Entering function \_\_main\_\_

Embedding tokens size=400001

File name 5way\_tur\_ger\_rus\_fra\_usa100K\_25-150. Total data size is 500000

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: 405000, x\_dev: 45000, x\_test: 50000

y\_train: 405000, y\_dev: 45000, y\_test: 50000

input\_data\_x\_batch shape: (400, 150)

input\_labels\_batch shape: (400, 5)

data(after embedding) shape: (400, 150, 300)

gru\_forward\_cell units: 100

gru\_forward\_cell2 units: 100

multi\_forward\_cell: 2 cells

gru\_backward\_cell units: 100

gru\_backward\_cell2 units: 100

multi\_backward\_cell: 2 cells

---vars name and shapes---

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_0/gru\_cell/gates/kernel:0', TensorShape([Dimension(400), Dimension(200)]), 80000)

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_0/gru\_cell/gates/bias:0', TensorShape([Dimension(200)]), 200)

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_0/gru\_cell/candidate/kernel:0', TensorShape([Dimension(400), Dimension(100)]), 40000)

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_0/gru\_cell/candidate/bias:0', TensorShape([Dimension(100)]), 100)

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_1/gru\_cell/gates/kernel:0', TensorShape([Dimension(200), Dimension(200)]), 40000)

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_1/gru\_cell/gates/bias:0', TensorShape([Dimension(200)]), 200)

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_1/gru\_cell/candidate/kernel:0', TensorShape([Dimension(200), Dimension(100)]), 20000)

(u'bidirectional\_rnn/fw/multi\_rnn\_cell/cell\_1/gru\_cell/candidate/bias:0', TensorShape([Dimension(100)]), 100)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_0/gru\_cell/gates/kernel:0', TensorShape([Dimension(400), Dimension(200)]), 80000)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_0/gru\_cell/gates/bias:0', TensorShape([Dimension(200)]), 200)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_0/gru\_cell/candidate/kernel:0', TensorShape([Dimension(400), Dimension(100)]), 40000)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_0/gru\_cell/candidate/bias:0', TensorShape([Dimension(100)]), 100)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_1/gru\_cell/gates/kernel:0', TensorShape([Dimension(200), Dimension(200)]), 40000)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_1/gru\_cell/gates/bias:0', TensorShape([Dimension(200)]), 200)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_1/gru\_cell/candidate/kernel:0', TensorShape([Dimension(200), Dimension(100)]), 20000)

(u'bidirectional\_rnn/bw/multi\_rnn\_cell/cell\_1/gru\_cell/candidate/bias:0', TensorShape([Dimension(100)]), 100)

(u'Variable:0', TensorShape([Dimension(200), Dimension(5)]), 1000)

(u'bias:0', TensorShape([Dimension(5)]), 5)

total PARAM 362,205

---done vars---

batches\_num\_train: 1012

batches\_num\_dev: 112

Epoch: 1/50 ---- best so far on epoch 0: acc=0.0000%

DEV accuracy on epoch 1/50 in train step 506 = 35.4420%

Dev loss average for this epoch is 149.7911 and average acc is 35.4420

Class turkey : (2772/8924) -> accuracy: 31.0623%

Class germany: (6712/8983) -> accuracy: 74.7189%

Class russia : (5468/8963) -> accuracy: 61.0064%

Class us : (370/8977) -> accuracy: 4.1216%

Class france : (556/8953) -> accuracy: 6.2102%

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

INFO:root: Best accuracy 35.4420% at epoch 1/50 (15878/44800)

DEV accuracy on epoch 1/50 in train step 1009 = 48.4420%

Dev loss average for this epoch is 56.6572 and average acc is 48.4420

Class turkey : (6135/8924) -> accuracy: 68.7472%

Class germany: (2975/8983) -> accuracy: 33.1181%

Class russia : (4934/8963) -> accuracy: 55.0485%

Class us : (4335/8977) -> accuracy: 48.2901%

Class france : (3323/8953) -> accuracy: 37.1161%

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

INFO:root: Best accuracy 48.4420% at epoch 1/50 (21702/44800)

Epoch run time: 00:16:43

Train average loss for this epoch is 172.7038 and average acc is 31.5212

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Epoch: 2/50 ---- best so far on epoch 1: acc=48.4420%

DEV accuracy on epoch 2/50 in train step 506 = 51.4152%

Dev loss average for this epoch is 19.5927 and average acc is 51.4152

Class turkey : (4881/8924) -> accuracy: 54.6952%

Class germany: (4501/8983) -> accuracy: 50.1058%

Class russia : (6048/8963) -> accuracy: 67.4774%

Class us : (3412/8977) -> accuracy: 38.0082%

Class france : (4192/8953) -> accuracy: 46.8223%

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

INFO:root: Best accuracy 51.4152% at epoch 2/50 (23034/44800)

DEV accuracy on epoch 2/50 in train step 1009 = 52.5714%

Dev loss average for this epoch is 6.4813 and average acc is 52.5714

Class turkey : (5925/8924) -> accuracy: 66.3940%

Class germany: (3889/8983) -> accuracy: 43.2929%

Class russia : (6146/8963) -> accuracy: 68.5708%

Class us : (4512/8977) -> accuracy: 50.2618%

Class france : (3080/8953) -> accuracy: 34.4019%

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

INFO:root: Best accuracy 52.5714% at epoch 2/50 (23552/44800)

Epoch run time: 00:16:27

Train average loss for this epoch is 23.5601 and average acc is 49.8664

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Epoch: 3/50 ---- best so far on epoch 2: acc=52.5714%

DEV accuracy on epoch 3/50 in train step 506 = 52.9420%

Dev loss average for this epoch is 2.4137 and average acc is 52.9420

Class turkey : (5412/8924) -> accuracy: 60.6455%

Class germany: (5096/8983) -> accuracy: 56.7294%

Class russia : (6439/8963) -> accuracy: 71.8398%

Class us : (3195/8977) -> accuracy: 35.5910%

Class france : (3576/8953) -> accuracy: 39.9419%

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

INFO:root: Best accuracy 52.9420% at epoch 3/50 (23718/44800)

DEV accuracy on epoch 3/50 in train step 1009 = 53.9330%

Dev loss average for this epoch is 1.4573 and average acc is 53.9330

Class turkey : (5943/8924) -> accuracy: 66.5957%

Class germany: (4662/8983) -> accuracy: 51.8980%

Class russia : (6179/8963) -> accuracy: 68.9390%

Class us : (4191/8977) -> accuracy: 46.6860%

Class france : (3187/8953) -> accuracy: 35.5970%

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

INFO:root: Best accuracy 53.9330% at epoch 3/50 (24162/44800)

Epoch run time: 00:16:29

Train average loss for this epoch is 2.9574 and average acc is 52.7890

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Epoch: 4/50 ---- best so far on epoch 3: acc=53.9330%

DEV accuracy on epoch 4/50 in train step 506 = 54.8281%

Dev loss average for this epoch is 1.2854 and average acc is 54.8281

Class turkey : (5902/8924) -> accuracy: 66.1363%

Class germany: (4767/8983) -> accuracy: 53.0669%

Class russia : (5974/8963) -> accuracy: 66.6518%

Class us : (4074/8977) -> accuracy: 45.3826%

Class france : (3846/8953) -> accuracy: 42.9577%

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

INFO:root: Best accuracy 54.8281% at epoch 4/50 (24563/44800)

DEV accuracy on epoch 4/50 in train step 1009 = 54.9844%

Dev loss average for this epoch is 1.2646 and average acc is 54.9844

Class turkey : (5791/8924) -> accuracy: 64.8924%

Class germany: (4572/8983) -> accuracy: 50.8961%

Class russia : (6042/8963) -> accuracy: 67.4105%

Class us : (4619/8977) -> accuracy: 51.4537%

Class france : (3609/8953) -> accuracy: 40.3105%

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

INFO:root: Best accuracy 54.9844% at epoch 4/50 (24633/44800)

Epoch run time: 00:16:30

Train average loss for this epoch is 1.3354 and average acc is 54.3221

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Epoch: 5/50 ---- best so far on epoch 4: acc=54.9844%

DEV accuracy on epoch 5/50 in train step 506 = 55.6317%

Dev loss average for this epoch is 1.2535 and average acc is 55.6317

Class turkey : (5868/8924) -> accuracy: 65.7553%

Class germany: (4948/8983) -> accuracy: 55.0818%

Class russia : (5766/8963) -> accuracy: 64.3311%

Class us : (4228/8977) -> accuracy: 47.0981%

Class france : (4113/8953) -> accuracy: 45.9399%

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

INFO:root: Best accuracy 55.6317% at epoch 5/50 (24923/44800)

DEV accuracy on epoch 5/50 in train step 1009 = 55.4554%

Dev loss average for this epoch is 1.2537 and average acc is 55.4554

Class turkey : (5936/8924) -> accuracy: 66.5173%

Class germany: (4664/8983) -> accuracy: 51.9203%

Class russia : (5555/8963) -> accuracy: 61.9770%

Class us : (5146/8977) -> accuracy: 57.3243%

Class france : (3543/8953) -> accuracy: 39.5733%

Epoch run time: 00:16:25

Train average loss for this epoch is 1.2764 and average acc is 55.5815

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Epoch: 6/50 ---- best so far on epoch 5: acc=55.6317%

DEV accuracy on epoch 6/50 in train step 506 = 55.2701%

Dev loss average for this epoch is 1.2549 and average acc is 55.2701

Class turkey : (5197/8924) -> accuracy: 58.2362%

Class germany: (4781/8983) -> accuracy: 53.2228%

Class russia : (6352/8963) -> accuracy: 70.8691%

Class us : (3769/8977) -> accuracy: 41.9851%

Class france : (4662/8953) -> accuracy: 52.0719%

DEV accuracy on epoch 6/50 in train step 1009 = 55.8482%

Dev loss average for this epoch is 1.2477 and average acc is 55.8482

Class turkey : (6299/8924) -> accuracy: 70.5849%

Class germany: (4992/8983) -> accuracy: 55.5716%

Class russia : (5483/8963) -> accuracy: 61.1737%

Class us : (4990/8977) -> accuracy: 55.5865%

Class france : (3256/8953) -> accuracy: 36.3677%

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

INFO:root: Best accuracy 55.8482% at epoch 6/50 (25020/44800)

Epoch run time: 00:16:25

Train average loss for this epoch is 1.2614 and average acc is 56.6667

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Epoch: 7/50 ---- best so far on epoch 6: acc=55.8482%

DEV accuracy on epoch 7/50 in train step 506 = 55.8013%

Dev loss average for this epoch is 1.2446 and average acc is 55.8013

Class turkey : (5472/8924) -> accuracy: 61.3178%

Class germany: (5277/8983) -> accuracy: 58.7443%

Class russia : (6085/8963) -> accuracy: 67.8902%

Class us : (3909/8977) -> accuracy: 43.5446%

Class france : (4256/8953) -> accuracy: 47.5371%

DEV accuracy on epoch 7/50 in train step 1009 = 56.0201%

Dev loss average for this epoch is 1.2444 and average acc is 56.0201

Class turkey : (6235/8924) -> accuracy: 69.8678%

Class germany: (4983/8983) -> accuracy: 55.4714%

Class russia : (5154/8963) -> accuracy: 57.5031%

Class us : (5191/8977) -> accuracy: 57.8256%

Class france : (3534/8953) -> accuracy: 39.4728%

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

INFO:root: Best accuracy 56.0201% at epoch 7/50 (25097/44800)

Epoch run time: 00:16:27

Train average loss for this epoch is 1.2462 and average acc is 57.6223

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Epoch: 8/50 ---- best so far on epoch 7: acc=56.0201%

DEV accuracy on epoch 8/50 in train step 506 = 55.9263%

Dev loss average for this epoch is 1.2501 and average acc is 55.9263

Class turkey : (5105/8924) -> accuracy: 57.2053%

Class germany: (5358/8983) -> accuracy: 59.6460%

Class russia : (6237/8963) -> accuracy: 69.5861%

Class us : (4280/8977) -> accuracy: 47.6774%

Class france : (4075/8953) -> accuracy: 45.5155%

DEV accuracy on epoch 8/50 in train step 1009 = 55.9777%

Dev loss average for this epoch is 1.2432 and average acc is 55.9777

Class turkey : (6348/8924) -> accuracy: 71.1340%

Class germany: (4300/8983) -> accuracy: 47.8682%

Class russia : (5186/8963) -> accuracy: 57.8601%

Class us : (5257/8977) -> accuracy: 58.5608%

Class france : (3987/8953) -> accuracy: 44.5326%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.2352 and average acc is 58.4699

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Epoch: 9/50 ---- best so far on epoch 7: acc=56.0201%

DEV accuracy on epoch 9/50 in train step 506 = 55.8750%

Dev loss average for this epoch is 1.2473 and average acc is 55.8750

Class turkey : (5095/8924) -> accuracy: 57.0932%

Class germany: (4975/8983) -> accuracy: 55.3824%

Class russia : (6413/8963) -> accuracy: 71.5497%

Class us : (4090/8977) -> accuracy: 45.5609%

Class france : (4459/8953) -> accuracy: 49.8045%

DEV accuracy on epoch 9/50 in train step 1009 = 55.9643%

Dev loss average for this epoch is 1.2455 and average acc is 55.9643

Class turkey : (6035/8924) -> accuracy: 67.6266%

Class germany: (4903/8983) -> accuracy: 54.5809%

Class russia : (5085/8963) -> accuracy: 56.7332%

Class us : (5436/8977) -> accuracy: 60.5548%

Class france : (3613/8953) -> accuracy: 40.3552%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.2241 and average acc is 59.2379

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Epoch: 10/50 ---- best so far on epoch 7: acc=56.0201%

DEV accuracy on epoch 10/50 in train step 506 = 55.7299%

Dev loss average for this epoch is 1.2530 and average acc is 55.7299

Class turkey : (5323/8924) -> accuracy: 59.6481%

Class germany: (4508/8983) -> accuracy: 50.1837%

Class russia : (6589/8963) -> accuracy: 73.5133%

Class us : (3892/8977) -> accuracy: 43.3552%

Class france : (4655/8953) -> accuracy: 51.9937%

DEV accuracy on epoch 10/50 in train step 1009 = 56.0469%

Dev loss average for this epoch is 1.2430 and average acc is 56.0469

Class turkey : (5694/8924) -> accuracy: 63.8055%

Class germany: (4333/8983) -> accuracy: 48.2356%

Class russia : (5363/8963) -> accuracy: 59.8349%

Class us : (5226/8977) -> accuracy: 58.2154%

Class france : (4493/8953) -> accuracy: 50.1843%

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

INFO:root: Best accuracy 56.0469% at epoch 10/50 (25109/44800)

Epoch run time: 00:16:26

Train average loss for this epoch is 1.2149 and average acc is 59.8636

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Epoch: 11/50 ---- best so far on epoch 10: acc=56.0469%

DEV accuracy on epoch 11/50 in train step 506 = 56.1964%

Dev loss average for this epoch is 1.2485 and average acc is 56.1964

Class turkey : (5493/8924) -> accuracy: 61.5531%

Class germany: (4695/8983) -> accuracy: 52.2654%

Class russia : (6199/8963) -> accuracy: 69.1621%

Class us : (4370/8977) -> accuracy: 48.6800%

Class france : (4419/8953) -> accuracy: 49.3578%

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

INFO:root: Best accuracy 56.1964% at epoch 11/50 (25176/44800)

DEV accuracy on epoch 11/50 in train step 1009 = 56.3259%

Dev loss average for this epoch is 1.2435 and average acc is 56.3259

Class turkey : (5672/8924) -> accuracy: 63.5589%

Class germany: (4677/8983) -> accuracy: 52.0650%

Class russia : (5517/8963) -> accuracy: 61.5531%

Class us : (5007/8977) -> accuracy: 55.7759%

Class france : (4361/8953) -> accuracy: 48.7099%

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

INFO:root: Best accuracy 56.3259% at epoch 11/50 (25234/44800)

Epoch run time: 00:16:31

Train average loss for this epoch is 1.2050 and average acc is 60.5289

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Epoch: 12/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 12/50 in train step 506 = 55.9688%

Dev loss average for this epoch is 1.2510 and average acc is 55.9688

Class turkey : (5376/8924) -> accuracy: 60.2420%

Class germany: (4976/8983) -> accuracy: 55.3935%

Class russia : (6118/8963) -> accuracy: 68.2584%

Class us : (4039/8977) -> accuracy: 44.9928%

Class france : (4565/8953) -> accuracy: 50.9885%

DEV accuracy on epoch 12/50 in train step 1009 = 55.9330%

Dev loss average for this epoch is 1.2543 and average acc is 55.9330

Class turkey : (5810/8924) -> accuracy: 65.1053%

Class germany: (4019/8983) -> accuracy: 44.7401%

Class russia : (5404/8963) -> accuracy: 60.2923%

Class us : (4943/8977) -> accuracy: 55.0629%

Class france : (4882/8953) -> accuracy: 54.5292%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1975 and average acc is 61.1418

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Epoch: 13/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 13/50 in train step 506 = 55.9286%

Dev loss average for this epoch is 1.2585 and average acc is 55.9286

Class turkey : (5128/8924) -> accuracy: 57.4630%

Class germany: (4707/8983) -> accuracy: 52.3990%

Class russia : (6182/8963) -> accuracy: 68.9724%

Class us : (4342/8977) -> accuracy: 48.3681%

Class france : (4697/8953) -> accuracy: 52.4629%

DEV accuracy on epoch 13/50 in train step 1009 = 55.9174%

Dev loss average for this epoch is 1.2561 and average acc is 55.9174

Class turkey : (6268/8924) -> accuracy: 70.2376%

Class germany: (3996/8983) -> accuracy: 44.4840%

Class russia : (5484/8963) -> accuracy: 61.1849%

Class us : (4929/8977) -> accuracy: 54.9070%

Class france : (4374/8953) -> accuracy: 48.8551%

Epoch run time: 00:16:23

Train average loss for this epoch is 1.1916 and average acc is 61.6769

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Epoch: 14/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 14/50 in train step 506 = 56.0603%

Dev loss average for this epoch is 1.2560 and average acc is 56.0603

Class turkey : (5592/8924) -> accuracy: 62.6625%

Class germany: (4889/8983) -> accuracy: 54.4250%

Class russia : (5895/8963) -> accuracy: 65.7704%

Class us : (4277/8977) -> accuracy: 47.6440%

Class france : (4462/8953) -> accuracy: 49.8380%

DEV accuracy on epoch 14/50 in train step 1009 = 56.1830%

Dev loss average for this epoch is 1.2578 and average acc is 56.1830

Class turkey : (5937/8924) -> accuracy: 66.5285%

Class germany: (4020/8983) -> accuracy: 44.7512%

Class russia : (5738/8963) -> accuracy: 64.0187%

Class us : (4902/8977) -> accuracy: 54.6062%

Class france : (4573/8953) -> accuracy: 51.0779%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1841 and average acc is 62.1588

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Epoch: 15/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 15/50 in train step 506 = 55.8906%

Dev loss average for this epoch is 1.2624 and average acc is 55.8906

Class turkey : (5662/8924) -> accuracy: 63.4469%

Class germany: (4568/8983) -> accuracy: 50.8516%

Class russia : (6020/8963) -> accuracy: 67.1650%

Class us : (4173/8977) -> accuracy: 46.4855%

Class france : (4616/8953) -> accuracy: 51.5581%

DEV accuracy on epoch 15/50 in train step 1009 = 55.8906%

Dev loss average for this epoch is 1.2614 and average acc is 55.8906

Class turkey : (5964/8924) -> accuracy: 66.8310%

Class germany: (3888/8983) -> accuracy: 43.2818%

Class russia : (5864/8963) -> accuracy: 65.4245%

Class us : (5060/8977) -> accuracy: 56.3663%

Class france : (4263/8953) -> accuracy: 47.6153%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1768 and average acc is 62.6999

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Epoch: 16/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 16/50 in train step 506 = 56.0647%

Dev loss average for this epoch is 1.2631 and average acc is 56.0647

Class turkey : (5777/8924) -> accuracy: 64.7355%

Class germany: (4825/8983) -> accuracy: 53.7126%

Class russia : (5846/8963) -> accuracy: 65.2237%

Class us : (4191/8977) -> accuracy: 46.6860%

Class france : (4478/8953) -> accuracy: 50.0168%

DEV accuracy on epoch 16/50 in train step 1009 = 55.8170%

Dev loss average for this epoch is 1.2678 and average acc is 55.8170

Class turkey : (5867/8924) -> accuracy: 65.7441%

Class germany: (3874/8983) -> accuracy: 43.1259%

Class russia : (5786/8963) -> accuracy: 64.5543%

Class us : (5034/8977) -> accuracy: 56.0766%

Class france : (4445/8953) -> accuracy: 49.6482%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1704 and average acc is 63.1485

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Epoch: 17/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 17/50 in train step 506 = 56.0312%

Dev loss average for this epoch is 1.2670 and average acc is 56.0313

Class turkey : (5920/8924) -> accuracy: 66.3380%

Class germany: (4927/8983) -> accuracy: 54.8480%

Class russia : (5565/8963) -> accuracy: 62.0886%

Class us : (4460/8977) -> accuracy: 49.6825%

Class france : (4230/8953) -> accuracy: 47.2467%

DEV accuracy on epoch 18/50 in train step 506 = 56.0201%

Dev loss average for this epoch is 1.2665 and average acc is 56.0201

Class turkey : (5600/8924) -> accuracy: 62.7521%

Class germany: (4626/8983) -> accuracy: 51.4973%

Class russia : (5748/8963) -> accuracy: 64.1303%

Class us : (4856/8977) -> accuracy: 54.0938%

Class france : (4267/8953) -> accuracy: 47.6600%

DEV accuracy on epoch 18/50 in train step 1009 = 55.9219%

Dev loss average for this epoch is 1.2652 and average acc is 55.9219

Class turkey : (5869/8924) -> accuracy: 65.7665%

Class germany: (4409/8983) -> accuracy: 49.0816%

Class russia : (5597/8963) -> accuracy: 62.4456%

Class us : (4814/8977) -> accuracy: 53.6259%

Class france : (4364/8953) -> accuracy: 48.7434%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1588 and average acc is 64.0240

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Epoch: 19/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 19/50 in train step 506 = 56.2031%

Dev loss average for this epoch is 1.2657 and average acc is 56.2031

Class turkey : (5703/8924) -> accuracy: 63.9063%

Class germany: (4761/8983) -> accuracy: 53.0001%

Class russia : (5799/8963) -> accuracy: 64.6993%

Class us : (4858/8977) -> accuracy: 54.1161%

Class france : (4058/8953) -> accuracy: 45.3256%

DEV accuracy on epoch 19/50 in train step 1009 = 56.0938%

Dev loss average for this epoch is 1.2731 and average acc is 56.0938

Class turkey : (6055/8924) -> accuracy: 67.8507%

Class germany: (4485/8983) -> accuracy: 49.9276%

Class russia : (5793/8963) -> accuracy: 64.6324%

Class us : (4457/8977) -> accuracy: 49.6491%

Class france : (4340/8953) -> accuracy: 48.4754%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1544 and average acc is 64.3417

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Epoch: 20/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 20/50 in train step 506 = 55.9196%

Dev loss average for this epoch is 1.2710 and average acc is 55.9196

Class turkey : (5798/8924) -> accuracy: 64.9709%

Class germany: (4423/8983) -> accuracy: 49.2374%

Class russia : (5750/8963) -> accuracy: 64.1526%

Class us : (4930/8977) -> accuracy: 54.9181%

Class france : (4151/8953) -> accuracy: 46.3643%

DEV accuracy on epoch 20/50 in train step 1009 = 55.6183%

Dev loss average for this epoch is 1.2840 and average acc is 55.6183

Class turkey : (6067/8924) -> accuracy: 67.9852%

Class germany: (4441/8983) -> accuracy: 49.4378%

Class russia : (6183/8963) -> accuracy: 68.9836%

Class us : (4544/8977) -> accuracy: 50.6182%

Class france : (3682/8953) -> accuracy: 41.1259%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1497 and average acc is 64.6803

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Epoch: 21/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 21/50 in train step 506 = 55.7679%

Dev loss average for this epoch is 1.2725 and average acc is 55.7679

Class turkey : (5641/8924) -> accuracy: 63.2116%

Class germany: (4573/8983) -> accuracy: 50.9073%

Class russia : (5949/8963) -> accuracy: 66.3729%

Class us : (4387/8977) -> accuracy: 48.8693%

Class france : (4434/8953) -> accuracy: 49.5253%

DEV accuracy on epoch 21/50 in train step 1009 = 55.5223%

Dev loss average for this epoch is 1.2908 and average acc is 55.5223

Class turkey : (5862/8924) -> accuracy: 65.6880%

Class germany: (4226/8983) -> accuracy: 47.0444%

Class russia : (6187/8963) -> accuracy: 69.0282%

Class us : (4354/8977) -> accuracy: 48.5017%

Class france : (4245/8953) -> accuracy: 47.4143%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1456 and average acc is 64.9111

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Epoch: 22/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 22/50 in train step 506 = 55.4286%

Dev loss average for this epoch is 1.2794 and average acc is 55.4286

Class turkey : (5830/8924) -> accuracy: 65.3294%

Class germany: (4614/8983) -> accuracy: 51.3637%

Class russia : (5600/8963) -> accuracy: 62.4791%

Class us : (4132/8977) -> accuracy: 46.0287%

Class france : (4656/8953) -> accuracy: 52.0049%

DEV accuracy on epoch 22/50 in train step 1009 = 55.3147%

Dev loss average for this epoch is 1.2991 and average acc is 55.3147

Class turkey : (5838/8924) -> accuracy: 65.4191%

Class germany: (4315/8983) -> accuracy: 48.0352%

Class russia : (6352/8963) -> accuracy: 70.8691%

Class us : (3998/8977) -> accuracy: 44.5360%

Class france : (4278/8953) -> accuracy: 47.7829%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1421 and average acc is 65.1917

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Epoch: 23/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 23/50 in train step 506 = 55.5402%

Dev loss average for this epoch is 1.2818 and average acc is 55.5402

Class turkey : (5613/8924) -> accuracy: 62.8978%

Class germany: (4813/8983) -> accuracy: 53.5790%

Class russia : (5592/8963) -> accuracy: 62.3898%

Class us : (4425/8977) -> accuracy: 49.2926%

Class france : (4439/8953) -> accuracy: 49.5811%

DEV accuracy on epoch 23/50 in train step 1009 = 55.2232%

Dev loss average for this epoch is 1.3112 and average acc is 55.2232

Class turkey : (5779/8924) -> accuracy: 64.7580%

Class germany: (4393/8983) -> accuracy: 48.9035%

Class russia : (6362/8963) -> accuracy: 70.9807%

Class us : (4082/8977) -> accuracy: 45.4718%

Class france : (4124/8953) -> accuracy: 46.0628%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1376 and average acc is 65.4859

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Epoch: 24/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 24/50 in train step 506 = 55.4219%

Dev loss average for this epoch is 1.2772 and average acc is 55.4219

Class turkey : (5905/8924) -> accuracy: 66.1699%

Class germany: (4689/8983) -> accuracy: 52.1986%

Class russia : (5443/8963) -> accuracy: 60.7274%

Class us : (4401/8977) -> accuracy: 49.0253%

Class france : (4391/8953) -> accuracy: 49.0450%

DEV accuracy on epoch 24/50 in train step 1009 = 55.2701%

Dev loss average for this epoch is 1.2884 and average acc is 55.2701

Class turkey : (5607/8924) -> accuracy: 62.8306%

Class germany: (4757/8983) -> accuracy: 52.9556%

Class russia : (5942/8963) -> accuracy: 66.2948%

Class us : (4115/8977) -> accuracy: 45.8394%

Class france : (4340/8953) -> accuracy: 48.4754%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1350 and average acc is 65.7162

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Epoch: 25/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 25/50 in train step 506 = 55.1763%

Dev loss average for this epoch is 1.2826 and average acc is 55.1763

Class turkey : (5740/8924) -> accuracy: 64.3209%

Class germany: (4945/8983) -> accuracy: 55.0484%

Class russia : (5024/8963) -> accuracy: 56.0527%

Class us : (4540/8977) -> accuracy: 50.5737%

Class france : (4470/8953) -> accuracy: 49.9274%

DEV accuracy on epoch 25/50 in train step 1009 = 55.4085%

Dev loss average for this epoch is 1.2985 and average acc is 55.4085

Class turkey : (5949/8924) -> accuracy: 66.6629%

Class germany: (4580/8983) -> accuracy: 50.9852%

Class russia : (6153/8963) -> accuracy: 68.6489%

Class us : (3919/8977) -> accuracy: 43.6560%

Class france : (4222/8953) -> accuracy: 47.1574%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1333 and average acc is 65.8782

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Epoch: 26/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 26/50 in train step 506 = 55.1786%

Dev loss average for this epoch is 1.2814 and average acc is 55.1786

Class turkey : (5661/8924) -> accuracy: 63.4357%

Class germany: (5060/8983) -> accuracy: 56.3286%

Class russia : (5081/8963) -> accuracy: 56.6886%

Class us : (4603/8977) -> accuracy: 51.2755%

Class france : (4315/8953) -> accuracy: 48.1961%

DEV accuracy on epoch 26/50 in train step 1009 = 55.2835%

Dev loss average for this epoch is 1.2901 and average acc is 55.2835

Class turkey : (5768/8924) -> accuracy: 64.6347%

Class germany: (4841/8983) -> accuracy: 53.8907%

Class russia : (5716/8963) -> accuracy: 63.7733%

Class us : (4131/8977) -> accuracy: 46.0176%

Class france : (4311/8953) -> accuracy: 48.1515%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1253 and average acc is 66.3876

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Epoch: 27/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 27/50 in train step 506 = 55.0536%

Dev loss average for this epoch is 1.2960 and average acc is 55.0536

Class turkey : (5499/8924) -> accuracy: 61.6203%

Class germany: (5007/8983) -> accuracy: 55.7386%

Class russia : (5010/8963) -> accuracy: 55.8965%

Class us : (4569/8977) -> accuracy: 50.8967%

Class france : (4579/8953) -> accuracy: 51.1449%

DEV accuracy on epoch 27/50 in train step 1009 = 55.2009%

Dev loss average for this epoch is 1.3031 and average acc is 55.2009

Class turkey : (5767/8924) -> accuracy: 64.6235%

Class germany: (4760/8983) -> accuracy: 52.9890%

Class russia : (5997/8963) -> accuracy: 66.9084%

Class us : (3973/8977) -> accuracy: 44.2575%

Class france : (4233/8953) -> accuracy: 47.2802%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1220 and average acc is 66.6240

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Epoch: 28/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 28/50 in train step 506 = 55.0089%

Dev loss average for this epoch is 1.2906 and average acc is 55.0089

Class turkey : (5509/8924) -> accuracy: 61.7324%

Class germany: (4981/8983) -> accuracy: 55.4492%

Class russia : (5171/8963) -> accuracy: 57.6927%

Class us : (4942/8977) -> accuracy: 55.0518%

Class france : (4041/8953) -> accuracy: 45.1357%

DEV accuracy on epoch 28/50 in train step 1009 = 55.1451%

Dev loss average for this epoch is 1.2999 and average acc is 55.1451

Class turkey : (5867/8924) -> accuracy: 65.7441%

Class germany: (5112/8983) -> accuracy: 56.9075%

Class russia : (5800/8963) -> accuracy: 64.7105%

Class us : (3924/8977) -> accuracy: 43.7117%

Class france : (4002/8953) -> accuracy: 44.7001%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1203 and average acc is 66.7616

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Epoch: 29/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 29/50 in train step 506 = 55.1295%

Dev loss average for this epoch is 1.2900 and average acc is 55.1295

Class turkey : (5504/8924) -> accuracy: 61.6764%

Class germany: (4796/8983) -> accuracy: 53.3897%

Class russia : (5393/8963) -> accuracy: 60.1696%

Class us : (4737/8977) -> accuracy: 52.7682%

Class france : (4268/8953) -> accuracy: 47.6712%

DEV accuracy on epoch 29/50 in train step 1009 = 55.1741%

Dev loss average for this epoch is 1.2928 and average acc is 55.1741

Class turkey : (5809/8924) -> accuracy: 65.0941%

Class germany: (5142/8983) -> accuracy: 57.2415%

Class russia : (5408/8963) -> accuracy: 60.3369%

Class us : (4307/8977) -> accuracy: 47.9782%

Class france : (4052/8953) -> accuracy: 45.2586%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1175 and average acc is 66.9266

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Epoch: 30/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 30/50 in train step 506 = 54.5335%

Dev loss average for this epoch is 1.3009 and average acc is 54.5335

Class turkey : (5197/8924) -> accuracy: 58.2362%

Class germany: (5058/8983) -> accuracy: 56.3064%

Class russia : (5013/8963) -> accuracy: 55.9299%

Class us : (4514/8977) -> accuracy: 50.2841%

Class france : (4649/8953) -> accuracy: 51.9267%

DEV accuracy on epoch 30/50 in train step 1009 = 55.2879%

Dev loss average for this epoch is 1.2963 and average acc is 55.2879

Class turkey : (5532/8924) -> accuracy: 61.9901%

Class germany: (4964/8983) -> accuracy: 55.2599%

Class russia : (5399/8963) -> accuracy: 60.2365%

Class us : (4540/8977) -> accuracy: 50.5737%

Class france : (4334/8953) -> accuracy: 48.4084%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1167 and average acc is 67.0437

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Epoch: 31/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 31/50 in train step 506 = 54.9397%

Dev loss average for this epoch is 1.2978 and average acc is 54.9397

Class turkey : (5452/8924) -> accuracy: 61.0937%

Class germany: (5103/8983) -> accuracy: 56.8073%

Class russia : (5251/8963) -> accuracy: 58.5853%

Class us : (4336/8977) -> accuracy: 48.3012%

Class france : (4471/8953) -> accuracy: 49.9386%

DEV accuracy on epoch 31/50 in train step 1009 = 55.2679%

Dev loss average for this epoch is 1.3037 and average acc is 55.2679

Class turkey : (5425/8924) -> accuracy: 60.7911%

Class germany: (5162/8983) -> accuracy: 57.4641%

Class russia : (5565/8963) -> accuracy: 62.0886%

Class us : (4442/8977) -> accuracy: 49.4820%

Class france : (4166/8953) -> accuracy: 46.5319%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1119 and average acc is 67.3009

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Epoch: 32/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 32/50 in train step 506 = 54.7478%

Dev loss average for this epoch is 1.2991 and average acc is 54.7478

Class turkey : (5515/8924) -> accuracy: 61.7996%

Class germany: (4822/8983) -> accuracy: 53.6792%

Class russia : (5109/8963) -> accuracy: 57.0010%

Class us : (4912/8977) -> accuracy: 54.7176%

Class france : (4169/8953) -> accuracy: 46.5654%

DEV accuracy on epoch 32/50 in train step 1009 = 55.0000%

Dev loss average for this epoch is 1.3106 and average acc is 55.0000

Class turkey : (5292/8924) -> accuracy: 59.3008%

Class germany: (5056/8983) -> accuracy: 56.2841%

Class russia : (5792/8963) -> accuracy: 64.6212%

Class us : (4297/8977) -> accuracy: 47.8668%

Class france : (4203/8953) -> accuracy: 46.9452%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1086 and average acc is 67.5442

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Epoch: 33/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 33/50 in train step 506 = 54.8013%

Dev loss average for this epoch is 1.3010 and average acc is 54.8013

Class turkey : (5404/8924) -> accuracy: 60.5558%

Class germany: (4972/8983) -> accuracy: 55.3490%

Class russia : (5228/8963) -> accuracy: 58.3287%

Class us : (4730/8977) -> accuracy: 52.6902%

Class france : (4217/8953) -> accuracy: 47.1015%

DEV accuracy on epoch 33/50 in train step 1009 = 55.1138%

Dev loss average for this epoch is 1.3105 and average acc is 55.1138

Class turkey : (5538/8924) -> accuracy: 62.0574%

Class germany: (5070/8983) -> accuracy: 56.4399%

Class russia : (5799/8963) -> accuracy: 64.6993%

Class us : (4229/8977) -> accuracy: 47.1093%

Class france : (4055/8953) -> accuracy: 45.2921%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1046 and average acc is 67.7572

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Epoch: 34/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 34/50 in train step 506 = 54.9062%

Dev loss average for this epoch is 1.3028 and average acc is 54.9063

Class turkey : (5424/8924) -> accuracy: 60.7799%

Class germany: (5174/8983) -> accuracy: 57.5977%

Class russia : (5362/8963) -> accuracy: 59.8237%

Class us : (4557/8977) -> accuracy: 50.7631%

Class france : (4081/8953) -> accuracy: 45.5825%

DEV accuracy on epoch 34/50 in train step 1009 = 55.0714%

Dev loss average for this epoch is 1.3100 and average acc is 55.0714

Class turkey : (5445/8924) -> accuracy: 61.0152%

Class germany: (5053/8983) -> accuracy: 56.2507%

Class russia : (5743/8963) -> accuracy: 64.0745%

Class us : (4187/8977) -> accuracy: 46.6414%

Class france : (4244/8953) -> accuracy: 47.4031%

Epoch run time: 00:16:25

Train average loss for this epoch is 1.1054 and average acc is 67.7880

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Epoch: 35/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 35/50 in train step 506 = 55.1116%

Dev loss average for this epoch is 1.3060 and average acc is 55.1116

Class turkey : (5467/8924) -> accuracy: 61.2618%

Class germany: (5244/8983) -> accuracy: 58.3769%

Class russia : (5694/8963) -> accuracy: 63.5278%

Class us : (4342/8977) -> accuracy: 48.3681%

Class france : (3943/8953) -> accuracy: 44.0411%

DEV accuracy on epoch 35/50 in train step 1009 = 54.7723%

Dev loss average for this epoch is 1.3156 and average acc is 54.7723

Class turkey : (5295/8924) -> accuracy: 59.3344%

Class germany: (4760/8983) -> accuracy: 52.9890%

Class russia : (5343/8963) -> accuracy: 59.6117%

Class us : (4880/8977) -> accuracy: 54.3611%

Class france : (4260/8953) -> accuracy: 47.5818%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1009 and average acc is 68.0734

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Epoch: 36/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 36/50 in train step 506 = 54.8616%

Dev loss average for this epoch is 1.3085 and average acc is 54.8616

Class turkey : (5420/8924) -> accuracy: 60.7351%

Class germany: (4908/8983) -> accuracy: 54.6365%

Class russia : (5548/8963) -> accuracy: 61.8989%

Class us : (4696/8977) -> accuracy: 52.3115%

Class france : (4006/8953) -> accuracy: 44.7448%

DEV accuracy on epoch 36/50 in train step 1009 = 55.1696%

Dev loss average for this epoch is 1.2968 and average acc is 55.1696

Class turkey : (5742/8924) -> accuracy: 64.3433%

Class germany: (4922/8983) -> accuracy: 54.7924%

Class russia : (5639/8963) -> accuracy: 62.9142%

Class us : (4521/8977) -> accuracy: 50.3620%

Class france : (3892/8953) -> accuracy: 43.4715%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1187 and average acc is 67.1361

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Epoch: 37/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 37/50 in train step 506 = 55.0089%

Dev loss average for this epoch is 1.3031 and average acc is 55.0089

Class turkey : (5496/8924) -> accuracy: 61.5867%

Class germany: (4844/8983) -> accuracy: 53.9241%

Class russia : (5597/8963) -> accuracy: 62.4456%

Class us : (4925/8977) -> accuracy: 54.8624%

Class france : (3782/8953) -> accuracy: 42.2428%

DEV accuracy on epoch 37/50 in train step 1009 = 55.3192%

Dev loss average for this epoch is 1.3031 and average acc is 55.3192

Class turkey : (5628/8924) -> accuracy: 63.0659%

Class germany: (4941/8983) -> accuracy: 55.0039%

Class russia : (5721/8963) -> accuracy: 63.8291%

Class us : (4423/8977) -> accuracy: 49.2704%

Class france : (4070/8953) -> accuracy: 45.4596%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1052 and average acc is 67.7559

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Epoch: 38/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 38/50 in train step 506 = 55.1027%

Dev loss average for this epoch is 1.3087 and average acc is 55.1027

Class turkey : (5452/8924) -> accuracy: 61.0937%

Class germany: (4909/8983) -> accuracy: 54.6477%

Class russia : (5476/8963) -> accuracy: 61.0956%

Class us : (4947/8977) -> accuracy: 55.1075%

Class france : (3902/8953) -> accuracy: 43.5832%

DEV accuracy on epoch 38/50 in train step 1009 = 55.2165%

Dev loss average for this epoch is 1.3040 and average acc is 55.2165

Class turkey : (5864/8924) -> accuracy: 65.7104%

Class germany: (5091/8983) -> accuracy: 56.6737%

Class russia : (5474/8963) -> accuracy: 61.0733%

Class us : (4510/8977) -> accuracy: 50.2395%

Class france : (3798/8953) -> accuracy: 42.4215%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0975 and average acc is 68.3197

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Epoch: 39/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 39/50 in train step 506 = 54.8839%

Dev loss average for this epoch is 1.3080 and average acc is 54.8839

Class turkey : (5616/8924) -> accuracy: 62.9314%

Class germany: (4851/8983) -> accuracy: 54.0020%

Class russia : (5431/8963) -> accuracy: 60.5936%

Class us : (4853/8977) -> accuracy: 54.0604%

Class france : (3837/8953) -> accuracy: 42.8571%

DEV accuracy on epoch 39/50 in train step 1009 = 55.0089%

Dev loss average for this epoch is 1.3086 and average acc is 55.0089

Class turkey : (5600/8924) -> accuracy: 62.7521%

Class germany: (5101/8983) -> accuracy: 56.7850%

Class russia : (5461/8963) -> accuracy: 60.9283%

Class us : (4521/8977) -> accuracy: 50.3620%

Class france : (3961/8953) -> accuracy: 44.2422%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0934 and average acc is 68.5958

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Epoch: 40/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 40/50 in train step 506 = 54.8616%

Dev loss average for this epoch is 1.3130 and average acc is 54.8616

Class turkey : (5595/8924) -> accuracy: 62.6961%

Class germany: (4928/8983) -> accuracy: 54.8592%

Class russia : (5443/8963) -> accuracy: 60.7274%

Class us : (4962/8977) -> accuracy: 55.2746%

Class france : (3650/8953) -> accuracy: 40.7685%

DEV accuracy on epoch 40/50 in train step 1009 = 55.0513%

Dev loss average for this epoch is 1.3083 and average acc is 55.0513

Class turkey : (5694/8924) -> accuracy: 63.8055%

Class germany: (4786/8983) -> accuracy: 53.2784%

Class russia : (5600/8963) -> accuracy: 62.4791%

Class us : (4399/8977) -> accuracy: 49.0030%

Class france : (4184/8953) -> accuracy: 46.7329%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0922 and average acc is 68.6838

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Epoch: 41/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 41/50 in train step 506 = 54.9174%

Dev loss average for this epoch is 1.3127 and average acc is 54.9174

Class turkey : (5731/8924) -> accuracy: 64.2201%

Class germany: (4973/8983) -> accuracy: 55.3601%

Class russia : (5345/8963) -> accuracy: 59.6341%

Class us : (4676/8977) -> accuracy: 52.0887%

Class france : (3878/8953) -> accuracy: 43.3151%

DEV accuracy on epoch 41/50 in train step 1009 = 55.0982%

Dev loss average for this epoch is 1.3095 and average acc is 55.0982

Class turkey : (5621/8924) -> accuracy: 62.9874%

Class germany: (5137/8983) -> accuracy: 57.1858%

Class russia : (5646/8963) -> accuracy: 62.9923%

Class us : (4515/8977) -> accuracy: 50.2952%

Class france : (3765/8953) -> accuracy: 42.0529%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0871 and average acc is 68.9513

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Epoch: 42/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 42/50 in train step 506 = 54.9397%

Dev loss average for this epoch is 1.3149 and average acc is 54.9397

Class turkey : (5624/8924) -> accuracy: 63.0211%

Class germany: (4878/8983) -> accuracy: 54.3026%

Class russia : (5525/8963) -> accuracy: 61.6423%

Class us : (4757/8977) -> accuracy: 52.9910%

Class france : (3829/8953) -> accuracy: 42.7678%

DEV accuracy on epoch 42/50 in train step 1009 = 54.9397%

Dev loss average for this epoch is 1.3130 and average acc is 54.9397

Class turkey : (5762/8924) -> accuracy: 64.5675%

Class germany: (5059/8983) -> accuracy: 56.3175%

Class russia : (5509/8963) -> accuracy: 61.4638%

Class us : (4503/8977) -> accuracy: 50.1615%

Class france : (3780/8953) -> accuracy: 42.2205%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0860 and average acc is 69.0766

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Epoch: 43/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 43/50 in train step 506 = 54.9777%

Dev loss average for this epoch is 1.3156 and average acc is 54.9777

Class turkey : (5653/8924) -> accuracy: 63.3460%

Class germany: (4888/8983) -> accuracy: 54.4139%

Class russia : (5441/8963) -> accuracy: 60.7051%

Class us : (4613/8977) -> accuracy: 51.3869%

Class france : (4035/8953) -> accuracy: 45.0687%

DEV accuracy on epoch 43/50 in train step 1009 = 55.0402%

Dev loss average for this epoch is 1.3189 and average acc is 55.0402

Class turkey : (5804/8924) -> accuracy: 65.0381%

Class germany: (4867/8983) -> accuracy: 54.1801%

Class russia : (5706/8963) -> accuracy: 63.6617%

Class us : (4364/8977) -> accuracy: 48.6131%

Class france : (3917/8953) -> accuracy: 43.7507%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0887 and average acc is 68.9629

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

Epoch: 44/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 44/50 in train step 506 = 54.2679%

Dev loss average for this epoch is 1.3173 and average acc is 54.2679

Class turkey : (5312/8924) -> accuracy: 59.5249%

Class germany: (4671/8983) -> accuracy: 51.9982%

Class russia : (5106/8963) -> accuracy: 56.9675%

Class us : (5402/8977) -> accuracy: 60.1760%

Class france : (3821/8953) -> accuracy: 42.6784%

DEV accuracy on epoch 44/50 in train step 1009 = 55.0246%

Dev loss average for this epoch is 1.3129 and average acc is 55.0246

Class turkey : (5870/8924) -> accuracy: 65.7777%

Class germany: (4698/8983) -> accuracy: 52.2988%

Class russia : (5682/8963) -> accuracy: 63.3940%

Class us : (4445/8977) -> accuracy: 49.5154%

Class france : (3956/8953) -> accuracy: 44.1863%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0966 and average acc is 68.5072

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

Epoch: 45/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 45/50 in train step 506 = 54.9129%

Dev loss average for this epoch is 1.3167 and average acc is 54.9129

Class turkey : (5670/8924) -> accuracy: 63.5365%

Class germany: (4773/8983) -> accuracy: 53.1337%

Class russia : (5769/8963) -> accuracy: 64.3646%

Class us : (4545/8977) -> accuracy: 50.6294%

Class france : (3844/8953) -> accuracy: 42.9353%

DEV accuracy on epoch 45/50 in train step 1009 = 54.9665%

Dev loss average for this epoch is 1.3215 and average acc is 54.9665

Class turkey : (5809/8924) -> accuracy: 65.0941%

Class germany: (4792/8983) -> accuracy: 53.3452%

Class russia : (5644/8963) -> accuracy: 62.9700%

Class us : (4365/8977) -> accuracy: 48.6243%

Class france : (4015/8953) -> accuracy: 44.8453%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0895 and average acc is 68.8841

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

Epoch: 46/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 46/50 in train step 506 = 54.7946%

Dev loss average for this epoch is 1.3188 and average acc is 54.7946

Class turkey : (5502/8924) -> accuracy: 61.6540%

Class germany: (4997/8983) -> accuracy: 55.6273%

Class russia : (5437/8963) -> accuracy: 60.6605%

Class us : (4580/8977) -> accuracy: 51.0193%

Class france : (4032/8953) -> accuracy: 45.0352%

DEV accuracy on epoch 46/50 in train step 1009 = 55.0513%

Dev loss average for this epoch is 1.3174 and average acc is 55.0513

Class turkey : (5725/8924) -> accuracy: 64.1528%

Class germany: (4728/8983) -> accuracy: 52.6328%

Class russia : (5697/8963) -> accuracy: 63.5613%

Class us : (4414/8977) -> accuracy: 49.1701%

Class france : (4099/8953) -> accuracy: 45.7835%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0897 and average acc is 68.8308

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Epoch: 47/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 47/50 in train step 506 = 54.7589%

Dev loss average for this epoch is 1.3167 and average acc is 54.7589

Class turkey : (5608/8924) -> accuracy: 62.8418%

Class germany: (4898/8983) -> accuracy: 54.5252%

Class russia : (5344/8963) -> accuracy: 59.6229%

Class us : (4725/8977) -> accuracy: 52.6345%

Class france : (3957/8953) -> accuracy: 44.1975%

DEV accuracy on epoch 47/50 in train step 1009 = 53.9554%

Dev loss average for this epoch is 1.2951 and average acc is 53.9554

Class turkey : (5651/8924) -> accuracy: 63.3236%

Class germany: (4697/8983) -> accuracy: 52.2877%

Class russia : (5490/8963) -> accuracy: 61.2518%

Class us : (4271/8977) -> accuracy: 47.5771%

Class france : (4063/8953) -> accuracy: 45.3814%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1255 and average acc is 66.6354

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Epoch: 48/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 48/50 in train step 506 = 54.5692%

Dev loss average for this epoch is 1.3010 and average acc is 54.5692

Class turkey : (5773/8924) -> accuracy: 64.6907%

Class germany: (4841/8983) -> accuracy: 53.8907%

Class russia : (5481/8963) -> accuracy: 61.1514%

Class us : (4524/8977) -> accuracy: 50.3955%

Class france : (3828/8953) -> accuracy: 42.7566%

DEV accuracy on epoch 48/50 in train step 1009 = 54.4754%

Dev loss average for this epoch is 1.3064 and average acc is 54.4754

Class turkey : (5821/8924) -> accuracy: 65.2286%

Class germany: (4621/8983) -> accuracy: 51.4416%

Class russia : (5242/8963) -> accuracy: 58.4849%

Class us : (4357/8977) -> accuracy: 48.5351%

Class france : (4364/8953) -> accuracy: 48.7434%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.1282 and average acc is 66.5072

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

Epoch: 49/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 49/50 in train step 506 = 54.7589%

Dev loss average for this epoch is 1.3168 and average acc is 54.7589

Class turkey : (5748/8924) -> accuracy: 64.4106%

Class germany: (5043/8983) -> accuracy: 56.1394%

Class russia : (5475/8963) -> accuracy: 61.0845%

Class us : (4295/8977) -> accuracy: 47.8445%

Class france : (3971/8953) -> accuracy: 44.3538%

DEV accuracy on epoch 49/50 in train step 1009 = 54.6161%

Dev loss average for this epoch is 1.3138 and average acc is 54.6161

Class turkey : (5836/8924) -> accuracy: 65.3967%

Class germany: (4516/8983) -> accuracy: 50.2727%

Class russia : (5276/8963) -> accuracy: 58.8642%

Class us : (4409/8977) -> accuracy: 49.1144%

Class france : (4431/8953) -> accuracy: 49.4918%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0928 and average acc is 68.7577

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

Epoch: 50/50 ---- best so far on epoch 11: acc=56.3259%

DEV accuracy on epoch 50/50 in train step 506 = 54.2768%

Dev loss average for this epoch is 1.3119 and average acc is 54.2768

Class turkey : (5693/8924) -> accuracy: 63.7943%

Class germany: (4820/8983) -> accuracy: 53.6569%

Class russia : (5376/8963) -> accuracy: 59.9799%

Class us : (4194/8977) -> accuracy: 46.7194%

Class france : (4233/8953) -> accuracy: 47.2802%

DEV accuracy on epoch 50/50 in train step 1009 = 54.6629%

Dev loss average for this epoch is 1.3196 and average acc is 54.6629

Class turkey : (5834/8924) -> accuracy: 65.3743%

Class germany: (4714/8983) -> accuracy: 52.4769%

Class russia : (5279/8963) -> accuracy: 58.8977%

Class us : (4465/8977) -> accuracy: 49.7382%

Class france : (4197/8953) -> accuracy: 46.8781%

Epoch run time: 00:16:24

Train average loss for this epoch is 1.0828 and average acc is 69.3417

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

\*\*\*Training is complete. Best accuracy 56.3259% at epoch 11/50

\*\*\*Testing...

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

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

Test loss average for this epoch is 1.2494 and average acc is 56.1300

Accuracy on test set - (28065/50000) -> accuracy: 56.1300%

Class turkey : (6355/9971) -> accuracy: 63.7348%

Class germany: (5159/10023) -> accuracy: 51.4716%

Class russia : (6152/10183) -> accuracy: 60.4144%

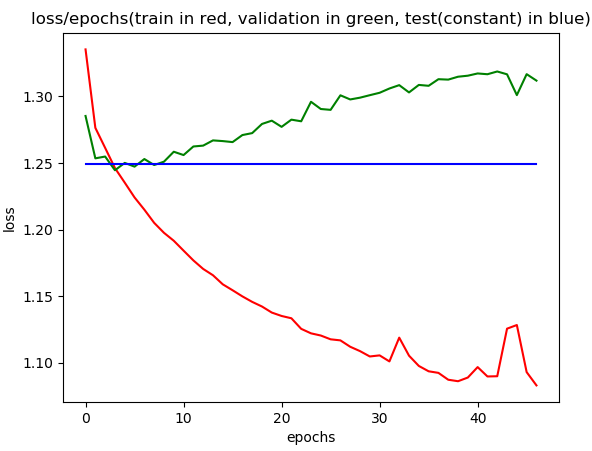
Class us : (5564/9978) -> accuracy: 55.7627%

Class france : (4835/9845) -> accuracy: 49.1112%

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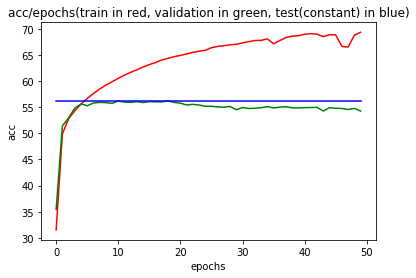
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[35.441964332546505, 51.41517831278699, 52.94196403452328, 54.828125052154064, 55.631696592484204, 55.2700894751719, 55.80133944749832, 55.9263392750706, 55.875000251191, 55.72991062487874, 56.1964286757367, 55.96875016178403, 55.92857184154647, 56.060268038085525, 55.890625236289836, 56.0647324259792, 56.03125020861626, 56.02008950497422, 56.20312531079564, 55.91964306575912, 55.767857336572234, 55.4285721055099, 55.54017887583801, 55.42187525757721, 55.17633972423417, 55.17857154565198, 55.05357161164284, 55.00892874385629, 55.12946460928235, 54.53348202364785, 54.939732141792774, 54.747767959322246, 54.80133923036712, 54.906250110694344, 55.111607164144516, 54.86160750899997, 55.00892863741943, 55.10267870766776, 54.88392875662872, 54.861607242907795, 54.917410814336364, 54.93973248771259, 54.97767872044018, 54.26785698426622, 54.91294663931642, 54.79464283479112, 54.75892842348132, 54.569196647831376, 54.75892850330898, 54.276785946318086]

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End summary ----------------------

data:

DATA\_FILE\_PATH is ../input/5way\_tur\_ger\_rus\_fra\_usa100K\_25-150.txt

MINIMUM\_ROW\_LENGTH is 25

MAXIMUM\_ROW\_LENGTH is 150

COUNT\_WORD is 20

lines\_per\_class is 100000

number of classes is 5

Total data size is 500000

embedding:

EMB\_FILE\_PATH ../input/glove.6B.300d.txt

EMB\_DIM 300

EMB\_WORDS\_COUNT 400001

run config:

EPOCHS 50

evaluating on dev data 2 times per epoch

KEEP\_PROB 0.15

BATCH\_SIZE 400

LSTM\_HIDDEN\_UNITS 100

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 at epoch=11 is 56.3259

testing acc 56.1300

Time(HH:MM:SS): 13:44:06

Leaving function \_\_main\_\_