/20 in train step 1011 = 52.8482%

Class turkey : (2446/4422) -> accuracy: 55.3143%

Class germany: (2000/4405) -> accuracy: 45.4030%

Class russia : (2993/4506) -> accuracy: 66.4225%

Class us : (2769/4495) -> accuracy: 61.6018%

Class france : (1630/4572) -> accuracy: 35.6518%

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Epoch: 7/20 ---- best so far on epoch 6: acc=52.9062%

DEV accuracy on epoch 7/20 in train step 0 = 52.8304%

Class turkey : (2477/4422) -> accuracy: 56.0154%

Class germany: (2105/4405) -> accuracy: 47.7866%

Class russia : (2840/4506) -> accuracy: 63.0271%

Class us : (2740/4495) -> accuracy: 60.9566%

Class france : (1672/4572) -> accuracy: 36.5704%

DEV accuracy on epoch 7/20 in train step 506 = 53.2277%

Class turkey : (3074/4422) -> accuracy: 69.5161%

Class germany: (1878/4405) -> accuracy: 42.6334%

Class russia : (2664/4506) -> accuracy: 59.1212%

Class us : (2374/4495) -> accuracy: 52.8142%

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

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

INFO:root: Best accuracy 53.2277% at epoch 7/20 (11923/22400)

DEV accuracy on epoch 7/20 in train step 1011 = 53.5089%

Class turkey : (2588/4422) -> accuracy: 58.5256%

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

Class russia : (3019/4506) -> accuracy: 66.9996%

Class us : (2769/4495) -> accuracy: 61.6018%

Class france : (1784/4572) -> accuracy: 39.0201%

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

INFO:root: Best accuracy 53.5089% at epoch 7/20 (11986/22400)

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Epoch: 8/20 ---- best so far on epoch 7: acc=53.5089%

DEV accuracy on epoch 8/20 in train step 0 = 53.5179%

Class turkey : (2614/4422) -> accuracy: 59.1135%

Class germany: (1892/4405) -> accuracy: 42.9512%

Class russia : (2909/4506) -> accuracy: 64.5584%

Class us : (2817/4495) -> accuracy: 62.6696%

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

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

INFO:root: Best accuracy 53.5179% at epoch 8/20 (11988/22400)

DEV accuracy on epoch 8/20 in train step 506 = 53.6116%

Class turkey : (3018/4422) -> accuracy: 68.2497%

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

Class russia : (2670/4506) -> accuracy: 59.2543%

Class us : (2510/4495) -> accuracy: 55.8398%

Class france : (2029/4572) -> accuracy: 44.3788%

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

INFO:root: Best accuracy 53.6116% at epoch 8/20 (12009/22400)

DEV accuracy on epoch 8/20 in train step 1011 = 53.4152%

Class turkey : (2571/4422) -> accuracy: 58.1411%

Class germany: (1805/4405) -> accuracy: 40.9762%

Class russia : (2966/4506) -> accuracy: 65.8233%

Class us : (2806/4495) -> accuracy: 62.4249%

Class france : (1817/4572) -> accuracy: 39.7419%

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Epoch: 9/20 ---- best so far on epoch 8: acc=53.6116%

DEV accuracy on epoch 9/20 in train step 0 = 53.4955%

Class turkey : (2608/4422) -> accuracy: 58.9778%

Class germany: (1857/4405) -> accuracy: 42.1566%

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

Class us : (2827/4495) -> accuracy: 62.8921%

Class france : (1804/4572) -> accuracy: 39.4576%

DEV accuracy on epoch 9/20 in train step 506 = 53.9464%

Class turkey : (3067/4422) -> accuracy: 69.3578%

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

Class russia : (2704/4506) -> accuracy: 60.0089%

Class us : (2526/4495) -> accuracy: 56.1958%

Class france : (1979/4572) -> accuracy: 43.2852%

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

INFO:root: Best accuracy 53.9464% at epoch 9/20 (12084/22400)

DEV accuracy on epoch 9/20 in train step 1011 = 54.0446%

Class turkey : (2599/4422) -> accuracy: 58.7743%

Class germany: (1906/4405) -> accuracy: 43.2690%

Class russia : (2943/4506) -> accuracy: 65.3129%

Class us : (2710/4495) -> accuracy: 60.2892%

Class france : (1948/4572) -> accuracy: 42.6072%

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

INFO:root: Best accuracy 54.0446% at epoch 9/20 (12106/22400)

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Epoch: 10/20 ---- best so far on epoch 9: acc=54.0446%

DEV accuracy on epoch 10/20 in train step 0 = 54.0223%

Class turkey : (2599/4422) -> accuracy: 58.7743%

Class germany: (1954/4405) -> accuracy: 44.3587%

Class russia : (2892/4506) -> accuracy: 64.1811%

Class us : (2732/4495) -> accuracy: 60.7786%

Class france : (1924/4572) -> accuracy: 42.0822%

DEV accuracy on epoch 10/20 in train step 506 = 54.0312%

Class turkey : (3021/4422) -> accuracy: 68.3175%

Class germany: (1824/4405) -> accuracy: 41.4075%

Class russia : (2625/4506) -> accuracy: 58.2557%

Class us : (2516/4495) -> accuracy: 55.9733%

Class france : (2117/4572) -> accuracy: 46.3036%

DEV accuracy on epoch 10/20 in train step 1011 = 54.0089%

Class turkey : (2651/4422) -> accuracy: 59.9502%

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

Class russia : (2936/4506) -> accuracy: 65.1576%

Class us : (2730/4495) -> accuracy: 60.7341%

Class france : (1851/4572) -> accuracy: 40.4856%

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Epoch: 11/20 ---- best so far on epoch 9: acc=54.0446%

DEV accuracy on epoch 11/20 in train step 0 = 53.7902%

Class turkey : (2647/4422) -> accuracy: 59.8598%

Class germany: (1931/4405) -> accuracy: 43.8365%

Class russia : (2825/4506) -> accuracy: 62.6942%

Class us : (2809/4495) -> accuracy: 62.4917%

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

DEV accuracy on epoch 11/20 in train step 506 = 53.9777%

Class turkey : (3120/4422) -> accuracy: 70.5563%

Class germany: (1743/4405) -> accuracy: 39.5687%

Class russia : (2674/4506) -> accuracy: 59.3431%

Class us : (2514/4495) -> accuracy: 55.9288%

Class france : (2040/4572) -> accuracy: 44.6194%

DEV accuracy on epoch 11/20 in train step 1011 = 54.5089%

Class turkey : (2672/4422) -> accuracy: 60.4251%

Class germany: (1916/4405) -> accuracy: 43.4960%

Class russia : (3052/4506) -> accuracy: 67.7319%

Class us : (2586/4495) -> accuracy: 57.5306%

Class france : (1984/4572) -> accuracy: 43.3946%

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

INFO:root: Best accuracy 54.5089% at epoch 11/20 (12210/22400)

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Epoch: 12/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 12/20 in train step 0 = 54.4911%

Class turkey : (2670/4422) -> accuracy: 60.3799%

Class germany: (1929/4405) -> accuracy: 43.7911%

Class russia : (2968/4506) -> accuracy: 65.8677%

Class us : (2651/4495) -> accuracy: 58.9766%

Class france : (1988/4572) -> accuracy: 43.4821%

DEV accuracy on epoch 12/20 in train step 506 = 54.0580%

Class turkey : (3132/4422) -> accuracy: 70.8277%

Class germany: (1706/4405) -> accuracy: 38.7287%

Class russia : (2607/4506) -> accuracy: 57.8562%

Class us : (2442/4495) -> accuracy: 54.3270%

Class france : (2222/4572) -> accuracy: 48.6002%

DEV accuracy on epoch 12/20 in train step 1011 = 54.3214%

Class turkey : (2687/4422) -> accuracy: 60.7644%

Class germany: (1815/4405) -> accuracy: 41.2032%

Class russia : (2906/4506) -> accuracy: 64.4918%

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

Class france : (2031/4572) -> accuracy: 44.4226%

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Epoch: 13/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 13/20 in train step 0 = 54.0759%

Class turkey : (2697/4422) -> accuracy: 60.9905%

Class germany: (1866/4405) -> accuracy: 42.3610%

Class russia : (2770/4506) -> accuracy: 61.4736%

Class us : (2755/4495) -> accuracy: 61.2903%

Class france : (2025/4572) -> accuracy: 44.2913%

DEV accuracy on epoch 13/20 in train step 506 = 54.0625%

Class turkey : (3067/4422) -> accuracy: 69.3578%

Class germany: (1761/4405) -> accuracy: 39.9773%

Class russia : (2589/4506) -> accuracy: 57.4567%

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

Class france : (2074/4572) -> accuracy: 45.3631%

DEV accuracy on epoch 13/20 in train step 1011 = 54.3839%

Class turkey : (2724/4422) -> accuracy: 61.6011%

Class germany: (1884/4405) -> accuracy: 42.7696%

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

Class us : (2598/4495) -> accuracy: 57.7976%

Class france : (2014/4572) -> accuracy: 44.0507%

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Epoch: 14/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 14/20 in train step 0 = 54.3482%

Class turkey : (2709/4422) -> accuracy: 61.2619%

Class germany: (1904/4405) -> accuracy: 43.2236%

Class russia : (2885/4506) -> accuracy: 64.0257%

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

Class france : (2014/4572) -> accuracy: 44.0507%

DEV accuracy on epoch 14/20 in train step 506 = 54.0446%

Class turkey : (2965/4422) -> accuracy: 67.0511%

Class germany: (1800/4405) -> accuracy: 40.8627%

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

Class us : (2612/4495) -> accuracy: 58.1090%

Class france : (2081/4572) -> accuracy: 45.5162%

DEV accuracy on epoch 14/20 in train step 1011 = 54.0000%

Class turkey : (2760/4422) -> accuracy: 62.4152%

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

Class russia : (2908/4506) -> accuracy: 64.5362%

Class us : (2646/4495) -> accuracy: 58.8654%

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

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Epoch: 15/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 15/20 in train step 0 = 53.9732%

Class turkey : (2737/4422) -> accuracy: 61.8951%

Class germany: (1866/4405) -> accuracy: 42.3610%

Class russia : (2816/4506) -> accuracy: 62.4945%

Class us : (2736/4495) -> accuracy: 60.8676%

Class france : (1935/4572) -> accuracy: 42.3228%

DEV accuracy on epoch 15/20 in train step 506 = 53.7634%

Class turkey : (2993/4422) -> accuracy: 67.6843%

Class germany: (1724/4405) -> accuracy: 39.1373%

Class russia : (2565/4506) -> accuracy: 56.9241%

Class us : (2725/4495) -> accuracy: 60.6229%

Class france : (2036/4572) -> accuracy: 44.5319%

DEV accuracy on epoch 15/20 in train step 1011 = 53.8795%

Class turkey : (2677/4422) -> accuracy: 60.5382%

Class germany: (1791/4405) -> accuracy: 40.6583%

Class russia : (2975/4506) -> accuracy: 66.0231%

Class us : (2647/4495) -> accuracy: 58.8877%

Class france : (1979/4572) -> accuracy: 43.2852%

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Epoch: 16/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 16/20 in train step 0 = 53.9420%

Class turkey : (2658/4422) -> accuracy: 60.1085%

Class germany: (1828/4405) -> accuracy: 41.4983%

Class russia : (2918/4506) -> accuracy: 64.7581%

Class us : (2702/4495) -> accuracy: 60.1112%

Class france : (1977/4572) -> accuracy: 43.2415%

DEV accuracy on epoch 16/20 in train step 506 = 53.5670%

Class turkey : (2990/4422) -> accuracy: 67.6165%

Class germany: (1748/4405) -> accuracy: 39.6822%

Class russia : (2521/4506) -> accuracy: 55.9476%

Class us : (2670/4495) -> accuracy: 59.3993%

Class france : (2070/4572) -> accuracy: 45.2756%

DEV accuracy on epoch 16/20 in train step 1011 = 53.7679%

Class turkey : (2729/4422) -> accuracy: 61.7142%

Class germany: (1842/4405) -> accuracy: 41.8161%

Class russia : (2882/4506) -> accuracy: 63.9592%

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

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

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Epoch: 17/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 17/20 in train step 0 = 53.7009%

Class turkey : (2722/4422) -> accuracy: 61.5559%

Class germany: (1852/4405) -> accuracy: 42.0431%

Class russia : (2835/4506) -> accuracy: 62.9161%

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

Class france : (1907/4572) -> accuracy: 41.7104%

DEV accuracy on epoch 17/20 in train step 506 = 53.3705%

Class turkey : (2908/4422) -> accuracy: 65.7621%

Class germany: (1791/4405) -> accuracy: 40.6583%

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

Class us : (2753/4495) -> accuracy: 61.2458%

Class france : (1985/4572) -> accuracy: 43.4164%

DEV accuracy on epoch 17/20 in train step 1011 = 53.6786%

Class turkey : (2710/4422) -> accuracy: 61.2845%

Class germany: (1905/4405) -> accuracy: 43.2463%

Class russia : (2822/4506) -> accuracy: 62.6276%

Class us : (2530/4495) -> accuracy: 56.2848%

Class france : (2057/4572) -> accuracy: 44.9913%

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Epoch: 18/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 18/20 in train step 0 = 53.5625%

Class turkey : (2691/4422) -> accuracy: 60.8548%

Class germany: (1927/4405) -> accuracy: 43.7457%

Class russia : (2774/4506) -> accuracy: 61.5624%

Class us : (2585/4495) -> accuracy: 57.5083%

Class france : (2021/4572) -> accuracy: 44.2038%

DEV accuracy on epoch 18/20 in train step 506 = 53.2679%

Class turkey : (2943/4422) -> accuracy: 66.5536%

Class germany: (1775/4405) -> accuracy: 40.2951%

Class russia : (2478/4506) -> accuracy: 54.9933%

Class us : (2663/4495) -> accuracy: 59.2436%

Class france : (2073/4572) -> accuracy: 45.3412%

DEV accuracy on epoch 18/20 in train step 1011 = 53.4018%

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

Class germany: (1827/4405) -> accuracy: 41.4756%

Class russia : (2792/4506) -> accuracy: 61.9618%

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

Class france : (2090/4572) -> accuracy: 45.7130%

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

Epoch: 19/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 19/20 in train step 0 = 53.4196%

Class turkey : (2688/4422) -> accuracy: 60.7870%

Class germany: (1849/4405) -> accuracy: 41.9750%

Class russia : (2747/4506) -> accuracy: 60.9632%

Class us : (2611/4495) -> accuracy: 58.0868%

Class france : (2071/4572) -> accuracy: 45.2975%

DEV accuracy on epoch 19/20 in train step 506 = 53.0357%

Class turkey : (2983/4422) -> accuracy: 67.4582%

Class germany: (1810/4405) -> accuracy: 41.0897%

Class russia : (2510/4506) -> accuracy: 55.7035%

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

Class france : (1999/4572) -> accuracy: 43.7227%

DEV accuracy on epoch 19/20 in train step 1011 = 53.2723%

Class turkey : (2614/4422) -> accuracy: 59.1135%

Class germany: (1824/4405) -> accuracy: 41.4075%

Class russia : (2745/4506) -> accuracy: 60.9188%

Class us : (2674/4495) -> accuracy: 59.4883%

Class france : (2076/4572) -> accuracy: 45.4068%

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

Epoch: 20/20 ---- best so far on epoch 11: acc=54.5089%

DEV accuracy on epoch 20/20 in train step 0 = 53.2232%

Class turkey : (2628/4422) -> accuracy: 59.4301%

Class germany: (1854/4405) -> accuracy: 42.0885%

Class russia : (2688/4506) -> accuracy: 59.6538%

Class us : (2703/4495) -> accuracy: 60.1335%

Class france : (2049/4572) -> accuracy: 44.8163%

DEV accuracy on epoch 20/20 in train step 506 = 52.1964%

Class turkey : (2966/4422) -> accuracy: 67.0737%

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

Class russia : (2401/4506) -> accuracy: 53.2845%

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

Class france : (1916/4572) -> accuracy: 41.9073%

DEV accuracy on epoch 20/20 in train step 1011 = 53.0402%

Class turkey : (2599/4422) -> accuracy: 58.7743%

Class germany: (1751/4405) -> accuracy: 39.7503%

Class russia : (2791/4506) -> accuracy: 61.9396%

Class us : (2639/4495) -> accuracy: 58.7097%

Class france : (2101/4572) -> accuracy: 45.9536%

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

\*\*\*Training is complete. Best accuracy 54.5089% at epoch 11/20

\*\*\*Testing...

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

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

Accuracy on test set - (13381/25000) -> accuracy: 53.5240%

Class turkey : (2989/4971) -> accuracy: 60.1287%

Class germany: (2150/5035) -> accuracy: 42.7011%

Class russia : (3344/5020) -> accuracy: 66.6135%

Class us : (2813/4954) -> accuracy: 56.7824%

Class france : (2085/5020) -> accuracy: 41.5339%

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 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 54.5089285714

testing acc 53.524

Time(HH:MM:SS): 02:29:46

Leaving function \_\_main\_\_