

W&D_model_large

December 19, 2019

```
In [4]: from google.colab import drive
        drive.mount('/content/drive',force_remount=True)
```

Go to this URL in a browser: https://accounts.google.com/o/oauth2/auth?client_id=947318989803-

Enter your authorization code:

uuuuuuuuuuuu

Mounted at /content/drive

```
In [5]: import pandas as pd
        import numpy as np
        import tensorflow as tf

        import time
```

<IPython.core.display.HTML object>

```
In [0]: path="/content/drive/My Drive/yelp_final_data/"
```

0.0.1 In this notebook, we train and test the Wide and Deep model on the large dataset.

Outline of the notebook: 1. Train W&D model then test 2. Train Wide part separately then test 3. Train Deep part separately then test 4. Train the W&D model and test on the segmented user and business data

0.0.2 Build model using tensorflow.

We have tried different features we use in the Wide and Deep part of the network; in this notebook, we only demonstrate our final choices.

```
In [0]: CATEGORICAL_COLUMNS = ["user_id", "business_id", 'city', 'state', 'categories']
        CONTINUOUS_COLUMNS = ['index', "average_stars", 'useful_review', 'funny_review', 'cool_rev
        'num_friends', 'stars', 'useful',
        'funny', 'cool', 'fans', 'compliment_funny']
        #CONTINUOUS_COLUMNS=[]
        SURVIVED_COLUMN = "rating_review"
```

```

def build_estimator(model_dir,df,model_type=None):
    """Build an estimator."""
    # Categorical columns
    user_id = tf.contrib.layers.sparse_column_with_keys(column_name="user_id",
                                                         keys=[str(i) for i in list(np.unique(df['user_id']))])
    business_id = tf.contrib.layers.sparse_column_with_keys(column_name="business_id",
                                                            keys=[str(i) for i in list(np.unique(df['business_id']))])
    city= tf.contrib.layers.sparse_column_with_keys(column_name="city",
                                                    keys=[str(i) for i in list(np.unique(df['city']))])
    state= tf.contrib.layers.sparse_column_with_keys(column_name="state",
                                                    keys=[str(i) for i in list(np.unique(df['state']))])

    city2 = tf.contrib.layers.sparse_column_with_hash_bucket(
        "city", hash_bucket_size=len(np.unique(df['city'])))
    state2 = tf.contrib.layers.sparse_column_with_hash_bucket(
        "state", hash_bucket_size=700)
    categories = tf.contrib.layers.sparse_column_with_hash_bucket(
        "categories", hash_bucket_size=100)

    # Continuous columns
    average_stars = tf.contrib.layers.real_valued_column("average_stars")
    useful_review = tf.contrib.layers.real_valued_column("useful_review")
    compliment_more = tf.contrib.layers.real_valued_column("compliment_more")
    compliment_cute = tf.contrib.layers.real_valued_column("compliment_cute")
    num_friends = tf.contrib.layers.real_valued_column("num_friends")
    funny_review = tf.contrib.layers.real_valued_column("funny_review")
    cool_review = tf.contrib.layers.real_valued_column("cool_review")
    stars = tf.contrib.layers.real_valued_column("stars")
    #freq_business = tf.contrib.layers.real_valued_column("freq_business")
    #freq_user = tf.contrib.layers.real_valued_column("freq_user")
    useful = tf.contrib.layers.real_valued_column("useful")
    funny = tf.contrib.layers.real_valued_column("funny")
    cool = tf.contrib.layers.real_valued_column("cool")
    fans = tf.contrib.layers.real_valued_column("fans")
    compliment_funny = tf.contrib.layers.real_valued_column("compliment_funny")

    # Transformations.

    # Wide columns and deep columns.
    wide_columns=[average_stars,useful_review,compliment_more,compliment_cute,num_friends,
                  funny_review,cool_review,stars,state2,categories,
                  tf.contrib.layers.crossed_column(
                      [city, state],
                      hash_bucket_size=int(1e4))]

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deep_columns = [
    tf.contrib.layers.embedding_column(user_id, dimension=32),
    tf.contrib.layers.embedding_column(business_id, dimension=32),
    tf.contrib.layers.embedding_column(city, dimension=8),
    #tf.contrib.layers.embedding_column(state, dimension=8),
    average_stars,
    compliment_more,
    stars,
    #freq_business,
    #freq_user,
    useful,
    funny,
    cool,
    fans,
    compliment_funny,

]

optimizer=tf.train.ProximalAdagradOptimizer(learning_rate=0.1,
                                             l1_regularization_strength=0.001,
                                             l2_regularization_strength=0.001)

# learning_rate=tf.exponential_decay(
#     learning_rate=0.1,
#     global_step=tf.get_global_step(),
#     decay_steps=1000,
#     decay_rate=0.96))

if model_type=='DEEP':
    # return tf.contrib.learn.DNNRegressor(feature_columns=deep_columns,
    #                                     hidden_units=[100,50])
    return tf.estimator.DNNRegressor(feature_columns=deep_columns,hidden_units=[100,50])

if model_type=='WD':

    return tf.estimator.DNNLinearCombinedRegressor(
        linear_feature_columns=wide_columns,
        dnn_feature_columns=deep_columns,
        dnn_hidden_units=[100,100,50,25],
        batch_norm=True,
        dnn_dropout=0.5,
        dnn_optimizer=optimizer
    )

# tf.train.ProximalAdagradOptimizer(
#     learning_rate=0.1,
#     l1_regularization_strength=0.001,
#     l2_regularization_strength=0.001)
# To apply learning rate decay, you can set dnn_optimizer to a callable:

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if model_type=='Linear':
    return tf.estimator.LinearRegressor(feature_columns=wide_columns)
    # return tf.contrib.learn.LinearRegressor(

        feature_columns=wide_columns)

# return tf.contrib.learn.DNNLinearCombinedClassifier(
#     linear_feature_columns=wide_columns,
#     dnn_feature_columns=deep_columns,
#     dnn_hidden_units=[100, 50])

def input_fn(df, train=False):
    """Input builder function."""
    # Creates a dictionary mapping from each continuous feature column name (k) to
    # the values of that column stored in a constant Tensor.
    if len(CONTINUOUS_COLUMNS)>0:
        continuous_cols = {k: tf.constant(df[k].values) for k in CONTINUOUS_COLUMNS}
    # Creates a dictionary mapping from each categorical feature column name (k)
    # to the values of that column stored in a tf.SparseTensor.
    else:
        continuous_cols=[]

    if len(CATEGORICAL_COLUMNS)>0:
        categorical_cols = {k: tf.SparseTensor(
            indices=[[i, 0] for i in range(df[k].size)],
            values=df[k].values,
            dense_shape=[df[k].size, 1])
            for k in CATEGORICAL_COLUMNS}
    else:
        categorical_cols=[]
    # Merges the two dictionaries into one.
    feature_cols = dict(continuous_cols)
    feature_cols.update(categorical_cols)
    # Converts the label column into a constant Tensor.
    if train:
        label = tf.constant(df[SURVIVED_COLUMN].values)
        # Returns the feature columns and the label.
        return feature_cols, label
    else:
        return feature_cols

```

```

In [0]: def train_input_fn6():
    titanic_file=path+'new_train.csv'
    titanic = tf.data.experimental.make_csv_dataset(

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        titanic_file, batch_size=128,
        label_name="rating_review")
    titanic_batches = (
        titanic.cache().repeat().shuffle(500)
        .prefetch(tf.data.experimental.AUTOTUNE))
    return titanic_batches

In [0]: tf.logging.set_verbosity(tf.logging.INFO)

In [0]: df_train = pd.read_csv(
    tf.gfile.Open(path+"new_train.csv"),
    skipinitialspace=True)

In [21]: #tf.logging.set_verbosity(tf.logging.INFO)
# df_train = pd.read_csv(
#     tf.gfile.Open(path+"new_train.csv"),
#     skipinitialspace=True)
# # df_test = pd.read_csv(
# #     tf.gfile.Open(path+"test4.csv"),
# #     skipinitialspace=True)

def create_model_dir(model_type):
    return 'models/model_' + model_type + '_' + str(int(time.time()))

model_type='WD'
model_dir=create_model_dir(model_type)
print(model_dir)
print("model directory = %s" % model_dir)

m = build_estimator(model_dir=model_dir,df=df_train,model_type=model_type)
m = m.train(input_fn=train_input_fn6, steps=150000)

models/model_WD_1576700251
model directory = models/model_WD_1576700251
WARNING:tensorflow:The default stddev value of initializer was changed from "1/sqrt(vocab_size)
WARNING:tensorflow:The default stddev value of initializer was changed from "1/sqrt(vocab_size)
WARNING:tensorflow:The default stddev value of initializer was changed from "1/sqrt(vocab_size)
INFO:tensorflow:Using default config.
WARNING:tensorflow:Using temporary folder as model directory: /tmp/tmp95_bbwn2
INFO:tensorflow:Using config: {'_model_dir': '/tmp/tmp95_bbwn2', '_tf_random_seed': None, '_sa
graph_options {
  rewrite_options {
    meta_optimizer_iterations: ONE
  }
}
, '_keep_checkpoint_max': 5, '_keep_checkpoint_every_n_hours': 10000, '_log_step_count_steps':
INFO:tensorflow:Calling model_fn.
INFO:tensorflow:Done calling model_fn.
INFO:tensorflow:Create CheckpointSaverHook.

```

INFO:tensorflow:Graph was finalized.
INFO:tensorflow:Running local_init_op.
INFO:tensorflow:Done running local_init_op.
INFO:tensorflow:Saving checkpoints for 0 into /tmp/tmp95_bbwn2/model.ckpt.
INFO:tensorflow:loss = 2088.523, step = 0
INFO:tensorflow:global_step/sec: 49.5576
INFO:tensorflow:loss = 202.23177, step = 100 (2.022 sec)
INFO:tensorflow:global_step/sec: 68.0207
INFO:tensorflow:loss = 159.59082, step = 200 (1.470 sec)
INFO:tensorflow:global_step/sec: 67.534
INFO:tensorflow:loss = 141.69092, step = 300 (1.478 sec)
INFO:tensorflow:global_step/sec: 68.8578
INFO:tensorflow:loss = 190.25, step = 400 (1.455 sec)
INFO:tensorflow:global_step/sec: 67.9496
INFO:tensorflow:loss = 140.17827, step = 500 (1.472 sec)
INFO:tensorflow:global_step/sec: 68.8718
INFO:tensorflow:loss = 170.70819, step = 600 (1.452 sec)
INFO:tensorflow:global_step/sec: 68.935
INFO:tensorflow:loss = 147.62698, step = 700 (1.448 sec)
INFO:tensorflow:global_step/sec: 69.3146
INFO:tensorflow:loss = 198.7669, step = 800 (1.442 sec)
INFO:tensorflow:global_step/sec: 67.5378
INFO:tensorflow:loss = 165.13818, step = 900 (1.481 sec)
INFO:tensorflow:global_step/sec: 65.9534
INFO:tensorflow:loss = 166.92072, step = 1000 (1.516 sec)
INFO:tensorflow:global_step/sec: 68.0982
INFO:tensorflow:loss = 194.69339, step = 1100 (1.469 sec)
INFO:tensorflow:global_step/sec: 69.6544
INFO:tensorflow:loss = 164.48927, step = 1200 (1.435 sec)
INFO:tensorflow:global_step/sec: 69.6842
INFO:tensorflow:loss = 177.20284, step = 1300 (1.436 sec)
INFO:tensorflow:global_step/sec: 67.982
INFO:tensorflow:loss = 162.6756, step = 1400 (1.471 sec)
INFO:tensorflow:global_step/sec: 65.2676
INFO:tensorflow:loss = 159.6971, step = 1500 (1.532 sec)
INFO:tensorflow:global_step/sec: 67.0473
INFO:tensorflow:loss = 142.75815, step = 1600 (1.493 sec)
INFO:tensorflow:global_step/sec: 66.0821
INFO:tensorflow:loss = 135.00377, step = 1700 (1.510 sec)
INFO:tensorflow:global_step/sec: 64.029
INFO:tensorflow:loss = 133.28087, step = 1800 (1.564 sec)
INFO:tensorflow:global_step/sec: 65.3332
INFO:tensorflow:loss = 168.31212, step = 1900 (1.533 sec)
INFO:tensorflow:global_step/sec: 62.4135
INFO:tensorflow:loss = 154.19629, step = 2000 (1.601 sec)
INFO:tensorflow:global_step/sec: 66.4498
INFO:tensorflow:loss = 138.03076, step = 2100 (1.505 sec)
INFO:tensorflow:global_step/sec: 67.21

INFO:tensorflow:loss = 145.31235, step = 2200 (1.489 sec)
INFO:tensorflow:global_step/sec: 65.4666
INFO:tensorflow:loss = 150.69008, step = 2300 (1.524 sec)
INFO:tensorflow:global_step/sec: 67.1999
INFO:tensorflow:loss = 141.31569, step = 2400 (1.491 sec)
INFO:tensorflow:global_step/sec: 64.7168
INFO:tensorflow:loss = 179.6486, step = 2500 (1.545 sec)
INFO:tensorflow:global_step/sec: 64.939
INFO:tensorflow:loss = 112.579025, step = 2600 (1.537 sec)
INFO:tensorflow:global_step/sec: 64.4978
INFO:tensorflow:loss = 125.962845, step = 2700 (1.551 sec)
INFO:tensorflow:global_step/sec: 66.0552
INFO:tensorflow:loss = 193.42204, step = 2800 (1.516 sec)
INFO:tensorflow:global_step/sec: 63.7125
INFO:tensorflow:loss = 160.78604, step = 2900 (1.568 sec)
INFO:tensorflow:global_step/sec: 65.5957
INFO:tensorflow:loss = 192.69266, step = 3000 (1.523 sec)
INFO:tensorflow:global_step/sec: 67.114
INFO:tensorflow:loss = 163.6958, step = 3100 (1.491 sec)
INFO:tensorflow:global_step/sec: 65.7688
INFO:tensorflow:loss = 144.50417, step = 3200 (1.522 sec)
INFO:tensorflow:global_step/sec: 65.5094
INFO:tensorflow:loss = 155.36163, step = 3300 (1.527 sec)
INFO:tensorflow:global_step/sec: 65.4823
INFO:tensorflow:loss = 166.18222, step = 3400 (1.526 sec)
INFO:tensorflow:global_step/sec: 64.7194
INFO:tensorflow:loss = 153.94379, step = 3500 (1.544 sec)
INFO:tensorflow:global_step/sec: 66.7606
INFO:tensorflow:loss = 227.95683, step = 3600 (1.501 sec)
INFO:tensorflow:global_step/sec: 63.4714
INFO:tensorflow:loss = 145.81262, step = 3700 (1.573 sec)
INFO:tensorflow:global_step/sec: 64.3503
INFO:tensorflow:loss = 142.93243, step = 3800 (1.557 sec)
INFO:tensorflow:global_step/sec: 65.425
INFO:tensorflow:loss = 122.96136, step = 3900 (1.527 sec)
INFO:tensorflow:global_step/sec: 63.6436
INFO:tensorflow:loss = 182.43362, step = 4000 (1.571 sec)
INFO:tensorflow:global_step/sec: 65.0442
INFO:tensorflow:loss = 180.75891, step = 4100 (1.536 sec)
INFO:tensorflow:global_step/sec: 65.889
INFO:tensorflow:loss = 144.78835, step = 4200 (1.520 sec)
INFO:tensorflow:global_step/sec: 63.7056
INFO:tensorflow:loss = 153.53442, step = 4300 (1.569 sec)
INFO:tensorflow:global_step/sec: 66.5715
INFO:tensorflow:loss = 159.83781, step = 4400 (1.503 sec)
INFO:tensorflow:global_step/sec: 66.055
INFO:tensorflow:loss = 181.80765, step = 4500 (1.514 sec)
INFO:tensorflow:global_step/sec: 66.1633

INFO:tensorflow:loss = 127.00386, step = 4600 (1.508 sec)
INFO:tensorflow:global_step/sec: 64.7874
INFO:tensorflow:loss = 162.48904, step = 4700 (1.545 sec)
INFO:tensorflow:global_step/sec: 67.1348
INFO:tensorflow:loss = 182.67331, step = 4800 (1.488 sec)
INFO:tensorflow:global_step/sec: 68.0136
INFO:tensorflow:loss = 131.76898, step = 4900 (1.470 sec)
INFO:tensorflow:global_step/sec: 69.8406
INFO:tensorflow:loss = 174.09369, step = 5000 (1.432 sec)
INFO:tensorflow:global_step/sec: 68.2241
INFO:tensorflow:loss = 165.04498, step = 5100 (1.468 sec)
INFO:tensorflow:global_step/sec: 70.4162
INFO:tensorflow:loss = 171.15028, step = 5200 (1.419 sec)
INFO:tensorflow:global_step/sec: 70.1366
INFO:tensorflow:loss = 151.21095, step = 5300 (1.426 sec)
INFO:tensorflow:global_step/sec: 69.6014
INFO:tensorflow:loss = 145.93939, step = 5400 (1.436 sec)
INFO:tensorflow:global_step/sec: 68.2092
INFO:tensorflow:loss = 150.75029, step = 5500 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.9492
INFO:tensorflow:loss = 175.97165, step = 5600 (1.433 sec)
INFO:tensorflow:global_step/sec: 68.4006
INFO:tensorflow:loss = 134.42923, step = 5700 (1.460 sec)
INFO:tensorflow:global_step/sec: 67.2128
INFO:tensorflow:loss = 127.665825, step = 5800 (1.487 sec)
INFO:tensorflow:global_step/sec: 67.1859
INFO:tensorflow:loss = 165.77847, step = 5900 (1.488 sec)
INFO:tensorflow:global_step/sec: 69.1425
INFO:tensorflow:loss = 167.55635, step = 6000 (1.450 sec)
INFO:tensorflow:global_step/sec: 67.9844
INFO:tensorflow:loss = 158.33438, step = 6100 (1.467 sec)
INFO:tensorflow:global_step/sec: 68.7565
INFO:tensorflow:loss = 120.70706, step = 6200 (1.454 sec)
INFO:tensorflow:global_step/sec: 68.8787
INFO:tensorflow:loss = 149.27849, step = 6300 (1.453 sec)
INFO:tensorflow:global_step/sec: 67.4918
INFO:tensorflow:loss = 147.332, step = 6400 (1.481 sec)
INFO:tensorflow:global_step/sec: 66.7416
INFO:tensorflow:loss = 151.16895, step = 6500 (1.498 sec)
INFO:tensorflow:global_step/sec: 68.8662
INFO:tensorflow:loss = 138.25232, step = 6600 (1.455 sec)
INFO:tensorflow:global_step/sec: 70.2099
INFO:tensorflow:loss = 123.478775, step = 6700 (1.423 sec)
INFO:tensorflow:global_step/sec: 68.1863
INFO:tensorflow:loss = 153.66812, step = 6800 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.3114
INFO:tensorflow:loss = 172.50546, step = 6900 (1.482 sec)
INFO:tensorflow:global_step/sec: 68.2945

INFO:tensorflow:loss = 175.37715, step = 7000 (1.464 sec)
INFO:tensorflow:global_step/sec: 70.1313
INFO:tensorflow:loss = 133.2636, step = 7100 (1.429 sec)
INFO:tensorflow:global_step/sec: 67.7617
INFO:tensorflow:loss = 166.05249, step = 7200 (1.475 sec)
INFO:tensorflow:global_step/sec: 68.4366
INFO:tensorflow:loss = 150.30765, step = 7300 (1.462 sec)
INFO:tensorflow:global_step/sec: 69.9572
INFO:tensorflow:loss = 143.69687, step = 7400 (1.429 sec)
INFO:tensorflow:global_step/sec: 66.1194
INFO:tensorflow:loss = 164.71646, step = 7500 (1.513 sec)
INFO:tensorflow:global_step/sec: 69.9404
INFO:tensorflow:loss = 167.74199, step = 7600 (1.428 sec)
INFO:tensorflow:global_step/sec: 68.4857
INFO:tensorflow:loss = 149.4982, step = 7700 (1.461 sec)
INFO:tensorflow:global_step/sec: 65.7172
INFO:tensorflow:loss = 144.09586, step = 7800 (1.520 sec)
INFO:tensorflow:global_step/sec: 68.5953
INFO:tensorflow:loss = 130.31673, step = 7900 (1.456 sec)
INFO:tensorflow:global_step/sec: 67.4558
INFO:tensorflow:loss = 151.6968, step = 8000 (1.483 sec)
INFO:tensorflow:global_step/sec: 67.0975
INFO:tensorflow:loss = 138.7218, step = 8100 (1.492 sec)
INFO:tensorflow:global_step/sec: 70.9805
INFO:tensorflow:loss = 150.04903, step = 8200 (1.410 sec)
INFO:tensorflow:global_step/sec: 67.7407
INFO:tensorflow:loss = 180.17908, step = 8300 (1.476 sec)
INFO:tensorflow:global_step/sec: 68.3099
INFO:tensorflow:loss = 134.04065, step = 8400 (1.463 sec)
INFO:tensorflow:global_step/sec: 68.5261
INFO:tensorflow:loss = 181.01839, step = 8500 (1.460 sec)
INFO:tensorflow:global_step/sec: 68.7516
INFO:tensorflow:loss = 125.15316, step = 8600 (1.452 sec)
INFO:tensorflow:global_step/sec: 66.0811
INFO:tensorflow:loss = 147.08493, step = 8700 (1.513 sec)
INFO:tensorflow:global_step/sec: 66.4495
INFO:tensorflow:loss = 124.90361, step = 8800 (1.507 sec)
INFO:tensorflow:global_step/sec: 66.9769
INFO:tensorflow:loss = 199.51122, step = 8900 (1.494 sec)
INFO:tensorflow:global_step/sec: 66.2858
INFO:tensorflow:loss = 175.14713, step = 9000 (1.506 sec)
INFO:tensorflow:global_step/sec: 68.76
INFO:tensorflow:loss = 185.69122, step = 9100 (1.454 sec)
INFO:tensorflow:global_step/sec: 66.1408
INFO:tensorflow:loss = 187.47227, step = 9200 (1.514 sec)
INFO:tensorflow:global_step/sec: 66.0902
INFO:tensorflow:loss = 152.10368, step = 9300 (1.513 sec)
INFO:tensorflow:global_step/sec: 67.5047

INFO:tensorflow:loss = 150.33875, step = 9400 (1.480 sec)
INFO:tensorflow:global_step/sec: 67.9119
INFO:tensorflow:loss = 134.72137, step = 9500 (1.472 sec)
INFO:tensorflow:global_step/sec: 70.06
INFO:tensorflow:loss = 174.80223, step = 9600 (1.430 sec)
INFO:tensorflow:global_step/sec: 68.7892
INFO:tensorflow:loss = 188.97313, step = 9700 (1.455 sec)
INFO:tensorflow:global_step/sec: 67.3172
INFO:tensorflow:loss = 194.86862, step = 9800 (1.486 sec)
INFO:tensorflow:global_step/sec: 68.8414
INFO:tensorflow:loss = 175.77396, step = 9900 (1.449 sec)
INFO:tensorflow:global_step/sec: 67.3751
INFO:tensorflow:loss = 165.04211, step = 10000 (1.486 sec)
INFO:tensorflow:global_step/sec: 67.4653
INFO:tensorflow:loss = 158.33968, step = 10100 (1.483 sec)
INFO:tensorflow:global_step/sec: 68.3475
INFO:tensorflow:loss = 164.09079, step = 10200 (1.463 sec)
INFO:tensorflow:global_step/sec: 67.3613
INFO:tensorflow:loss = 162.91496, step = 10300 (1.485 sec)
INFO:tensorflow:global_step/sec: 68.8292
INFO:tensorflow:loss = 175.65305, step = 10400 (1.455 sec)
INFO:tensorflow:global_step/sec: 67.4797
INFO:tensorflow:loss = 187.31516, step = 10500 (1.479 sec)
INFO:tensorflow:global_step/sec: 69.8113
INFO:tensorflow:loss = 184.55435, step = 10600 (1.432 sec)
INFO:tensorflow:global_step/sec: 66.2965
INFO:tensorflow:loss = 176.15924, step = 10700 (1.509 sec)
INFO:tensorflow:global_step/sec: 68.3709
INFO:tensorflow:loss = 141.68933, step = 10800 (1.462 sec)
INFO:tensorflow:global_step/sec: 67.9919
INFO:tensorflow:loss = 168.01892, step = 10900 (1.471 sec)
INFO:tensorflow:global_step/sec: 66.4506
INFO:tensorflow:loss = 177.01086, step = 11000 (1.504 sec)
INFO:tensorflow:global_step/sec: 67.9702
INFO:tensorflow:loss = 132.11932, step = 11100 (1.471 sec)
INFO:tensorflow:global_step/sec: 69.4648
INFO:tensorflow:loss = 139.65932, step = 11200 (1.441 sec)
INFO:tensorflow:global_step/sec: 67.6047
INFO:tensorflow:loss = 184.19475, step = 11300 (1.475 sec)
INFO:tensorflow:global_step/sec: 68.6323
INFO:tensorflow:loss = 181.49995, step = 11400 (1.460 sec)
INFO:tensorflow:global_step/sec: 67.0733
INFO:tensorflow:loss = 176.03809, step = 11500 (1.491 sec)
INFO:tensorflow:global_step/sec: 67.9866
INFO:tensorflow:loss = 170.80316, step = 11600 (1.468 sec)
INFO:tensorflow:global_step/sec: 69.8124
INFO:tensorflow:loss = 171.76755, step = 11700 (1.434 sec)
INFO:tensorflow:global_step/sec: 68.1212

INFO:tensorflow:loss = 145.38474, step = 11800 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.4246
INFO:tensorflow:loss = 126.26587, step = 11900 (1.442 sec)
INFO:tensorflow:global_step/sec: 69.9542
INFO:tensorflow:loss = 128.70407, step = 12000 (1.431 sec)
INFO:tensorflow:global_step/sec: 67.3983
INFO:tensorflow:loss = 145.82161, step = 12100 (1.480 sec)
INFO:tensorflow:global_step/sec: 65.3127
INFO:tensorflow:loss = 116.45685, step = 12200 (1.533 sec)
INFO:tensorflow:global_step/sec: 66.0175
INFO:tensorflow:loss = 199.88705, step = 12300 (1.511 sec)
INFO:tensorflow:global_step/sec: 67.2338
INFO:tensorflow:loss = 140.64818, step = 12400 (1.487 sec)
INFO:tensorflow:global_step/sec: 66.7719
INFO:tensorflow:loss = 148.80145, step = 12500 (1.498 sec)
INFO:tensorflow:global_step/sec: 65.4365
INFO:tensorflow:loss = 154.28201, step = 12600 (1.528 sec)
INFO:tensorflow:global_step/sec: 69.3604
INFO:tensorflow:loss = 195.39185, step = 12700 (1.444 sec)
INFO:tensorflow:global_step/sec: 68.3899
INFO:tensorflow:loss = 178.20549, step = 12800 (1.460 sec)
INFO:tensorflow:global_step/sec: 68.7348
INFO:tensorflow:loss = 157.9829, step = 12900 (1.459 sec)
INFO:tensorflow:global_step/sec: 68.7405
INFO:tensorflow:loss = 189.9635, step = 13000 (1.454 sec)
INFO:tensorflow:global_step/sec: 68.6884
INFO:tensorflow:loss = 163.56094, step = 13100 (1.456 sec)
INFO:tensorflow:global_step/sec: 66.7042
INFO:tensorflow:loss = 152.92535, step = 13200 (1.496 sec)
INFO:tensorflow:global_step/sec: 66.9075
INFO:tensorflow:loss = 149.02875, step = 13300 (1.495 sec)
INFO:tensorflow:global_step/sec: 67.5377
INFO:tensorflow:loss = 161.28824, step = 13400 (1.483 sec)
INFO:tensorflow:global_step/sec: 66.7308
INFO:tensorflow:loss = 193.95384, step = 13500 (1.498 sec)
INFO:tensorflow:global_step/sec: 63.9891
INFO:tensorflow:loss = 171.24118, step = 13600 (1.566 sec)
INFO:tensorflow:global_step/sec: 64.802
INFO:tensorflow:loss = 155.22656, step = 13700 (1.542 sec)
INFO:tensorflow:global_step/sec: 65.5662
INFO:tensorflow:loss = 192.53745, step = 13800 (1.526 sec)
INFO:tensorflow:global_step/sec: 65.7581
INFO:tensorflow:loss = 180.69681, step = 13900 (1.518 sec)
INFO:tensorflow:global_step/sec: 65.5352
INFO:tensorflow:loss = 132.84344, step = 14000 (1.529 sec)
INFO:tensorflow:global_step/sec: 66.1174
INFO:tensorflow:loss = 191.18777, step = 14100 (1.511 sec)
INFO:tensorflow:global_step/sec: 61.9815

INFO:tensorflow:loss = 177.65611, step = 14200 (1.612 sec)
INFO:tensorflow:global_step/sec: 62.2248
INFO:tensorflow:loss = 165.27353, step = 14300 (1.606 sec)
INFO:tensorflow:global_step/sec: 63.2577
INFO:tensorflow:loss = 160.9138, step = 14400 (1.581 sec)
INFO:tensorflow:global_step/sec: 64.1288
INFO:tensorflow:loss = 172.00479, step = 14500 (1.559 sec)
INFO:tensorflow:global_step/sec: 63.9595
INFO:tensorflow:loss = 129.07693, step = 14600 (1.564 sec)
INFO:tensorflow:global_step/sec: 65.8843
INFO:tensorflow:loss = 180.12009, step = 14700 (1.521 sec)
INFO:tensorflow:global_step/sec: 66.3834
INFO:tensorflow:loss = 190.12393, step = 14800 (1.503 sec)
INFO:tensorflow:global_step/sec: 65.9489
INFO:tensorflow:loss = 169.72618, step = 14900 (1.517 sec)
INFO:tensorflow:global_step/sec: 67.6045
INFO:tensorflow:loss = 188.12682, step = 15000 (1.478 sec)
INFO:tensorflow:global_step/sec: 67.2306
INFO:tensorflow:loss = 201.54506, step = 15100 (1.487 sec)
INFO:tensorflow:global_step/sec: 67.4736
INFO:tensorflow:loss = 120.09321, step = 15200 (1.486 sec)
INFO:tensorflow:global_step/sec: 67.2486
INFO:tensorflow:loss = 173.76443, step = 15300 (1.486 sec)
INFO:tensorflow:global_step/sec: 69.6751
INFO:tensorflow:loss = 210.77878, step = 15400 (1.431 sec)
INFO:tensorflow:global_step/sec: 69.7398
INFO:tensorflow:loss = 183.53946, step = 15500 (1.438 sec)
INFO:tensorflow:global_step/sec: 69.6236
INFO:tensorflow:loss = 183.91406, step = 15600 (1.434 sec)
INFO:tensorflow:global_step/sec: 67.927
INFO:tensorflow:loss = 169.3575, step = 15700 (1.474 sec)
INFO:tensorflow:global_step/sec: 68.1381
INFO:tensorflow:loss = 122.82187, step = 15800 (1.467 sec)
INFO:tensorflow:global_step/sec: 65.2955
INFO:tensorflow:loss = 155.35992, step = 15900 (1.531 sec)
INFO:tensorflow:global_step/sec: 69.7456
INFO:tensorflow:loss = 148.1276, step = 16000 (1.433 sec)
INFO:tensorflow:global_step/sec: 70.0058
INFO:tensorflow:loss = 203.696, step = 16100 (1.427 sec)
INFO:tensorflow:global_step/sec: 68.6717
INFO:tensorflow:loss = 218.18805, step = 16200 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.1928
INFO:tensorflow:loss = 150.16573, step = 16300 (1.464 sec)
INFO:tensorflow:global_step/sec: 67.5121
INFO:tensorflow:loss = 109.97076, step = 16400 (1.481 sec)
INFO:tensorflow:global_step/sec: 66.661
INFO:tensorflow:loss = 154.72745, step = 16500 (1.500 sec)
INFO:tensorflow:global_step/sec: 69.2784

INFO:tensorflow:loss = 163.1145, step = 16600 (1.443 sec)
INFO:tensorflow:global_step/sec: 68.1358
INFO:tensorflow:loss = 178.85756, step = 16700 (1.468 sec)
INFO:tensorflow:global_step/sec: 65.5488
INFO:tensorflow:loss = 185.78172, step = 16800 (1.527 sec)
INFO:tensorflow:global_step/sec: 68.3595
INFO:tensorflow:loss = 166.3999, step = 16900 (1.464 sec)
INFO:tensorflow:global_step/sec: 69.7113
INFO:tensorflow:loss = 137.14644, step = 17000 (1.437 sec)
INFO:tensorflow:global_step/sec: 67.3894
INFO:tensorflow:loss = 167.40146, step = 17100 (1.482 sec)
INFO:tensorflow:global_step/sec: 68.4171
INFO:tensorflow:loss = 195.90579, step = 17200 (1.461 sec)
INFO:tensorflow:global_step/sec: 67.8709
INFO:tensorflow:loss = 148.7358, step = 17300 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.6643
INFO:tensorflow:loss = 153.01193, step = 17400 (1.457 sec)
INFO:tensorflow:global_step/sec: 70.3631
INFO:tensorflow:loss = 164.1019, step = 17500 (1.421 sec)
INFO:tensorflow:global_step/sec: 66.6756
INFO:tensorflow:loss = 178.28824, step = 17600 (1.498 sec)
INFO:tensorflow:global_step/sec: 68.8871
INFO:tensorflow:loss = 191.68289, step = 17700 (1.451 sec)
INFO:tensorflow:global_step/sec: 68.3892
INFO:tensorflow:loss = 165.68762, step = 17800 (1.464 sec)
INFO:tensorflow:global_step/sec: 67.0877
INFO:tensorflow:loss = 154.79785, step = 17900 (1.488 sec)
INFO:tensorflow:global_step/sec: 67.997
INFO:tensorflow:loss = 177.80167, step = 18000 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.6571
INFO:tensorflow:loss = 253.64229, step = 18100 (1.455 sec)
INFO:tensorflow:global_step/sec: 68.4522
INFO:tensorflow:loss = 142.03392, step = 18200 (1.459 sec)
INFO:tensorflow:global_step/sec: 69.1958
INFO:tensorflow:loss = 165.63925, step = 18300 (1.445 sec)
INFO:tensorflow:global_step/sec: 70.4935
INFO:tensorflow:loss = 184.6372, step = 18400 (1.418 sec)
INFO:tensorflow:global_step/sec: 68.2539
INFO:tensorflow:loss = 152.9835, step = 18500 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.3529
INFO:tensorflow:loss = 160.69406, step = 18600 (1.442 sec)
INFO:tensorflow:global_step/sec: 67.1168
INFO:tensorflow:loss = 165.65039, step = 18700 (1.493 sec)
INFO:tensorflow:global_step/sec: 69.1968
INFO:tensorflow:loss = 182.2117, step = 18800 (1.443 sec)
INFO:tensorflow:global_step/sec: 66.4897
INFO:tensorflow:loss = 134.3198, step = 18900 (1.505 sec)
INFO:tensorflow:global_step/sec: 67.4517

INFO:tensorflow:loss = 180.49298, step = 19000 (1.482 sec)
INFO:tensorflow:global_step/sec: 65.8701
INFO:tensorflow:loss = 142.78668, step = 19100 (1.517 sec)
INFO:tensorflow:global_step/sec: 69.8968
INFO:tensorflow:loss = 182.98462, step = 19200 (1.429 sec)
INFO:tensorflow:global_step/sec: 69.4781
INFO:tensorflow:loss = 170.61116, step = 19300 (1.443 sec)
INFO:tensorflow:global_step/sec: 67.9539
INFO:tensorflow:loss = 147.12961, step = 19400 (1.471 sec)
INFO:tensorflow:global_step/sec: 71.6291
INFO:tensorflow:loss = 190.04065, step = 19500 (1.393 sec)
INFO:tensorflow:global_step/sec: 68.3885
INFO:tensorflow:loss = 143.19603, step = 19600 (1.462 sec)
INFO:tensorflow:global_step/sec: 68.4831
INFO:tensorflow:loss = 177.00656, step = 19700 (1.460 sec)
INFO:tensorflow:global_step/sec: 69.2232
INFO:tensorflow:loss = 188.76718, step = 19800 (1.445 sec)
INFO:tensorflow:global_step/sec: 67.4351
INFO:tensorflow:loss = 155.31548, step = 19900 (1.483 sec)
INFO:tensorflow:global_step/sec: 68.7048
INFO:tensorflow:loss = 132.71616, step = 20000 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.0316
INFO:tensorflow:loss = 178.63028, step = 20100 (1.467 sec)
INFO:tensorflow:global_step/sec: 70.0433
INFO:tensorflow:loss = 130.95888, step = 20200 (1.428 sec)
INFO:tensorflow:global_step/sec: 70.0375
INFO:tensorflow:loss = 214.26706, step = 20300 (1.428 sec)
INFO:tensorflow:global_step/sec: 68.9531
INFO:tensorflow:loss = 170.30531, step = 20400 (1.453 sec)
INFO:tensorflow:global_step/sec: 68.6637
INFO:tensorflow:loss = 159.75858, step = 20500 (1.453 sec)
INFO:tensorflow:global_step/sec: 66.3542
INFO:tensorflow:loss = 186.82231, step = 20600 (1.508 sec)
INFO:tensorflow:global_step/sec: 66.3149
INFO:tensorflow:loss = 186.23468, step = 20700 (1.507 sec)
INFO:tensorflow:global_step/sec: 69.6942
INFO:tensorflow:loss = 168.97545, step = 20800 (1.435 sec)
INFO:tensorflow:global_step/sec: 67.6184
INFO:tensorflow:loss = 168.91649, step = 20900 (1.481 sec)
INFO:tensorflow:global_step/sec: 67.701
INFO:tensorflow:loss = 163.22113, step = 21000 (1.475 sec)
INFO:tensorflow:global_step/sec: 68.6576
INFO:tensorflow:loss = 132.6603, step = 21100 (1.456 sec)
INFO:tensorflow:global_step/sec: 68.5565
INFO:tensorflow:loss = 184.55737, step = 21200 (1.461 sec)
INFO:tensorflow:global_step/sec: 66.9391
INFO:tensorflow:loss = 165.22293, step = 21300 (1.493 sec)
INFO:tensorflow:global_step/sec: 65.7839

INFO:tensorflow:loss = 177.50333, step = 21400 (1.520 sec)
INFO:tensorflow:global_step/sec: 67.4447
INFO:tensorflow:loss = 172.24371, step = 21500 (1.481 sec)
INFO:tensorflow:global_step/sec: 66.5493
INFO:tensorflow:loss = 178.54749, step = 21600 (1.504 sec)
INFO:tensorflow:global_step/sec: 66.3805
INFO:tensorflow:loss = 119.81926, step = 21700 (1.508 sec)
INFO:tensorflow:global_step/sec: 67.0625
INFO:tensorflow:loss = 171.1151, step = 21800 (1.489 sec)
INFO:tensorflow:global_step/sec: 69.4253
INFO:tensorflow:loss = 213.87657, step = 21900 (1.440 sec)
INFO:tensorflow:global_step/sec: 67.9554
INFO:tensorflow:loss = 161.88853, step = 22000 (1.471 sec)
INFO:tensorflow:global_step/sec: 67.9585
INFO:tensorflow:loss = 160.04346, step = 22100 (1.474 sec)
INFO:tensorflow:global_step/sec: 68.4117
INFO:tensorflow:loss = 188.87186, step = 22200 (1.461 sec)
INFO:tensorflow:global_step/sec: 66.3411
INFO:tensorflow:loss = 160.61165, step = 22300 (1.509 sec)
INFO:tensorflow:global_step/sec: 69.8824
INFO:tensorflow:loss = 179.14758, step = 22400 (1.430 sec)
INFO:tensorflow:global_step/sec: 67.5655
INFO:tensorflow:loss = 162.12054, step = 22500 (1.484 sec)
INFO:tensorflow:global_step/sec: 66.7342
INFO:tensorflow:loss = 200.9412, step = 22600 (1.495 sec)
INFO:tensorflow:global_step/sec: 68.1333
INFO:tensorflow:loss = 256.26978, step = 22700 (1.467 sec)
INFO:tensorflow:global_step/sec: 66.6748
INFO:tensorflow:loss = 130.77351, step = 22800 (1.498 sec)
INFO:tensorflow:global_step/sec: 65.8965
INFO:tensorflow:loss = 161.37125, step = 22900 (1.522 sec)
INFO:tensorflow:global_step/sec: 66.6255
INFO:tensorflow:loss = 185.23083, step = 23000 (1.501 sec)
INFO:tensorflow:global_step/sec: 67.0886
INFO:tensorflow:loss = 164.73886, step = 23100 (1.487 sec)
INFO:tensorflow:global_step/sec: 67.6994
INFO:tensorflow:loss = 168.18044, step = 23200 (1.477 sec)
INFO:tensorflow:global_step/sec: 66.9993
INFO:tensorflow:loss = 143.73125, step = 23300 (1.495 sec)
INFO:tensorflow:global_step/sec: 66.911
INFO:tensorflow:loss = 178.57686, step = 23400 (1.494 sec)
INFO:tensorflow:global_step/sec: 67.981
INFO:tensorflow:loss = 134.28801, step = 23500 (1.468 sec)
INFO:tensorflow:global_step/sec: 69.7518
INFO:tensorflow:loss = 188.4523, step = 23600 (1.434 sec)
INFO:tensorflow:global_step/sec: 66.5774
INFO:tensorflow:loss = 193.5548, step = 23700 (1.502 sec)
INFO:tensorflow:global_step/sec: 68.6779

INFO:tensorflow:loss = 170.5129, step = 23800 (1.456 sec)
INFO:tensorflow:global_step/sec: 67.3312
INFO:tensorflow:loss = 169.92755, step = 23900 (1.488 sec)
INFO:tensorflow:global_step/sec: 65.5543
INFO:tensorflow:loss = 182.69374, step = 24000 (1.526 sec)
INFO:tensorflow:global_step/sec: 66.3992
INFO:tensorflow:loss = 228.23923, step = 24100 (1.504 sec)
INFO:tensorflow:global_step/sec: 66.204
INFO:tensorflow:loss = 177.41893, step = 24200 (1.511 sec)
INFO:tensorflow:global_step/sec: 68.1041
INFO:tensorflow:loss = 185.53485, step = 24300 (1.468 sec)
INFO:tensorflow:global_step/sec: 66.0835
INFO:tensorflow:loss = 217.50531, step = 24400 (1.512 sec)
INFO:tensorflow:global_step/sec: 67.1907
INFO:tensorflow:loss = 147.20386, step = 24500 (1.489 sec)
INFO:tensorflow:global_step/sec: 67.9656
INFO:tensorflow:loss = 193.95718, step = 24600 (1.473 sec)
INFO:tensorflow:global_step/sec: 67.8445
INFO:tensorflow:loss = 196.07936, step = 24700 (1.474 sec)
INFO:tensorflow:global_step/sec: 66.9049
INFO:tensorflow:loss = 126.108284, step = 24800 (1.493 sec)
INFO:tensorflow:global_step/sec: 67.922
INFO:tensorflow:loss = 184.07199, step = 24900 (1.472 sec)
INFO:tensorflow:global_step/sec: 66.9421
INFO:tensorflow:loss = 172.13138, step = 25000 (1.496 sec)
INFO:tensorflow:global_step/sec: 69.706
INFO:tensorflow:loss = 141.98708, step = 25100 (1.436 sec)
INFO:tensorflow:global_step/sec: 67.6529
INFO:tensorflow:loss = 189.91727, step = 25200 (1.479 sec)
INFO:tensorflow:global_step/sec: 68
INFO:tensorflow:loss = 134.99771, step = 25300 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.1921
INFO:tensorflow:loss = 166.7839, step = 25400 (1.486 sec)
INFO:tensorflow:global_step/sec: 65.1092
INFO:tensorflow:loss = 186.37567, step = 25500 (1.537 sec)
INFO:tensorflow:global_step/sec: 67.1017
INFO:tensorflow:loss = 175.05965, step = 25600 (1.491 sec)
INFO:tensorflow:global_step/sec: 66.2222
INFO:tensorflow:loss = 181.30417, step = 25700 (1.508 sec)
INFO:tensorflow:global_step/sec: 67.2778
INFO:tensorflow:loss = 191.3063, step = 25800 (1.489 sec)
INFO:tensorflow:global_step/sec: 67.3074
INFO:tensorflow:loss = 198.9809, step = 25900 (1.483 sec)
INFO:tensorflow:global_step/sec: 67.239
INFO:tensorflow:loss = 191.14732, step = 26000 (1.491 sec)
INFO:tensorflow:global_step/sec: 66.2978
INFO:tensorflow:loss = 168.29459, step = 26100 (1.506 sec)
INFO:tensorflow:global_step/sec: 67.3002

INFO:tensorflow:loss = 203.08554, step = 26200 (1.484 sec)
INFO:tensorflow:global_step/sec: 67.7823
INFO:tensorflow:loss = 168.65868, step = 26300 (1.478 sec)
INFO:tensorflow:global_step/sec: 66.8284
INFO:tensorflow:loss = 220.6496, step = 26400 (1.497 sec)
INFO:tensorflow:global_step/sec: 67.0366
INFO:tensorflow:loss = 173.73596, step = 26500 (1.490 sec)
INFO:tensorflow:global_step/sec: 69.039
INFO:tensorflow:loss = 229.31711, step = 26600 (1.451 sec)
INFO:tensorflow:global_step/sec: 70.1023
INFO:tensorflow:loss = 186.86084, step = 26700 (1.426 sec)
INFO:tensorflow:global_step/sec: 65.9325
INFO:tensorflow:loss = 221.54572, step = 26800 (1.517 sec)
INFO:tensorflow:global_step/sec: 68.0498
INFO:tensorflow:loss = 191.31345, step = 26900 (1.469 sec)
INFO:tensorflow:global_step/sec: 65.9488
INFO:tensorflow:loss = 199.81609, step = 27000 (1.515 sec)
INFO:tensorflow:global_step/sec: 68.7651
INFO:tensorflow:loss = 147.76495, step = 27100 (1.453 sec)
INFO:tensorflow:global_step/sec: 67.6644
INFO:tensorflow:loss = 184.1847, step = 27200 (1.477 sec)
INFO:tensorflow:global_step/sec: 68.73
INFO:tensorflow:loss = 178.97392, step = 27300 (1.455 sec)
INFO:tensorflow:global_step/sec: 68.8108
INFO:tensorflow:loss = 160.25162, step = 27400 (1.457 sec)
INFO:tensorflow:global_step/sec: 66.7346
INFO:tensorflow:loss = 156.85544, step = 27500 (1.498 sec)
INFO:tensorflow:global_step/sec: 68.4358
INFO:tensorflow:loss = 165.51913, step = 27600 (1.458 sec)
INFO:tensorflow:global_step/sec: 66.3321
INFO:tensorflow:loss = 231.84454, step = 27700 (1.512 sec)
INFO:tensorflow:global_step/sec: 66.8268
INFO:tensorflow:loss = 161.25214, step = 27800 (1.493 sec)
INFO:tensorflow:global_step/sec: 66.688
INFO:tensorflow:loss = 213.7146, step = 27900 (1.502 sec)
INFO:tensorflow:global_step/sec: 67.634
INFO:tensorflow:loss = 248.67499, step = 28000 (1.477 sec)
INFO:tensorflow:global_step/sec: 68.1919
INFO:tensorflow:loss = 200.512, step = 28100 (1.468 sec)
INFO:tensorflow:global_step/sec: 70.5885
INFO:tensorflow:loss = 156.3165, step = 28200 (1.416 sec)
INFO:tensorflow:global_step/sec: 71.7799
INFO:tensorflow:loss = 179.64594, step = 28300 (1.391 sec)
INFO:tensorflow:global_step/sec: 68.7259
INFO:tensorflow:loss = 143.25453, step = 28400 (1.455 sec)
INFO:tensorflow:global_step/sec: 67.8918
INFO:tensorflow:loss = 179.51439, step = 28500 (1.476 sec)
INFO:tensorflow:global_step/sec: 69.3604

INFO:tensorflow:loss = 116.9794, step = 28600 (1.439 sec)
INFO:tensorflow:global_step/sec: 71.4617
INFO:tensorflow:loss = 127.39781, step = 28700 (1.403 sec)
INFO:tensorflow:global_step/sec: 71.8112
INFO:tensorflow:loss = 134.34735, step = 28800 (1.391 sec)
INFO:tensorflow:global_step/sec: 66.3323
INFO:tensorflow:loss = 122.175575, step = 28900 (1.509 sec)
INFO:tensorflow:global_step/sec: 70.9399
INFO:tensorflow:loss = 144.49203, step = 29000 (1.408 sec)
INFO:tensorflow:global_step/sec: 68.9505
INFO:tensorflow:loss = 137.45879, step = 29100 (1.449 sec)
INFO:tensorflow:global_step/sec: 68.0933
INFO:tensorflow:loss = 117.18647, step = 29200 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.6033
INFO:tensorflow:loss = 114.24717, step = 29300 (1.481 sec)
INFO:tensorflow:global_step/sec: 70.9424
INFO:tensorflow:loss = 127.73673, step = 29400 (1.407 sec)
INFO:tensorflow:global_step/sec: 68.204
INFO:tensorflow:loss = 161.72166, step = 29500 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.6664
INFO:tensorflow:loss = 104.98024, step = 29600 (1.476 sec)
INFO:tensorflow:global_step/sec: 66.0443
INFO:tensorflow:loss = 137.46153, step = 29700 (1.514 sec)
INFO:tensorflow:global_step/sec: 65.7024
INFO:tensorflow:loss = 98.824844, step = 29800 (1.524 sec)
INFO:tensorflow:global_step/sec: 65.6683
INFO:tensorflow:loss = 149.30092, step = 29900 (1.521 sec)
INFO:tensorflow:global_step/sec: 68.6355
INFO:tensorflow:loss = 142.57407, step = 30000 (1.457 sec)
INFO:tensorflow:global_step/sec: 66.49
INFO:tensorflow:loss = 106.4284, step = 30100 (1.504 sec)
INFO:tensorflow:global_step/sec: 68.2694
INFO:tensorflow:loss = 149.98541, step = 30200 (1.467 sec)
INFO:tensorflow:global_step/sec: 69.203
INFO:tensorflow:loss = 158.01767, step = 30300 (1.446 sec)
INFO:tensorflow:global_step/sec: 65.8274
INFO:tensorflow:loss = 141.69907, step = 30400 (1.516 sec)
INFO:tensorflow:global_step/sec: 69.0935
INFO:tensorflow:loss = 149.11255, step = 30500 (1.447 sec)
INFO:tensorflow:global_step/sec: 67.2576
INFO:tensorflow:loss = 148.10931, step = 30600 (1.489 sec)
INFO:tensorflow:global_step/sec: 67.4449
INFO:tensorflow:loss = 113.36565, step = 30700 (1.480 sec)
INFO:tensorflow:global_step/sec: 66.8283
INFO:tensorflow:loss = 96.23094, step = 30800 (1.500 sec)
INFO:tensorflow:global_step/sec: 67.9485
INFO:tensorflow:loss = 127.373375, step = 30900 (1.469 sec)
INFO:tensorflow:global_step/sec: 67.5862

INFO:tensorflow:loss = 129.11009, step = 31000 (1.481 sec)
INFO:tensorflow:global_step/sec: 66.3343
INFO:tensorflow:loss = 127.010635, step = 31100 (1.509 sec)
INFO:tensorflow:global_step/sec: 68.5405
INFO:tensorflow:loss = 149.56221, step = 31200 (1.458 sec)
INFO:tensorflow:global_step/sec: 70.2166
INFO:tensorflow:loss = 120.70321, step = 31300 (1.425 sec)
INFO:tensorflow:global_step/sec: 68.4902
INFO:tensorflow:loss = 149.17313, step = 31400 (1.457 sec)
INFO:tensorflow:global_step/sec: 67.3251
INFO:tensorflow:loss = 136.04276, step = 31500 (1.485 sec)
INFO:tensorflow:global_step/sec: 66.3234
INFO:tensorflow:loss = 173.61569, step = 31600 (1.507 sec)
INFO:tensorflow:global_step/sec: 68.7162
INFO:tensorflow:loss = 150.08029, step = 31700 (1.459 sec)
INFO:tensorflow:global_step/sec: 67.5109
INFO:tensorflow:loss = 138.2995, step = 31800 (1.480 sec)
INFO:tensorflow:global_step/sec: 67.0872
INFO:tensorflow:loss = 110.01906, step = 31900 (1.491 sec)
INFO:tensorflow:global_step/sec: 69.2757
INFO:tensorflow:loss = 110.425064, step = 32000 (1.444 sec)
INFO:tensorflow:global_step/sec: 66.4319
INFO:tensorflow:loss = 161.4871, step = 32100 (1.505 sec)
INFO:tensorflow:global_step/sec: 66.2318
INFO:tensorflow:loss = 135.0274, step = 32200 (1.511 sec)
INFO:tensorflow:global_step/sec: 69.2013
INFO:tensorflow:loss = 131.54205, step = 32300 (1.443 sec)
INFO:tensorflow:global_step/sec: 67.9845
INFO:tensorflow:loss = 138.12926, step = 32400 (1.472 sec)
INFO:tensorflow:global_step/sec: 66.7841
INFO:tensorflow:loss = 123.800064, step = 32500 (1.498 sec)
INFO:tensorflow:global_step/sec: 67.5536
INFO:tensorflow:loss = 180.21558, step = 32600 (1.478 sec)
INFO:tensorflow:global_step/sec: 68.2983
INFO:tensorflow:loss = 139.68185, step = 32700 (1.464 sec)
INFO:tensorflow:global_step/sec: 70.6117
INFO:tensorflow:loss = 164.2001, step = 32800 (1.416 sec)
INFO:tensorflow:global_step/sec: 66.6858
INFO:tensorflow:loss = 129.9261, step = 32900 (1.503 sec)
INFO:tensorflow:global_step/sec: 66.2869
INFO:tensorflow:loss = 134.84885, step = 33000 (1.508 sec)
INFO:tensorflow:global_step/sec: 68.8084
INFO:tensorflow:loss = 170.07155, step = 33100 (1.453 sec)
INFO:tensorflow:global_step/sec: 67.3772
INFO:tensorflow:loss = 126.6164, step = 33200 (1.485 sec)
INFO:tensorflow:global_step/sec: 68.2233
INFO:tensorflow:loss = 178.0121, step = 33300 (1.466 sec)
INFO:tensorflow:global_step/sec: 68.4804

INFO:tensorflow:loss = 136.82195, step = 33400 (1.461 sec)
INFO:tensorflow:global_step/sec: 69.4897
INFO:tensorflow:loss = 110.69858, step = 33500 (1.437 sec)
INFO:tensorflow:global_step/sec: 66.9376
INFO:tensorflow:loss = 114.678635, step = 33600 (1.495 sec)
INFO:tensorflow:global_step/sec: 67.3288
INFO:tensorflow:loss = 136.3109, step = 33700 (1.486 sec)
INFO:tensorflow:global_step/sec: 69.3227
INFO:tensorflow:loss = 138.60364, step = 33800 (1.444 sec)
INFO:tensorflow:global_step/sec: 62.8151
INFO:tensorflow:loss = 98.889336, step = 33900 (1.589 sec)
INFO:tensorflow:global_step/sec: 66.5097
INFO:tensorflow:loss = 144.98099, step = 34000 (1.501 sec)
INFO:tensorflow:global_step/sec: 69.3281
INFO:tensorflow:loss = 101.96205, step = 34100 (1.445 sec)
INFO:tensorflow:global_step/sec: 71.0003
INFO:tensorflow:loss = 144.91966, step = 34200 (1.406 sec)
INFO:tensorflow:global_step/sec: 68.9969
INFO:tensorflow:loss = 137.22534, step = 34300 (1.453 sec)
INFO:tensorflow:global_step/sec: 67.9214
INFO:tensorflow:loss = 123.36867, step = 34400 (1.470 sec)
INFO:tensorflow:global_step/sec: 67.0899
INFO:tensorflow:loss = 153.83594, step = 34500 (1.492 sec)
INFO:tensorflow:global_step/sec: 69.1632
INFO:tensorflow:loss = 134.21063, step = 34600 (1.445 sec)
INFO:tensorflow:global_step/sec: 66.0923
INFO:tensorflow:loss = 115.40452, step = 34700 (1.512 sec)
INFO:tensorflow:global_step/sec: 70.4618
INFO:tensorflow:loss = 139.75064, step = 34800 (1.422 sec)
INFO:tensorflow:global_step/sec: 69.7174
INFO:tensorflow:loss = 122.02231, step = 34900 (1.432 sec)
INFO:tensorflow:global_step/sec: 66.0148
INFO:tensorflow:loss = 131.6456, step = 35000 (1.514 sec)
INFO:tensorflow:global_step/sec: 67.6576
INFO:tensorflow:loss = 145.92151, step = 35100 (1.481 sec)
INFO:tensorflow:global_step/sec: 67.2543
INFO:tensorflow:loss = 140.44629, step = 35200 (1.487 sec)
INFO:tensorflow:global_step/sec: 66.5647
INFO:tensorflow:loss = 110.66931, step = 35300 (1.503 sec)
INFO:tensorflow:global_step/sec: 68.9176
INFO:tensorflow:loss = 135.86786, step = 35400 (1.448 sec)
INFO:tensorflow:global_step/sec: 67.7294
INFO:tensorflow:loss = 148.52623, step = 35500 (1.480 sec)
INFO:tensorflow:global_step/sec: 65.1413
INFO:tensorflow:loss = 128.46655, step = 35600 (1.535 sec)
INFO:tensorflow:global_step/sec: 64.9239
INFO:tensorflow:loss = 120.55543, step = 35700 (1.540 sec)
INFO:tensorflow:global_step/sec: 65.4107

INFO:tensorflow:loss = 155.43027, step = 35800 (1.526 sec)
INFO:tensorflow:global_step/sec: 65.2813
INFO:tensorflow:loss = 157.80795, step = 35900 (1.532 sec)
INFO:tensorflow:global_step/sec: 66.8115
INFO:tensorflow:loss = 129.87753, step = 36000 (1.498 sec)
INFO:tensorflow:global_step/sec: 68.2267
INFO:tensorflow:loss = 131.19035, step = 36100 (1.465 sec)
INFO:tensorflow:global_step/sec: 66.1916
INFO:tensorflow:loss = 158.83011, step = 36200 (1.508 sec)
INFO:tensorflow:global_step/sec: 69.9109
INFO:tensorflow:loss = 146.93996, step = 36300 (1.431 sec)
INFO:tensorflow:global_step/sec: 71.1723
INFO:tensorflow:loss = 166.40054, step = 36400 (1.408 sec)
INFO:tensorflow:global_step/sec: 65.8603
INFO:tensorflow:loss = 127.39504, step = 36500 (1.517 sec)
INFO:tensorflow:global_step/sec: 68.0162
INFO:tensorflow:loss = 136.68079, step = 36600 (1.471 sec)
INFO:tensorflow:global_step/sec: 66.8037
INFO:tensorflow:loss = 131.05443, step = 36700 (1.496 sec)
INFO:tensorflow:global_step/sec: 70.9915
INFO:tensorflow:loss = 156.82741, step = 36800 (1.411 sec)
INFO:tensorflow:global_step/sec: 69.0207
INFO:tensorflow:loss = 119.72183, step = 36900 (1.445 sec)
INFO:tensorflow:global_step/sec: 67.2578
INFO:tensorflow:loss = 143.54388, step = 37000 (1.487 sec)
INFO:tensorflow:global_step/sec: 68.7358
INFO:tensorflow:loss = 160.72408, step = 37100 (1.454 sec)
INFO:tensorflow:global_step/sec: 70.149
INFO:tensorflow:loss = 196.77501, step = 37200 (1.429 sec)
INFO:tensorflow:global_step/sec: 67.2286
INFO:tensorflow:loss = 170.61086, step = 37300 (1.484 sec)
INFO:tensorflow:global_step/sec: 68.5116
INFO:tensorflow:loss = 133.995, step = 37400 (1.463 sec)
INFO:tensorflow:global_step/sec: 69.6703
INFO:tensorflow:loss = 156.56621, step = 37500 (1.433 sec)
INFO:tensorflow:global_step/sec: 68.0442
INFO:tensorflow:loss = 140.7521, step = 37600 (1.469 sec)
INFO:tensorflow:global_step/sec: 68.219
INFO:tensorflow:loss = 167.47081, step = 37700 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.6662
INFO:tensorflow:loss = 129.20526, step = 37800 (1.475 sec)
INFO:tensorflow:global_step/sec: 65.773
INFO:tensorflow:loss = 136.58673, step = 37900 (1.521 sec)
INFO:tensorflow:global_step/sec: 68.0457
INFO:tensorflow:loss = 156.41245, step = 38000 (1.471 sec)
INFO:tensorflow:global_step/sec: 69.0076
INFO:tensorflow:loss = 173.57504, step = 38100 (1.448 sec)
INFO:tensorflow:global_step/sec: 66.9679

INFO:tensorflow:loss = 131.25638, step = 38200 (1.495 sec)
INFO:tensorflow:global_step/sec: 68.9066
INFO:tensorflow:loss = 175.08197, step = 38300 (1.449 sec)
INFO:tensorflow:global_step/sec: 70.5138
INFO:tensorflow:loss = 171.74443, step = 38400 (1.422 sec)
INFO:tensorflow:global_step/sec: 66.1154
INFO:tensorflow:loss = 119.88179, step = 38500 (1.514 sec)
INFO:tensorflow:global_step/sec: 62.9306
INFO:tensorflow:loss = 125.363144, step = 38600 (1.584 sec)
INFO:tensorflow:global_step/sec: 68.3059
INFO:tensorflow:loss = 127.86893, step = 38700 (1.464 sec)
INFO:tensorflow:global_step/sec: 68.6107
INFO:tensorflow:loss = 149.43864, step = 38800 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.7977
INFO:tensorflow:loss = 140.91783, step = 38900 (1.433 sec)
INFO:tensorflow:global_step/sec: 67.4124
INFO:tensorflow:loss = 165.49298, step = 39000 (1.484 sec)
INFO:tensorflow:global_step/sec: 67.0922
INFO:tensorflow:loss = 145.36313, step = 39100 (1.492 sec)
INFO:tensorflow:global_step/sec: 68.4935
INFO:tensorflow:loss = 137.20432, step = 39200 (1.461 sec)
INFO:tensorflow:global_step/sec: 69.7005
INFO:tensorflow:loss = 130.21977, step = 39300 (1.434 sec)
INFO:tensorflow:global_step/sec: 67.4165
INFO:tensorflow:loss = 160.11511, step = 39400 (1.480 sec)
INFO:tensorflow:global_step/sec: 70.1746
INFO:tensorflow:loss = 152.84235, step = 39500 (1.425 sec)
INFO:tensorflow:global_step/sec: 69.4332
INFO:tensorflow:loss = 107.773445, step = 39600 (1.443 sec)
INFO:tensorflow:global_step/sec: 68.2797
INFO:tensorflow:loss = 152.97209, step = 39700 (1.462 sec)
INFO:tensorflow:global_step/sec: 71.2548
INFO:tensorflow:loss = 144.17465, step = 39800 (1.403 sec)
INFO:tensorflow:global_step/sec: 67.2428
INFO:tensorflow:loss = 124.49998, step = 39900 (1.489 sec)
INFO:tensorflow:global_step/sec: 66.0668
INFO:tensorflow:loss = 149.1859, step = 40000 (1.515 sec)
INFO:tensorflow:global_step/sec: 69.406
INFO:tensorflow:loss = 127.040985, step = 40100 (1.438 sec)
INFO:tensorflow:global_step/sec: 68.4375
INFO:tensorflow:loss = 148.03181, step = 40200 (1.461 sec)
INFO:tensorflow:global_step/sec: 67.5459
INFO:tensorflow:loss = 143.62349, step = 40300 (1.481 sec)
INFO:tensorflow:Saving checkpoints for 40375 into /tmp/tmp95_bbwn2/model.ckpt.
INFO:tensorflow:global_step/sec: 47.6412
INFO:tensorflow:loss = 119.176285, step = 40400 (2.102 sec)
INFO:tensorflow:global_step/sec: 67.5618
INFO:tensorflow:loss = 105.27545, step = 40500 (1.477 sec)

INFO:tensorflow:global_step/sec: 67.3885
INFO:tensorflow:loss = 136.99704, step = 40600 (1.485 sec)
INFO:tensorflow:global_step/sec: 68.7302
INFO:tensorflow:loss = 183.3571, step = 40700 (1.454 sec)
INFO:tensorflow:global_step/sec: 70.9596
INFO:tensorflow:loss = 157.22844, step = 40800 (1.409 sec)
INFO:tensorflow:global_step/sec: 70.8935
INFO:tensorflow:loss = 138.91544, step = 40900 (1.411 sec)
INFO:tensorflow:global_step/sec: 69.8522
INFO:tensorflow:loss = 143.05229, step = 41000 (1.435 sec)
INFO:tensorflow:global_step/sec: 69.1472
INFO:tensorflow:loss = 110.15254, step = 41100 (1.445 sec)
INFO:tensorflow:global_step/sec: 69.1317
INFO:tensorflow:loss = 132.70546, step = 41200 (1.445 sec)
INFO:tensorflow:global_step/sec: 69.2933
INFO:tensorflow:loss = 152.15419, step = 41300 (1.443 sec)
INFO:tensorflow:global_step/sec: 69.4994
INFO:tensorflow:loss = 170.09628, step = 41400 (1.441 sec)
INFO:tensorflow:global_step/sec: 65.77
INFO:tensorflow:loss = 133.30618, step = 41500 (1.521 sec)
INFO:tensorflow:global_step/sec: 67.9311
INFO:tensorflow:loss = 122.78348, step = 41600 (1.471 sec)
INFO:tensorflow:global_step/sec: 66.4721
INFO:tensorflow:loss = 140.37373, step = 41700 (1.505 sec)
INFO:tensorflow:global_step/sec: 68.115
INFO:tensorflow:loss = 142.13016, step = 41800 (1.467 sec)
INFO:tensorflow:global_step/sec: 67.483
INFO:tensorflow:loss = 207.38976, step = 41900 (1.483 sec)
INFO:tensorflow:global_step/sec: 67.9904
INFO:tensorflow:loss = 135.74193, step = 42000 (1.471 sec)
INFO:tensorflow:global_step/sec: 68.0422
INFO:tensorflow:loss = 136.17117, step = 42100 (1.471 sec)
INFO:tensorflow:global_step/sec: 66.3509
INFO:tensorflow:loss = 170.34027, step = 42200 (1.507 sec)
INFO:tensorflow:global_step/sec: 66.3166
INFO:tensorflow:loss = 161.82747, step = 42300 (1.508 sec)
INFO:tensorflow:global_step/sec: 67.7546
INFO:tensorflow:loss = 119.634285, step = 42400 (1.477 sec)
INFO:tensorflow:global_step/sec: 67.0561
INFO:tensorflow:loss = 152.96645, step = 42500 (1.490 sec)
INFO:tensorflow:global_step/sec: 69.3134
INFO:tensorflow:loss = 142.95546, step = 42600 (1.444 sec)
INFO:tensorflow:global_step/sec: 67.6521
INFO:tensorflow:loss = 150.497, step = 42700 (1.475 sec)
INFO:tensorflow:global_step/sec: 66.8946
INFO:tensorflow:loss = 153.28958, step = 42800 (1.497 sec)
INFO:tensorflow:global_step/sec: 70.0868
INFO:tensorflow:loss = 147.74658, step = 42900 (1.426 sec)

INFO:tensorflow:global_step/sec: 69.2701
INFO:tensorflow:loss = 163.15955, step = 43000 (1.447 sec)
INFO:tensorflow:global_step/sec: 66.9053
INFO:tensorflow:loss = 131.08214, step = 43100 (1.489 sec)
INFO:tensorflow:global_step/sec: 67.316
INFO:tensorflow:loss = 143.69969, step = 43200 (1.485 sec)
INFO:tensorflow:global_step/sec: 68.9672
INFO:tensorflow:loss = 140.31393, step = 43300 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.3837
INFO:tensorflow:loss = 175.98123, step = 43400 (1.462 sec)
INFO:tensorflow:global_step/sec: 67.6215
INFO:tensorflow:loss = 169.88258, step = 43500 (1.479 sec)
INFO:tensorflow:global_step/sec: 69.3955
INFO:tensorflow:loss = 150.54555, step = 43600 (1.441 sec)
INFO:tensorflow:global_step/sec: 67.6796
INFO:tensorflow:loss = 171.55698, step = 43700 (1.477 sec)
INFO:tensorflow:global_step/sec: 67.3246
INFO:tensorflow:loss = 130.02057, step = 43800 (1.488 sec)
INFO:tensorflow:global_step/sec: 68.7225
INFO:tensorflow:loss = 133.28331, step = 43900 (1.456 sec)
INFO:tensorflow:global_step/sec: 65.4336
INFO:tensorflow:loss = 178.21147, step = 44000 (1.524 sec)
INFO:tensorflow:global_step/sec: 67.001
INFO:tensorflow:loss = 155.13812, step = 44100 (1.495 sec)
INFO:tensorflow:global_step/sec: 69.0465
INFO:tensorflow:loss = 164.32123, step = 44200 (1.447 sec)
INFO:tensorflow:global_step/sec: 65.99
INFO:tensorflow:loss = 163.96463, step = 44300 (1.519 sec)
INFO:tensorflow:global_step/sec: 65.7561
INFO:tensorflow:loss = 153.9402, step = 44400 (1.516 sec)
INFO:tensorflow:global_step/sec: 69.4208
INFO:tensorflow:loss = 153.5798, step = 44500 (1.442 sec)
INFO:tensorflow:global_step/sec: 69.557
INFO:tensorflow:loss = 183.0534, step = 44600 (1.436 sec)
INFO:tensorflow:global_step/sec: 65.411
INFO:tensorflow:loss = 133.06116, step = 44700 (1.530 sec)
INFO:tensorflow:global_step/sec: 67.889
INFO:tensorflow:loss = 125.519875, step = 44800 (1.476 sec)
INFO:tensorflow:global_step/sec: 68.1575
INFO:tensorflow:loss = 144.08987, step = 44900 (1.463 sec)
INFO:tensorflow:global_step/sec: 70.7929
INFO:tensorflow:loss = 164.27531, step = 45000 (1.416 sec)
INFO:tensorflow:global_step/sec: 68.4488
INFO:tensorflow:loss = 165.6779, step = 45100 (1.458 sec)
INFO:tensorflow:global_step/sec: 67.9396
INFO:tensorflow:loss = 171.17953, step = 45200 (1.473 sec)
INFO:tensorflow:global_step/sec: 69.7462
INFO:tensorflow:loss = 160.48346, step = 45300 (1.435 sec)

INFO:tensorflow:global_step/sec: 69.9997
INFO:tensorflow:loss = 130.84152, step = 45400 (1.427 sec)
INFO:tensorflow:global_step/sec: 68.833
INFO:tensorflow:loss = 113.97924, step = 45500 (1.452 sec)
INFO:tensorflow:global_step/sec: 69.2798
INFO:tensorflow:loss = 167.14929, step = 45600 (1.446 sec)
INFO:tensorflow:global_step/sec: 69.6548
INFO:tensorflow:loss = 184.33186, step = 45700 (1.433 sec)
INFO:tensorflow:global_step/sec: 68.7112
INFO:tensorflow:loss = 163.10257, step = 45800 (1.455 sec)
INFO:tensorflow:global_step/sec: 66.7277
INFO:tensorflow:loss = 125.183075, step = 45900 (1.499 sec)
INFO:tensorflow:global_step/sec: 68.4521
INFO:tensorflow:loss = 141.10628, step = 46000 (1.461 sec)
INFO:tensorflow:global_step/sec: 66.4439
INFO:tensorflow:loss = 134.06407, step = 46100 (1.505 sec)
INFO:tensorflow:global_step/sec: 69.1168
INFO:tensorflow:loss = 164.00943, step = 46200 (1.447 sec)
INFO:tensorflow:global_step/sec: 68.3815
INFO:tensorflow:loss = 166.53091, step = 46300 (1.466 sec)
INFO:tensorflow:global_step/sec: 68.6525
INFO:tensorflow:loss = 204.0817, step = 46400 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.1652
INFO:tensorflow:loss = 129.24484, step = 46500 (1.442 sec)
INFO:tensorflow:global_step/sec: 68.0589
INFO:tensorflow:loss = 151.07549, step = 46600 (1.472 sec)
INFO:tensorflow:global_step/sec: 67.529
INFO:tensorflow:loss = 131.03403, step = 46700 (1.481 sec)
INFO:tensorflow:global_step/sec: 67.8274
INFO:tensorflow:loss = 156.05502, step = 46800 (1.472 sec)
INFO:tensorflow:global_step/sec: 67.5251
INFO:tensorflow:loss = 129.60507, step = 46900 (1.486 sec)
INFO:tensorflow:global_step/sec: 68.0142
INFO:tensorflow:loss = 146.19727, step = 47000 (1.468 sec)
INFO:tensorflow:global_step/sec: 68.4347
INFO:tensorflow:loss = 159.41006, step = 47100 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.4877
INFO:tensorflow:loss = 168.79991, step = 47200 (1.464 sec)
INFO:tensorflow:global_step/sec: 68.5147
INFO:tensorflow:loss = 154.87413, step = 47300 (1.457 sec)
INFO:tensorflow:global_step/sec: 68.4444
INFO:tensorflow:loss = 160.75594, step = 47400 (1.463 sec)
INFO:tensorflow:global_step/sec: 69.2643
INFO:tensorflow:loss = 146.76282, step = 47500 (1.441 sec)
INFO:tensorflow:global_step/sec: 69.324
INFO:tensorflow:loss = 179.38422, step = 47600 (1.442 sec)
INFO:tensorflow:global_step/sec: 67.224
INFO:tensorflow:loss = 162.85219, step = 47700 (1.491 sec)

INFO:tensorflow:global_step/sec: 67.1671
INFO:tensorflow:loss = 178.92946, step = 47800 (1.488 sec)
INFO:tensorflow:global_step/sec: 69.3136
INFO:tensorflow:loss = 147.18863, step = 47900 (1.442 sec)
INFO:tensorflow:global_step/sec: 69.2964
INFO:tensorflow:loss = 127.97481, step = 48000 (1.442 sec)
INFO:tensorflow:global_step/sec: 66.2088
INFO:tensorflow:loss = 158.8914, step = 48100 (1.510 sec)
INFO:tensorflow:global_step/sec: 67.9077
INFO:tensorflow:loss = 145.51205, step = 48200 (1.473 sec)
INFO:tensorflow:global_step/sec: 69.2613
INFO:tensorflow:loss = 139.04413, step = 48300 (1.444 sec)
INFO:tensorflow:global_step/sec: 66.1134
INFO:tensorflow:loss = 130.36832, step = 48400 (1.518 sec)
INFO:tensorflow:global_step/sec: 69.1018
INFO:tensorflow:loss = 105.78496, step = 48500 (1.445 sec)
INFO:tensorflow:global_step/sec: 69.7474
INFO:tensorflow:loss = 144.27448, step = 48600 (1.434 sec)
INFO:tensorflow:global_step/sec: 66.4107
INFO:tensorflow:loss = 125.86355, step = 48700 (1.503 sec)
INFO:tensorflow:global_step/sec: 66.7159
INFO:tensorflow:loss = 111.311584, step = 48800 (1.501 sec)
INFO:tensorflow:global_step/sec: 67.999
INFO:tensorflow:loss = 176.17404, step = 48900 (1.469 sec)
INFO:tensorflow:global_step/sec: 68.2748
INFO:tensorflow:loss = 159.65144, step = 49000 (1.465 sec)
INFO:tensorflow:global_step/sec: 67.7632
INFO:tensorflow:loss = 171.21945, step = 49100 (1.475 sec)
INFO:tensorflow:global_step/sec: 67.4278
INFO:tensorflow:loss = 164.70178, step = 49200 (1.485 sec)
INFO:tensorflow:global_step/sec: 68.5721
INFO:tensorflow:loss = 176.12305, step = 49300 (1.455 sec)
INFO:tensorflow:global_step/sec: 66.2112
INFO:tensorflow:loss = 123.788445, step = 49400 (1.513 sec)
INFO:tensorflow:global_step/sec: 66.0595
INFO:tensorflow:loss = 167.85355, step = 49500 (1.515 sec)
INFO:tensorflow:global_step/sec: 67.464
INFO:tensorflow:loss = 145.31674, step = 49600 (1.478 sec)
INFO:tensorflow:global_step/sec: 68.9802
INFO:tensorflow:loss = 151.69434, step = 49700 (1.450 sec)
INFO:tensorflow:global_step/sec: 69.9512
INFO:tensorflow:loss = 134.63861, step = 49800 (1.433 sec)
INFO:tensorflow:global_step/sec: 68.9233
INFO:tensorflow:loss = 155.51414, step = 49900 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.2081
INFO:tensorflow:loss = 133.89351, step = 50000 (1.467 sec)
INFO:tensorflow:global_step/sec: 68.0347
INFO:tensorflow:loss = 135.92776, step = 50100 (1.472 sec)

INFO:tensorflow:global_step/sec: 68.2896
INFO:tensorflow:loss = 127.30118, step = 50200 (1.463 sec)
INFO:tensorflow:global_step/sec: 71.2662
INFO:tensorflow:loss = 155.3905, step = 50300 (1.401 sec)
INFO:tensorflow:global_step/sec: 66.1346
INFO:tensorflow:loss = 121.51787, step = 50400 (1.516 sec)
INFO:tensorflow:global_step/sec: 67.5772
INFO:tensorflow:loss = 170.95377, step = 50500 (1.477 sec)
INFO:tensorflow:global_step/sec: 66.4067
INFO:tensorflow:loss = 153.97815, step = 50600 (1.506 sec)
INFO:tensorflow:global_step/sec: 67.7636
INFO:tensorflow:loss = 135.25824, step = 50700 (1.479 sec)
INFO:tensorflow:global_step/sec: 64.2577
INFO:tensorflow:loss = 150.39021, step = 50800 (1.553 sec)
INFO:tensorflow:global_step/sec: 64.9754
INFO:tensorflow:loss = 135.54645, step = 50900 (1.539 sec)
INFO:tensorflow:global_step/sec: 65.8807
INFO:tensorflow:loss = 114.896965, step = 51000 (1.520 sec)
INFO:tensorflow:global_step/sec: 66.0487
INFO:tensorflow:loss = 153.8531, step = 51100 (1.511 sec)
INFO:tensorflow:global_step/sec: 65.062
INFO:tensorflow:loss = 122.87419, step = 51200 (1.538 sec)
INFO:tensorflow:global_step/sec: 66.586
INFO:tensorflow:loss = 146.41862, step = 51300 (1.500 sec)
INFO:tensorflow:global_step/sec: 67.6039
INFO:tensorflow:loss = 170.13095, step = 51400 (1.479 sec)
INFO:tensorflow:global_step/sec: 68.5166
INFO:tensorflow:loss = 121.11734, step = 51500 (1.460 sec)
INFO:tensorflow:global_step/sec: 67.5363
INFO:tensorflow:loss = 205.44829, step = 51600 (1.481 sec)
INFO:tensorflow:global_step/sec: 68.0923
INFO:tensorflow:loss = 163.50162, step = 51700 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.3723
INFO:tensorflow:loss = 170.90887, step = 51800 (1.485 sec)
INFO:tensorflow:global_step/sec: 69.2565
INFO:tensorflow:loss = 122.57622, step = 51900 (1.443 sec)
INFO:tensorflow:global_step/sec: 68.2084
INFO:tensorflow:loss = 120.96466, step = 52000 (1.469 sec)
INFO:tensorflow:global_step/sec: 67.356
INFO:tensorflow:loss = 172.53989, step = 52100 (1.482 sec)
INFO:tensorflow:global_step/sec: 64.4566
INFO:tensorflow:loss = 192.889, step = 52200 (1.552 sec)
INFO:tensorflow:global_step/sec: 67.2759
INFO:tensorflow:loss = 123.543, step = 52300 (1.486 sec)
INFO:tensorflow:global_step/sec: 68.5783
INFO:tensorflow:loss = 160.44064, step = 52400 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.6208
INFO:tensorflow:loss = 150.48773, step = 52500 (1.457 sec)

INFO:tensorflow:global_step/sec: 68.8144
INFO:tensorflow:loss = 179.04498, step = 52600 (1.453 sec)
INFO:tensorflow:global_step/sec: 71.227
INFO:tensorflow:loss = 142.39465, step = 52700 (1.404 sec)
INFO:tensorflow:global_step/sec: 67.7921
INFO:tensorflow:loss = 144.26077, step = 52800 (1.475 sec)
INFO:tensorflow:global_step/sec: 69.5089
INFO:tensorflow:loss = 142.2701, step = 52900 (1.442 sec)
INFO:tensorflow:global_step/sec: 67.2506
INFO:tensorflow:loss = 169.22914, step = 53000 (1.487 sec)
INFO:tensorflow:global_step/sec: 69.8238
INFO:tensorflow:loss = 149.52028, step = 53100 (1.433 sec)
INFO:tensorflow:global_step/sec: 68.3286
INFO:tensorflow:loss = 129.5371, step = 53200 (1.460 sec)
INFO:tensorflow:global_step/sec: 69.2277
INFO:tensorflow:loss = 181.16974, step = 53300 (1.448 sec)
INFO:tensorflow:global_step/sec: 67.1469
INFO:tensorflow:loss = 132.62445, step = 53400 (1.486 sec)
INFO:tensorflow:global_step/sec: 68.3998
INFO:tensorflow:loss = 158.29678, step = 53500 (1.462 sec)
INFO:tensorflow:global_step/sec: 68.8901
INFO:tensorflow:loss = 149.8738, step = 53600 (1.451 sec)
INFO:tensorflow:global_step/sec: 69.0688
INFO:tensorflow:loss = 191.09961, step = 53700 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.395
INFO:tensorflow:loss = 215.22853, step = 53800 (1.465 sec)
INFO:tensorflow:global_step/sec: 67.9444
INFO:tensorflow:loss = 173.33742, step = 53900 (1.472 sec)
INFO:tensorflow:global_step/sec: 68.4867
INFO:tensorflow:loss = 181.48706, step = 54000 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.8437
INFO:tensorflow:loss = 176.7846, step = 54100 (1.434 sec)
INFO:tensorflow:global_step/sec: 65.4855
INFO:tensorflow:loss = 172.40193, step = 54200 (1.525 sec)
INFO:tensorflow:global_step/sec: 67.1093
INFO:tensorflow:loss = 116.43253, step = 54300 (1.490 sec)
INFO:tensorflow:global_step/sec: 68.1059
INFO:tensorflow:loss = 184.61664, step = 54400 (1.469 sec)
INFO:tensorflow:global_step/sec: 68.817
INFO:tensorflow:loss = 148.7884, step = 54500 (1.456 sec)
INFO:tensorflow:global_step/sec: 67.4227
INFO:tensorflow:loss = 199.35472, step = 54600 (1.482 sec)
INFO:tensorflow:global_step/sec: 67.2802
INFO:tensorflow:loss = 197.20432, step = 54700 (1.487 sec)
INFO:tensorflow:global_step/sec: 67.2387
INFO:tensorflow:loss = 132.48038, step = 54800 (1.484 sec)
INFO:tensorflow:global_step/sec: 68.1993
INFO:tensorflow:loss = 173.362, step = 54900 (1.470 sec)

INFO:tensorflow:global_step/sec: 70.293
INFO:tensorflow:loss = 175.32037, step = 55000 (1.419 sec)
INFO:tensorflow:global_step/sec: 69.0102
INFO:tensorflow:loss = 186.07211, step = 55100 (1.449 sec)
INFO:tensorflow:global_step/sec: 68.5842
INFO:tensorflow:loss = 127.13273, step = 55200 (1.458 sec)
INFO:tensorflow:global_step/sec: 64.3429
INFO:tensorflow:loss = 154.71875, step = 55300 (1.556 sec)
INFO:tensorflow:global_step/sec: 68.1105
INFO:tensorflow:loss = 156.69705, step = 55400 (1.467 sec)
INFO:tensorflow:global_step/sec: 66.8988
INFO:tensorflow:loss = 185.36478, step = 55500 (1.496 sec)
INFO:tensorflow:global_step/sec: 68.7148
INFO:tensorflow:loss = 165.57863, step = 55600 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.8128
INFO:tensorflow:loss = 152.65788, step = 55700 (1.433 sec)
INFO:tensorflow:global_step/sec: 69.2038
INFO:tensorflow:loss = 176.94582, step = 55800 (1.443 sec)
INFO:tensorflow:global_step/sec: 67.3328
INFO:tensorflow:loss = 163.26157, step = 55900 (1.486 sec)
INFO:tensorflow:global_step/sec: 65.7377
INFO:tensorflow:loss = 224.60294, step = 56000 (1.522 sec)
INFO:tensorflow:global_step/sec: 69.6674
INFO:tensorflow:loss = 177.4431, step = 56100 (1.435 sec)
INFO:tensorflow:global_step/sec: 69.0696
INFO:tensorflow:loss = 86.57947, step = 56200 (1.446 sec)
INFO:tensorflow:global_step/sec: 66.4278
INFO:tensorflow:loss = 122.60959, step = 56300 (1.508 sec)
INFO:tensorflow:global_step/sec: 70.2724
INFO:tensorflow:loss = 95.90241, step = 56400 (1.423 sec)
INFO:tensorflow:global_step/sec: 66.3845
INFO:tensorflow:loss = 137.96135, step = 56500 (1.507 sec)
INFO:tensorflow:global_step/sec: 67.134
INFO:tensorflow:loss = 131.63411, step = 56600 (1.486 sec)
INFO:tensorflow:global_step/sec: 67.3726
INFO:tensorflow:loss = 128.31482, step = 56700 (1.487 sec)
INFO:tensorflow:global_step/sec: 71.0639
INFO:tensorflow:loss = 229.3809, step = 56800 (1.407 sec)
INFO:tensorflow:global_step/sec: 67.8559
INFO:tensorflow:loss = 150.89313, step = 56900 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.6775
INFO:tensorflow:loss = 140.07648, step = 57000 (1.457 sec)
INFO:tensorflow:global_step/sec: 67.8836
INFO:tensorflow:loss = 128.43967, step = 57100 (1.471 sec)
INFO:tensorflow:global_step/sec: 66.899
INFO:tensorflow:loss = 147.09778, step = 57200 (1.494 sec)
INFO:tensorflow:global_step/sec: 68.1119
INFO:tensorflow:loss = 121.02872, step = 57300 (1.468 sec)

INFO:tensorflow:global_step/sec: 66.7507
INFO:tensorflow:loss = 168.06078, step = 57400 (1.498 sec)
INFO:tensorflow:global_step/sec: 68.3405
INFO:tensorflow:loss = 147.51251, step = 57500 (1.464 sec)
INFO:tensorflow:global_step/sec: 67.4124
INFO:tensorflow:loss = 156.17435, step = 57600 (1.485 sec)
INFO:tensorflow:global_step/sec: 68.9872
INFO:tensorflow:loss = 83.4964, step = 57700 (1.449 sec)
INFO:tensorflow:global_step/sec: 67.547
INFO:tensorflow:loss = 185.31277, step = 57800 (1.481 sec)
INFO:tensorflow:global_step/sec: 68.6831
INFO:tensorflow:loss = 133.60054, step = 57900 (1.453 sec)
INFO:tensorflow:global_step/sec: 70.2742
INFO:tensorflow:loss = 78.35416, step = 58000 (1.423 sec)
INFO:tensorflow:global_step/sec: 69.8442
INFO:tensorflow:loss = 160.58694, step = 58100 (1.434 sec)
INFO:tensorflow:global_step/sec: 67.8915
INFO:tensorflow:loss = 112.03099, step = 58200 (1.474 sec)
INFO:tensorflow:global_step/sec: 66.5928
INFO:tensorflow:loss = 148.4939, step = 58300 (1.501 sec)
INFO:tensorflow:global_step/sec: 66.0557
INFO:tensorflow:loss = 141.20363, step = 58400 (1.514 sec)
INFO:tensorflow:global_step/sec: 69.8341
INFO:tensorflow:loss = 104.81586, step = 58500 (1.432 sec)
INFO:tensorflow:global_step/sec: 70.2677
INFO:tensorflow:loss = 148.66942, step = 58600 (1.420 sec)
INFO:tensorflow:global_step/sec: 67.6823
INFO:tensorflow:loss = 159.73746, step = 58700 (1.480 sec)
INFO:tensorflow:global_step/sec: 69.3155
INFO:tensorflow:loss = 132.23145, step = 58800 (1.443 sec)
INFO:tensorflow:global_step/sec: 69.2433
INFO:tensorflow:loss = 122.45392, step = 58900 (1.441 sec)
INFO:tensorflow:global_step/sec: 70.2764
INFO:tensorflow:loss = 143.34547, step = 59000 (1.423 sec)
INFO:tensorflow:global_step/sec: 68.2058
INFO:tensorflow:loss = 122.65935, step = 59100 (1.467 sec)
INFO:tensorflow:global_step/sec: 69.192
INFO:tensorflow:loss = 128.7109, step = 59200 (1.446 sec)
INFO:tensorflow:global_step/sec: 67.5823
INFO:tensorflow:loss = 156.8341, step = 59300 (1.482 sec)
INFO:tensorflow:global_step/sec: 68.5385
INFO:tensorflow:loss = 141.7967, step = 59400 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.4673
INFO:tensorflow:loss = 158.32356, step = 59500 (1.443 sec)
INFO:tensorflow:global_step/sec: 68.4214
INFO:tensorflow:loss = 104.11749, step = 59600 (1.459 sec)
INFO:tensorflow:global_step/sec: 71.4615
INFO:tensorflow:loss = 126.87239, step = 59700 (1.402 sec)

INFO:tensorflow:global_step/sec: 68.3415
INFO:tensorflow:loss = 109.05945, step = 59800 (1.460 sec)
INFO:tensorflow:global_step/sec: 70.0573
INFO:tensorflow:loss = 124.96153, step = 59900 (1.429 sec)
INFO:tensorflow:global_step/sec: 69.778
INFO:tensorflow:loss = 154.56143, step = 60000 (1.434 sec)
INFO:tensorflow:global_step/sec: 70.1576
INFO:tensorflow:loss = 129.09639, step = 60100 (1.423 sec)
INFO:tensorflow:global_step/sec: 69.8493
INFO:tensorflow:loss = 170.94868, step = 60200 (1.435 sec)
INFO:tensorflow:global_step/sec: 66.8831
INFO:tensorflow:loss = 148.57256, step = 60300 (1.494 sec)
INFO:tensorflow:global_step/sec: 68.7933
INFO:tensorflow:loss = 106.93167, step = 60400 (1.451 sec)
INFO:tensorflow:global_step/sec: 68.4105
INFO:tensorflow:loss = 127.83867, step = 60500 (1.462 sec)
INFO:tensorflow:global_step/sec: 67.9061
INFO:tensorflow:loss = 156.32712, step = 60600 (1.477 sec)
INFO:tensorflow:global_step/sec: 66.8795
INFO:tensorflow:loss = 113.67526, step = 60700 (1.491 sec)
INFO:tensorflow:global_step/sec: 70.0765
INFO:tensorflow:loss = 153.98163, step = 60800 (1.426 sec)
INFO:tensorflow:global_step/sec: 68.6385
INFO:tensorflow:loss = 149.9574, step = 60900 (1.459 sec)
INFO:tensorflow:global_step/sec: 66.5823
INFO:tensorflow:loss = 169.4949, step = 61000 (1.502 sec)
INFO:tensorflow:global_step/sec: 67.0801
INFO:tensorflow:loss = 160.47754, step = 61100 (1.492 sec)
INFO:tensorflow:global_step/sec: 69.4968
INFO:tensorflow:loss = 139.90182, step = 61200 (1.436 sec)
INFO:tensorflow:global_step/sec: 69.3743
INFO:tensorflow:loss = 117.82395, step = 61300 (1.443 sec)
INFO:tensorflow:global_step/sec: 69.3834
INFO:tensorflow:loss = 145.83212, step = 61400 (1.439 sec)
INFO:tensorflow:global_step/sec: 68.7671
INFO:tensorflow:loss = 126.146515, step = 61500 (1.454 sec)
INFO:tensorflow:global_step/sec: 70.1739
INFO:tensorflow:loss = 144.15579, step = 61600 (1.428 sec)
INFO:tensorflow:global_step/sec: 68.1661
INFO:tensorflow:loss = 146.1778, step = 61700 (1.467 sec)
INFO:tensorflow:global_step/sec: 69.2107
INFO:tensorflow:loss = 130.27136, step = 61800 (1.442 sec)
INFO:tensorflow:global_step/sec: 71.0635
INFO:tensorflow:loss = 139.87271, step = 61900 (1.410 sec)
INFO:tensorflow:global_step/sec: 69.116
INFO:tensorflow:loss = 135.55263, step = 62000 (1.447 sec)
INFO:tensorflow:global_step/sec: 68.4095
INFO:tensorflow:loss = 147.60394, step = 62100 (1.463 sec)

INFO:tensorflow:global_step/sec: 66.5855
INFO:tensorflow:loss = 130.29384, step = 62200 (1.501 sec)
INFO:tensorflow:global_step/sec: 69.9129
INFO:tensorflow:loss = 153.72527, step = 62300 (1.427 sec)
INFO:tensorflow:global_step/sec: 66.2138
INFO:tensorflow:loss = 124.046196, step = 62400 (1.513 sec)
INFO:tensorflow:global_step/sec: 66.5724
INFO:tensorflow:loss = 126.60278, step = 62500 (1.498 sec)
INFO:tensorflow:global_step/sec: 68.0199
INFO:tensorflow:loss = 120.31908, step = 62600 (1.471 sec)
INFO:tensorflow:global_step/sec: 70.5493
INFO:tensorflow:loss = 167.08209, step = 62700 (1.420 sec)
INFO:tensorflow:global_step/sec: 71.4491
INFO:tensorflow:loss = 118.58559, step = 62800 (1.400 sec)
INFO:tensorflow:global_step/sec: 68.3741
INFO:tensorflow:loss = 126.71712, step = 62900 (1.459 sec)
INFO:tensorflow:global_step/sec: 69.5691
INFO:tensorflow:loss = 134.15732, step = 63000 (1.438 sec)
INFO:tensorflow:global_step/sec: 70.5669
INFO:tensorflow:loss = 115.980316, step = 63100 (1.419 sec)
INFO:tensorflow:global_step/sec: 69.803
INFO:tensorflow:loss = 106.21779, step = 63200 (1.431 sec)
INFO:tensorflow:global_step/sec: 69.9346
INFO:tensorflow:loss = 142.23543, step = 63300 (1.429 sec)
INFO:tensorflow:global_step/sec: 69.5705
INFO:tensorflow:loss = 293.38837, step = 63400 (1.442 sec)
INFO:tensorflow:global_step/sec: 69.6718
INFO:tensorflow:loss = 116.10213, step = 63500 (1.431 sec)
INFO:tensorflow:global_step/sec: 68.5808
INFO:tensorflow:loss = 142.67657, step = 63600 (1.458 sec)
INFO:tensorflow:global_step/sec: 69.4272
INFO:tensorflow:loss = 179.34113, step = 63700 (1.441 sec)
INFO:tensorflow:global_step/sec: 66.2947
INFO:tensorflow:loss = 139.5976, step = 63800 (1.508 sec)
INFO:tensorflow:global_step/sec: 70.1982
INFO:tensorflow:loss = 121.04076, step = 63900 (1.425 sec)
INFO:tensorflow:global_step/sec: 66.9469
INFO:tensorflow:loss = 167.2215, step = 64000 (1.494 sec)
INFO:tensorflow:global_step/sec: 70.0562
INFO:tensorflow:loss = 121.402336, step = 64100 (1.427 sec)
INFO:tensorflow:global_step/sec: 68.8853
INFO:tensorflow:loss = 132.3796, step = 64200 (1.455 sec)
INFO:tensorflow:global_step/sec: 69.6994
INFO:tensorflow:loss = 97.17554, step = 64300 (1.431 sec)
INFO:tensorflow:global_step/sec: 70.3807
INFO:tensorflow:loss = 141.77089, step = 64400 (1.422 sec)
INFO:tensorflow:global_step/sec: 69.5598
INFO:tensorflow:loss = 146.84656, step = 64500 (1.440 sec)

INFO:tensorflow:global_step/sec: 68.9673
INFO:tensorflow:loss = 159.79617, step = 64600 (1.448 sec)
INFO:tensorflow:global_step/sec: 71.4227
INFO:tensorflow:loss = 162.20671, step = 64700 (1.400 sec)
INFO:tensorflow:global_step/sec: 68.7235
INFO:tensorflow:loss = 119.99207, step = 64800 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.1526
INFO:tensorflow:loss = 142.93716, step = 64900 (1.443 sec)
INFO:tensorflow:global_step/sec: 69.3708
INFO:tensorflow:loss = 158.73663, step = 65000 (1.445 sec)
INFO:tensorflow:global_step/sec: 70.6118
INFO:tensorflow:loss = 163.76677, step = 65100 (1.416 sec)
INFO:tensorflow:global_step/sec: 68.0371
INFO:tensorflow:loss = 139.9992, step = 65200 (1.468 sec)
INFO:tensorflow:global_step/sec: 69.9355
INFO:tensorflow:loss = 138.73233, step = 65300 (1.429 sec)
INFO:tensorflow:global_step/sec: 70.4506
INFO:tensorflow:loss = 158.84782, step = 65400 (1.421 sec)
INFO:tensorflow:global_step/sec: 70.9552
INFO:tensorflow:loss = 115.42601, step = 65500 (1.408 sec)
INFO:tensorflow:global_step/sec: 68.6917
INFO:tensorflow:loss = 140.75421, step = 65600 (1.455 sec)
INFO:tensorflow:global_step/sec: 68.8256
INFO:tensorflow:loss = 167.62375, step = 65700 (1.453 sec)
INFO:tensorflow:global_step/sec: 68.4439
INFO:tensorflow:loss = 142.609, step = 65800 (1.463 sec)
INFO:tensorflow:global_step/sec: 68.8683
INFO:tensorflow:loss = 152.55289, step = 65900 (1.454 sec)
INFO:tensorflow:global_step/sec: 66.7322
INFO:tensorflow:loss = 143.85233, step = 66000 (1.498 sec)
INFO:tensorflow:global_step/sec: 67.2286
INFO:tensorflow:loss = 144.49246, step = 66100 (1.485 sec)
INFO:tensorflow:global_step/sec: 69.1373
INFO:tensorflow:loss = 143.87794, step = 66200 (1.445 sec)
INFO:tensorflow:global_step/sec: 69.0112
INFO:tensorflow:loss = 166.09575, step = 66300 (1.452 sec)
INFO:tensorflow:global_step/sec: 68.9738
INFO:tensorflow:loss = 109.450874, step = 66400 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.8242
INFO:tensorflow:loss = 188.43855, step = 66500 (1.456 sec)
INFO:tensorflow:global_step/sec: 66.7148
INFO:tensorflow:loss = 149.9155, step = 66600 (1.496 sec)
INFO:tensorflow:global_step/sec: 69.948
INFO:tensorflow:loss = 142.25946, step = 66700 (1.431 sec)
INFO:tensorflow:global_step/sec: 72.947
INFO:tensorflow:loss = 181.54507, step = 66800 (1.369 sec)
INFO:tensorflow:global_step/sec: 69.6756
INFO:tensorflow:loss = 169.53311, step = 66900 (1.438 sec)

INFO:tensorflow:global_step/sec: 70.8112
INFO:tensorflow:loss = 164.50151, step = 67000 (1.409 sec)
INFO:tensorflow:global_step/sec: 70.8043
INFO:tensorflow:loss = 135.56647, step = 67100 (1.412 sec)
INFO:tensorflow:global_step/sec: 68.3514
INFO:tensorflow:loss = 133.30104, step = 67200 (1.464 sec)
INFO:tensorflow:global_step/sec: 69.4139
INFO:tensorflow:loss = 155.23784, step = 67300 (1.441 sec)
INFO:tensorflow:global_step/sec: 69.0865
INFO:tensorflow:loss = 115.965904, step = 67400 (1.447 sec)
INFO:tensorflow:global_step/sec: 70.0938
INFO:tensorflow:loss = 155.81519, step = 67500 (1.426 sec)
INFO:tensorflow:global_step/sec: 69.2426
INFO:tensorflow:loss = 136.86096, step = 67600 (1.445 sec)
INFO:tensorflow:global_step/sec: 68.2775
INFO:tensorflow:loss = 167.0458, step = 67700 (1.468 sec)
INFO:tensorflow:global_step/sec: 69.8597
INFO:tensorflow:loss = 139.60567, step = 67800 (1.430 sec)
INFO:tensorflow:global_step/sec: 70.5502
INFO:tensorflow:loss = 118.803604, step = 67900 (1.415 sec)
INFO:tensorflow:global_step/sec: 67.9261
INFO:tensorflow:loss = 153.13339, step = 68000 (1.474 sec)
INFO:tensorflow:global_step/sec: 68.9442
INFO:tensorflow:loss = 143.8051, step = 68100 (1.450 sec)
INFO:tensorflow:global_step/sec: 67.1298
INFO:tensorflow:loss = 173.16168, step = 68200 (1.490 sec)
INFO:tensorflow:global_step/sec: 71.3309
INFO:tensorflow:loss = 133.07356, step = 68300 (1.402 sec)
INFO:tensorflow:global_step/sec: 68.337
INFO:tensorflow:loss = 135.08783, step = 68400 (1.461 sec)
INFO:tensorflow:global_step/sec: 70.1805
INFO:tensorflow:loss = 118.79177, step = 68500 (1.425 sec)
INFO:tensorflow:global_step/sec: 68.8373
INFO:tensorflow:loss = 118.244, step = 68600 (1.453 sec)
INFO:tensorflow:global_step/sec: 68.3109
INFO:tensorflow:loss = 103.31752, step = 68700 (1.467 sec)
INFO:tensorflow:global_step/sec: 70.7955
INFO:tensorflow:loss = 167.59698, step = 68800 (1.411 sec)
INFO:tensorflow:global_step/sec: 71.058
INFO:tensorflow:loss = 153.95561, step = 68900 (1.408 sec)
INFO:tensorflow:global_step/sec: 68.5834
INFO:tensorflow:loss = 158.38548, step = 69000 (1.458 sec)
INFO:tensorflow:global_step/sec: 71.7437
INFO:tensorflow:loss = 149.29239, step = 69100 (1.392 sec)
INFO:tensorflow:global_step/sec: 69.0841
INFO:tensorflow:loss = 155.84035, step = 69200 (1.447 sec)
INFO:tensorflow:global_step/sec: 69.2758
INFO:tensorflow:loss = 185.47336, step = 69300 (1.443 sec)

INFO:tensorflow:global_step/sec: 68.9685
INFO:tensorflow:loss = 144.03662, step = 69400 (1.450 sec)
INFO:tensorflow:global_step/sec: 69.5876
INFO:tensorflow:loss = 145.18365, step = 69500 (1.437 sec)
INFO:tensorflow:global_step/sec: 70.5208
INFO:tensorflow:loss = 143.63779, step = 69600 (1.418 sec)
INFO:tensorflow:global_step/sec: 66.8442
INFO:tensorflow:loss = 142.18777, step = 69700 (1.496 sec)
INFO:tensorflow:global_step/sec: 70.7776
INFO:tensorflow:loss = 134.42027, step = 69800 (1.413 sec)
INFO:tensorflow:global_step/sec: 68.557
INFO:tensorflow:loss = 141.40848, step = 69900 (1.460 sec)
INFO:tensorflow:global_step/sec: 71.1839
INFO:tensorflow:loss = 163.67058, step = 70000 (1.405 sec)
INFO:tensorflow:global_step/sec: 71.4847
INFO:tensorflow:loss = 172.69366, step = 70100 (1.400 sec)
INFO:tensorflow:global_step/sec: 70.6356
INFO:tensorflow:loss = 164.10284, step = 70200 (1.413 sec)
INFO:tensorflow:global_step/sec: 70.4836
INFO:tensorflow:loss = 171.13934, step = 70300 (1.422 sec)
INFO:tensorflow:global_step/sec: 66.906
INFO:tensorflow:loss = 137.32259, step = 70400 (1.492 sec)
INFO:tensorflow:global_step/sec: 68.321
INFO:tensorflow:loss = 156.12393, step = 70500 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.7929
INFO:tensorflow:loss = 143.93689, step = 70600 (1.444 sec)
INFO:tensorflow:global_step/sec: 65.7349
INFO:tensorflow:loss = 134.14154, step = 70700 (1.523 sec)
INFO:tensorflow:global_step/sec: 67.298
INFO:tensorflow:loss = 125.227394, step = 70800 (1.486 sec)
INFO:tensorflow:global_step/sec: 68.7983
INFO:tensorflow:loss = 138.33194, step = 70900 (1.454 sec)
INFO:tensorflow:global_step/sec: 70.3184
INFO:tensorflow:loss = 121.10357, step = 71000 (1.419 sec)
INFO:tensorflow:global_step/sec: 69.4285
INFO:tensorflow:loss = 134.95131, step = 71100 (1.441 sec)
INFO:tensorflow:global_step/sec: 68.4662
INFO:tensorflow:loss = 112.51297, step = 71200 (1.463 sec)
INFO:tensorflow:global_step/sec: 68.7707
INFO:tensorflow:loss = 142.5965, step = 71300 (1.451 sec)
INFO:tensorflow:global_step/sec: 69.2291
INFO:tensorflow:loss = 161.5025, step = 71400 (1.445 sec)
INFO:tensorflow:global_step/sec: 68.8136
INFO:tensorflow:loss = 154.30305, step = 71500 (1.453 sec)
INFO:tensorflow:global_step/sec: 67.2894
INFO:tensorflow:loss = 156.16205, step = 71600 (1.490 sec)
INFO:tensorflow:global_step/sec: 70.009
INFO:tensorflow:loss = 133.69003, step = 71700 (1.424 sec)

INFO:tensorflow:global_step/sec: 68.8008
INFO:tensorflow:loss = 149.87819, step = 71800 (1.454 sec)
INFO:tensorflow:global_step/sec: 67.5582
INFO:tensorflow:loss = 143.86955, step = 71900 (1.480 sec)
INFO:tensorflow:global_step/sec: 68.4294
INFO:tensorflow:loss = 177.45728, step = 72000 (1.461 sec)
INFO:tensorflow:global_step/sec: 65.913
INFO:tensorflow:loss = 144.58478, step = 72100 (1.521 sec)
INFO:tensorflow:global_step/sec: 67.4557
INFO:tensorflow:loss = 130.44313, step = 72200 (1.482 sec)
INFO:tensorflow:global_step/sec: 65.9724
INFO:tensorflow:loss = 107.41184, step = 72300 (1.512 sec)
INFO:tensorflow:global_step/sec: 65.8119
INFO:tensorflow:loss = 124.43657, step = 72400 (1.519 sec)
INFO:tensorflow:global_step/sec: 67.3167
INFO:tensorflow:loss = 121.01567, step = 72500 (1.486 sec)
INFO:tensorflow:global_step/sec: 66.2371
INFO:tensorflow:loss = 122.276276, step = 72600 (1.510 sec)
INFO:tensorflow:global_step/sec: 64.3756
INFO:tensorflow:loss = 135.02957, step = 72700 (1.554 sec)
INFO:tensorflow:global_step/sec: 66.1442
INFO:tensorflow:loss = 154.92404, step = 72800 (1.510 sec)
INFO:tensorflow:global_step/sec: 70.1581
INFO:tensorflow:loss = 200.7428, step = 72900 (1.428 sec)
INFO:tensorflow:global_step/sec: 68.1433
INFO:tensorflow:loss = 152.42157, step = 73000 (1.465 sec)
INFO:tensorflow:global_step/sec: 67.2336
INFO:tensorflow:loss = 160.45346, step = 73100 (1.489 sec)
INFO:tensorflow:global_step/sec: 69.9201
INFO:tensorflow:loss = 185.54718, step = 73200 (1.433 sec)
INFO:tensorflow:global_step/sec: 69.2168
INFO:tensorflow:loss = 136.62425, step = 73300 (1.443 sec)
INFO:tensorflow:global_step/sec: 70.1535
INFO:tensorflow:loss = 191.87784, step = 73400 (1.423 sec)
INFO:tensorflow:global_step/sec: 69.1505
INFO:tensorflow:loss = 154.95851, step = 73500 (1.446 sec)
INFO:tensorflow:global_step/sec: 68.0246
INFO:tensorflow:loss = 130.12247, step = 73600 (1.470 sec)
INFO:tensorflow:global_step/sec: 69.3579
INFO:tensorflow:loss = 127.15868, step = 73700 (1.441 sec)
INFO:tensorflow:global_step/sec: 69.9264
INFO:tensorflow:loss = 150.68237, step = 73800 (1.432 sec)
INFO:tensorflow:global_step/sec: 68.8856
INFO:tensorflow:loss = 119.44707, step = 73900 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.0416
INFO:tensorflow:loss = 123.13886, step = 74000 (1.472 sec)
INFO:tensorflow:global_step/sec: 68.8246
INFO:tensorflow:loss = 122.87433, step = 74100 (1.451 sec)

INFO:tensorflow:global_step/sec: 68.9462
INFO:tensorflow:loss = 152.25998, step = 74200 (1.452 sec)
INFO:tensorflow:global_step/sec: 69.6234
INFO:tensorflow:loss = 130.45833, step = 74300 (1.435 sec)
INFO:tensorflow:global_step/sec: 67.7801
INFO:tensorflow:loss = 167.25082, step = 74400 (1.475 sec)
INFO:tensorflow:global_step/sec: 69.9328
INFO:tensorflow:loss = 143.9702, step = 74500 (1.430 sec)
INFO:tensorflow:global_step/sec: 67.85
INFO:tensorflow:loss = 146.89423, step = 74600 (1.476 sec)
INFO:tensorflow:global_step/sec: 67.9908
INFO:tensorflow:loss = 150.65857, step = 74700 (1.467 sec)
INFO:tensorflow:global_step/sec: 68.002
INFO:tensorflow:loss = 126.905785, step = 74800 (1.474 sec)
INFO:tensorflow:global_step/sec: 66.9666
INFO:tensorflow:loss = 152.5021, step = 74900 (1.490 sec)
INFO:tensorflow:global_step/sec: 67.2088
INFO:tensorflow:loss = 173.90828, step = 75000 (1.487 sec)
INFO:tensorflow:global_step/sec: 69.5603
INFO:tensorflow:loss = 126.71711, step = 75100 (1.438 sec)
INFO:tensorflow:global_step/sec: 68.9329
INFO:tensorflow:loss = 137.29283, step = 75200 (1.453 sec)
INFO:tensorflow:global_step/sec: 69.6693
INFO:tensorflow:loss = 142.20917, step = 75300 (1.436 sec)
INFO:tensorflow:global_step/sec: 70.9146
INFO:tensorflow:loss = 148.8015, step = 75400 (1.408 sec)
INFO:tensorflow:global_step/sec: 69.1495
INFO:tensorflow:loss = 108.54499, step = 75500 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.4837
INFO:tensorflow:loss = 139.61067, step = 75600 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.7947
INFO:tensorflow:loss = 118.666405, step = 75700 (1.436 sec)
INFO:tensorflow:global_step/sec: 70.6862
INFO:tensorflow:loss = 124.27821, step = 75800 (1.415 sec)
INFO:tensorflow:global_step/sec: 71.9006
INFO:tensorflow:loss = 105.288704, step = 75900 (1.387 sec)
INFO:tensorflow:global_step/sec: 69.0938
INFO:tensorflow:loss = 131.47594, step = 76000 (1.447 sec)
INFO:tensorflow:global_step/sec: 70.2603
INFO:tensorflow:loss = 157.04561, step = 76100 (1.426 sec)
INFO:tensorflow:global_step/sec: 69.1795
INFO:tensorflow:loss = 172.02766, step = 76200 (1.443 sec)
INFO:tensorflow:global_step/sec: 67.5068
INFO:tensorflow:loss = 157.42572, step = 76300 (1.481 sec)
INFO:tensorflow:global_step/sec: 70.0228
INFO:tensorflow:loss = 109.98446, step = 76400 (1.431 sec)
INFO:tensorflow:global_step/sec: 70.0723
INFO:tensorflow:loss = 131.46404, step = 76500 (1.427 sec)

INFO:tensorflow:global_step/sec: 68.3975
INFO:tensorflow:loss = 102.48723, step = 76600 (1.462 sec)
INFO:tensorflow:global_step/sec: 68.2851
INFO:tensorflow:loss = 130.27206, step = 76700 (1.469 sec)
INFO:tensorflow:global_step/sec: 68.8262
INFO:tensorflow:loss = 186.15753, step = 76800 (1.447 sec)
INFO:tensorflow:global_step/sec: 67.4192
INFO:tensorflow:loss = 162.33473, step = 76900 (1.487 sec)
INFO:tensorflow:global_step/sec: 66.2243
INFO:tensorflow:loss = 181.51862, step = 77000 (1.509 sec)
INFO:tensorflow:global_step/sec: 70.4886
INFO:tensorflow:loss = 117.356415, step = 77100 (1.416 sec)
INFO:tensorflow:global_step/sec: 67.9276
INFO:tensorflow:loss = 133.37286, step = 77200 (1.475 sec)
INFO:tensorflow:global_step/sec: 67.465
INFO:tensorflow:loss = 149.92067, step = 77300 (1.481 sec)
INFO:tensorflow:global_step/sec: 67.6539
INFO:tensorflow:loss = 143.16083, step = 77400 (1.480 sec)
INFO:tensorflow:global_step/sec: 66.1413
INFO:tensorflow:loss = 98.68579, step = 77500 (1.512 sec)
INFO:tensorflow:global_step/sec: 67.9944
INFO:tensorflow:loss = 151.1138, step = 77600 (1.470 sec)
INFO:tensorflow:global_step/sec: 66.7435
INFO:tensorflow:loss = 146.58118, step = 77700 (1.498 sec)
INFO:tensorflow:global_step/sec: 71.5933
INFO:tensorflow:loss = 129.52077, step = 77800 (1.400 sec)
INFO:tensorflow:global_step/sec: 69.9796
INFO:tensorflow:loss = 124.10516, step = 77900 (1.426 sec)
INFO:tensorflow:global_step/sec: 70.6791
INFO:tensorflow:loss = 141.75084, step = 78000 (1.416 sec)
INFO:tensorflow:global_step/sec: 66.8576
INFO:tensorflow:loss = 135.32986, step = 78100 (1.496 sec)
INFO:tensorflow:global_step/sec: 67.399
INFO:tensorflow:loss = 128.11217, step = 78200 (1.481 sec)
INFO:tensorflow:global_step/sec: 70.8997
INFO:tensorflow:loss = 135.56218, step = 78300 (1.410 sec)
INFO:tensorflow:global_step/sec: 68.7914
INFO:tensorflow:loss = 114.20736, step = 78400 (1.454 sec)
INFO:tensorflow:global_step/sec: 70.3825
INFO:tensorflow:loss = 124.0616, step = 78500 (1.424 sec)
INFO:tensorflow:global_step/sec: 69.084
INFO:tensorflow:loss = 141.31555, step = 78600 (1.444 sec)
INFO:tensorflow:global_step/sec: 68.7994
INFO:tensorflow:loss = 205.24377, step = 78700 (1.454 sec)
INFO:tensorflow:global_step/sec: 69.0217
INFO:tensorflow:loss = 132.70761, step = 78800 (1.448 sec)
INFO:tensorflow:global_step/sec: 70.0234
INFO:tensorflow:loss = 121.57679, step = 78900 (1.429 sec)

INFO:tensorflow:global_step/sec: 66.7621
INFO:tensorflow:loss = 140.30328, step = 79000 (1.498 sec)
INFO:tensorflow:global_step/sec: 69.8599
INFO:tensorflow:loss = 157.23453, step = 79100 (1.431 sec)
INFO:tensorflow:global_step/sec: 71.6667
INFO:tensorflow:loss = 107.43691, step = 79200 (1.395 sec)
INFO:tensorflow:global_step/sec: 69.1934
INFO:tensorflow:loss = 134.0313, step = 79300 (1.448 sec)
INFO:tensorflow:global_step/sec: 71.1967
INFO:tensorflow:loss = 155.34702, step = 79400 (1.402 sec)
INFO:tensorflow:global_step/sec: 71.8743
INFO:tensorflow:loss = 125.217476, step = 79500 (1.391 sec)
INFO:tensorflow:global_step/sec: 66.356
INFO:tensorflow:loss = 175.26877, step = 79600 (1.509 sec)
INFO:tensorflow:global_step/sec: 68.6818
INFO:tensorflow:loss = 112.43983, step = 79700 (1.457 sec)
INFO:tensorflow:global_step/sec: 68.8646
INFO:tensorflow:loss = 144.53418, step = 79800 (1.451 sec)
INFO:tensorflow:global_step/sec: 68.3413
INFO:tensorflow:loss = 163.69409, step = 79900 (1.461 sec)
INFO:tensorflow:global_step/sec: 71.2055
INFO:tensorflow:loss = 180.08824, step = 80000 (1.405 sec)
INFO:tensorflow:global_step/sec: 66.9845
INFO:tensorflow:loss = 157.83481, step = 80100 (1.493 sec)
INFO:tensorflow:global_step/sec: 68.5071
INFO:tensorflow:loss = 121.834145, step = 80200 (1.462 sec)
INFO:tensorflow:global_step/sec: 67.4821
INFO:tensorflow:loss = 117.80197, step = 80300 (1.479 sec)
INFO:tensorflow:global_step/sec: 70.6588
INFO:tensorflow:loss = 197.32237, step = 80400 (1.418 sec)
INFO:tensorflow:global_step/sec: 68.1812
INFO:tensorflow:loss = 156.72043, step = 80500 (1.467 sec)
INFO:tensorflow:global_step/sec: 70.4911
INFO:tensorflow:loss = 127.90805, step = 80600 (1.417 sec)
INFO:tensorflow:global_step/sec: 67.8139
INFO:tensorflow:loss = 142.66544, step = 80700 (1.476 sec)
INFO:tensorflow:global_step/sec: 69.7375
INFO:tensorflow:loss = 144.83444, step = 80800 (1.433 sec)
INFO:tensorflow:global_step/sec: 68.1368
INFO:tensorflow:loss = 160.66808, step = 80900 (1.465 sec)
INFO:tensorflow:global_step/sec: 65.7288
INFO:tensorflow:loss = 140.25742, step = 81000 (1.521 sec)
INFO:tensorflow:global_step/sec: 65.6366
INFO:tensorflow:loss = 149.057, step = 81100 (1.526 sec)
INFO:tensorflow:global_step/sec: 67.7293
INFO:tensorflow:loss = 150.59909, step = 81200 (1.475 sec)
INFO:tensorflow:global_step/sec: 66.5725
INFO:tensorflow:loss = 160.44937, step = 81300 (1.503 sec)

INFO:tensorflow:global_step/sec: 67.2456
INFO:tensorflow:loss = 133.53271, step = 81400 (1.489 sec)
INFO:tensorflow:Saving checkpoints for 81426 into /tmp/tmp95_bbwn2/model.ckpt.
INFO:tensorflow:global_step/sec: 46.7042
INFO:tensorflow:loss = 155.33688, step = 81500 (2.138 sec)
INFO:tensorflow:global_step/sec: 68.3186
INFO:tensorflow:loss = 146.96793, step = 81600 (1.466 sec)
INFO:tensorflow:global_step/sec: 66.0803
INFO:tensorflow:loss = 164.80247, step = 81700 (1.513 sec)
INFO:tensorflow:global_step/sec: 69.6497
INFO:tensorflow:loss = 137.10292, step = 81800 (1.433 sec)
INFO:tensorflow:global_step/sec: 68.6841
INFO:tensorflow:loss = 175.0585, step = 81900 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.5238
INFO:tensorflow:loss = 174.68457, step = 82000 (1.438 sec)
INFO:tensorflow:global_step/sec: 70.0215
INFO:tensorflow:loss = 138.84894, step = 82100 (1.429 sec)
INFO:tensorflow:global_step/sec: 67.68
INFO:tensorflow:loss = 168.91812, step = 82200 (1.477 sec)
INFO:tensorflow:global_step/sec: 69.2903
INFO:tensorflow:loss = 155.10153, step = 82300 (1.445 sec)
INFO:tensorflow:global_step/sec: 69.652
INFO:tensorflow:loss = 149.03, step = 82400 (1.437 sec)
INFO:tensorflow:global_step/sec: 67.8113
INFO:tensorflow:loss = 170.46667, step = 82500 (1.475 sec)
INFO:tensorflow:global_step/sec: 67.7944
INFO:tensorflow:loss = 140.5705, step = 82600 (1.474 sec)
INFO:tensorflow:global_step/sec: 67.1317
INFO:tensorflow:loss = 150.50797, step = 82700 (1.487 sec)
INFO:tensorflow:global_step/sec: 70.1666
INFO:tensorflow:loss = 158.5845, step = 82800 (1.428 sec)
INFO:tensorflow:global_step/sec: 70.4889
INFO:tensorflow:loss = 163.74403, step = 82900 (1.415 sec)
INFO:tensorflow:global_step/sec: 66.8162
INFO:tensorflow:loss = 149.24133, step = 83000 (1.497 sec)
INFO:tensorflow:global_step/sec: 66.5056
INFO:tensorflow:loss = 142.81122, step = 83100 (1.506 sec)
INFO:tensorflow:global_step/sec: 68.7376
INFO:tensorflow:loss = 157.09555, step = 83200 (1.455 sec)
INFO:tensorflow:global_step/sec: 68.7099
INFO:tensorflow:loss = 130.7765, step = 83300 (1.454 sec)
INFO:tensorflow:global_step/sec: 68.134
INFO:tensorflow:loss = 147.27245, step = 83400 (1.469 sec)
INFO:tensorflow:global_step/sec: 67.3862
INFO:tensorflow:loss = 170.427, step = 83500 (1.482 sec)
INFO:tensorflow:global_step/sec: 68.0702
INFO:tensorflow:loss = 187.69057, step = 83600 (1.469 sec)
INFO:tensorflow:global_step/sec: 71.0078

INFO:tensorflow:loss = 177.21236, step = 83700 (1.408 sec)
INFO:tensorflow:global_step/sec: 69.7216
INFO:tensorflow:loss = 115.43263, step = 83800 (1.436 sec)
INFO:tensorflow:global_step/sec: 66.6454
INFO:tensorflow:loss = 157.58925, step = 83900 (1.499 sec)
INFO:tensorflow:global_step/sec: 69.9836
INFO:tensorflow:loss = 156.2368, step = 84000 (1.428 sec)
INFO:tensorflow:global_step/sec: 69.8849
INFO:tensorflow:loss = 149.03268, step = 84100 (1.432 sec)
INFO:tensorflow:global_step/sec: 69.5223
INFO:tensorflow:loss = 178.51306, step = 84200 (1.438 sec)
INFO:tensorflow:global_step/sec: 68.1033
INFO:tensorflow:loss = 166.48367, step = 84300 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.9339
INFO:tensorflow:loss = 144.88982, step = 84400 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.603
INFO:tensorflow:loss = 145.67493, step = 84500 (1.459 sec)
INFO:tensorflow:global_step/sec: 69.9881
INFO:tensorflow:loss = 125.561066, step = 84600 (1.430 sec)
INFO:tensorflow:global_step/sec: 68.3688
INFO:tensorflow:loss = 186.70996, step = 84700 (1.463 sec)
INFO:tensorflow:global_step/sec: 67.7614
INFO:tensorflow:loss = 139.49503, step = 84800 (1.473 sec)
INFO:tensorflow:global_step/sec: 71.5814
INFO:tensorflow:loss = 168.50334, step = 84900 (1.400 sec)
INFO:tensorflow:global_step/sec: 70.3183
INFO:tensorflow:loss = 139.31433, step = 85000 (1.419 sec)
INFO:tensorflow:global_step/sec: 67.5027
INFO:tensorflow:loss = 143.69383, step = 85100 (1.482 sec)
INFO:tensorflow:global_step/sec: 70.7619
INFO:tensorflow:loss = 124.134, step = 85200 (1.414 sec)
INFO:tensorflow:global_step/sec: 68.8157
INFO:tensorflow:loss = 138.78464, step = 85300 (1.454 sec)
INFO:tensorflow:global_step/sec: 68.5642
INFO:tensorflow:loss = 143.44904, step = 85400 (1.460 sec)
INFO:tensorflow:global_step/sec: 68.1334
INFO:tensorflow:loss = 127.029144, step = 85500 (1.464 sec)
INFO:tensorflow:global_step/sec: 68.5356
INFO:tensorflow:loss = 113.616356, step = 85600 (1.459 sec)
INFO:tensorflow:global_step/sec: 69.0341
INFO:tensorflow:loss = 111.35739, step = 85700 (1.450 sec)
INFO:tensorflow:global_step/sec: 69.98
INFO:tensorflow:loss = 142.10406, step = 85800 (1.428 sec)
INFO:tensorflow:global_step/sec: 70.7142
INFO:tensorflow:loss = 119.37667, step = 85900 (1.414 sec)
INFO:tensorflow:global_step/sec: 69.1434
INFO:tensorflow:loss = 132.85986, step = 86000 (1.451 sec)
INFO:tensorflow:global_step/sec: 70.506

INFO:tensorflow:loss = 133.7139, step = 86100 (1.416 sec)
INFO:tensorflow:global_step/sec: 68.4011
INFO:tensorflow:loss = 151.61673, step = 86200 (1.459 sec)
INFO:tensorflow:global_step/sec: 69.5698
INFO:tensorflow:loss = 95.10202, step = 86300 (1.440 sec)
INFO:tensorflow:global_step/sec: 71.3033
INFO:tensorflow:loss = 145.48228, step = 86400 (1.400 sec)
INFO:tensorflow:global_step/sec: 69.5023
INFO:tensorflow:loss = 131.10716, step = 86500 (1.444 sec)
INFO:tensorflow:global_step/sec: 67.7474
INFO:tensorflow:loss = 172.22353, step = 86600 (1.471 sec)
INFO:tensorflow:global_step/sec: 70.7629
INFO:tensorflow:loss = 109.4685, step = 86700 (1.413 sec)
INFO:tensorflow:global_step/sec: 69.7135
INFO:tensorflow:loss = 143.39229, step = 86800 (1.435 sec)
INFO:tensorflow:global_step/sec: 68.9048
INFO:tensorflow:loss = 124.77791, step = 86900 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.6036
INFO:tensorflow:loss = 114.22222, step = 87000 (1.458 sec)
INFO:tensorflow:global_step/sec: 71.0136
INFO:tensorflow:loss = 114.17349, step = 87100 (1.411 sec)
INFO:tensorflow:global_step/sec: 67.5986
INFO:tensorflow:loss = 138.53854, step = 87200 (1.477 sec)
INFO:tensorflow:global_step/sec: 68.067
INFO:tensorflow:loss = 112.18392, step = 87300 (1.471 sec)
INFO:tensorflow:global_step/sec: 70.1606
INFO:tensorflow:loss = 112.78114, step = 87400 (1.426 sec)
INFO:tensorflow:global_step/sec: 70.3923
INFO:tensorflow:loss = 111.33859, step = 87500 (1.417 sec)
INFO:tensorflow:global_step/sec: 69.9033
INFO:tensorflow:loss = 152.18155, step = 87600 (1.431 sec)
INFO:tensorflow:global_step/sec: 68.7709
INFO:tensorflow:loss = 102.28935, step = 87700 (1.456 sec)
INFO:tensorflow:global_step/sec: 70.1298
INFO:tensorflow:loss = 126.443756, step = 87800 (1.424 sec)
INFO:tensorflow:global_step/sec: 71.2695
INFO:tensorflow:loss = 119.205315, step = 87900 (1.406 sec)
INFO:tensorflow:global_step/sec: 69.5553
INFO:tensorflow:loss = 127.647354, step = 88000 (1.437 sec)
INFO:tensorflow:global_step/sec: 67.0887
INFO:tensorflow:loss = 196.03629, step = 88100 (1.489 sec)
INFO:tensorflow:global_step/sec: 69.217
INFO:tensorflow:loss = 134.99533, step = 88200 (1.447 sec)
INFO:tensorflow:global_step/sec: 70.6128
INFO:tensorflow:loss = 147.65132, step = 88300 (1.416 sec)
INFO:tensorflow:global_step/sec: 69.1993
INFO:tensorflow:loss = 127.05601, step = 88400 (1.448 sec)
INFO:tensorflow:global_step/sec: 66.6811

INFO:tensorflow:loss = 141.62367, step = 88500 (1.494 sec)
INFO:tensorflow:global_step/sec: 68.4715
INFO:tensorflow:loss = 143.99104, step = 88600 (1.461 sec)
INFO:tensorflow:global_step/sec: 68.0323
INFO:tensorflow:loss = 127.38894, step = 88700 (1.469 sec)
INFO:tensorflow:global_step/sec: 71.0522
INFO:tensorflow:loss = 122.77665, step = 88800 (1.407 sec)
INFO:tensorflow:global_step/sec: 69.4697
INFO:tensorflow:loss = 110.69726, step = 88900 (1.441 sec)
INFO:tensorflow:global_step/sec: 68.0944
INFO:tensorflow:loss = 107.81456, step = 89000 (1.470 sec)
INFO:tensorflow:global_step/sec: 70.7166
INFO:tensorflow:loss = 110.8282, step = 89100 (1.414 sec)
INFO:tensorflow:global_step/sec: 69.2239
INFO:tensorflow:loss = 168.97238, step = 89200 (1.441 sec)
INFO:tensorflow:global_step/sec: 68.4385
INFO:tensorflow:loss = 673.6747, step = 89300 (1.461 sec)
INFO:tensorflow:global_step/sec: 72.3817
INFO:tensorflow:loss = 173.79504, step = 89400 (1.381 sec)
INFO:tensorflow:global_step/sec: 66.1723
INFO:tensorflow:loss = 117.943115, step = 89500 (1.514 sec)
INFO:tensorflow:global_step/sec: 69.2923
INFO:tensorflow:loss = 145.05437, step = 89600 (1.443 sec)
INFO:tensorflow:global_step/sec: 70.9679
INFO:tensorflow:loss = 139.88715, step = 89700 (1.407 sec)
INFO:tensorflow:global_step/sec: 68.6182
INFO:tensorflow:loss = 133.06389, step = 89800 (1.458 sec)
INFO:tensorflow:global_step/sec: 67.1314
INFO:tensorflow:loss = 140.34222, step = 89900 (1.489 sec)
INFO:tensorflow:global_step/sec: 67.8034
INFO:tensorflow:loss = 128.11359, step = 90000 (1.477 sec)
INFO:tensorflow:global_step/sec: 68.5991
INFO:tensorflow:loss = 139.97305, step = 90100 (1.457 sec)
INFO:tensorflow:global_step/sec: 71.186
INFO:tensorflow:loss = 189.52576, step = 90200 (1.407 sec)
INFO:tensorflow:global_step/sec: 69.5366
INFO:tensorflow:loss = 141.24306, step = 90300 (1.438 sec)
INFO:tensorflow:global_step/sec: 67.9021
INFO:tensorflow:loss = 143.71266, step = 90400 (1.472 sec)
INFO:tensorflow:global_step/sec: 71.0073
INFO:tensorflow:loss = 121.228516, step = 90500 (1.406 sec)
INFO:tensorflow:global_step/sec: 69.8943
INFO:tensorflow:loss = 122.62131, step = 90600 (1.431 sec)
INFO:tensorflow:global_step/sec: 70.3699
INFO:tensorflow:loss = 154.3613, step = 90700 (1.424 sec)
INFO:tensorflow:global_step/sec: 66.8371
INFO:tensorflow:loss = 115.19518, step = 90800 (1.494 sec)
INFO:tensorflow:global_step/sec: 68.1826

INFO:tensorflow:loss = 125.10818, step = 90900 (1.466 sec)
INFO:tensorflow:global_step/sec: 71.9243
INFO:tensorflow:loss = 103.68149, step = 91000 (1.394 sec)
INFO:tensorflow:global_step/sec: 70.351
INFO:tensorflow:loss = 127.62699, step = 91100 (1.419 sec)
INFO:tensorflow:global_step/sec: 73.0266
INFO:tensorflow:loss = 111.28161, step = 91200 (1.370 sec)
INFO:tensorflow:global_step/sec: 70.2795
INFO:tensorflow:loss = 150.32951, step = 91300 (1.421 sec)
INFO:tensorflow:global_step/sec: 67.0846
INFO:tensorflow:loss = 122.12696, step = 91400 (1.493 sec)
INFO:tensorflow:global_step/sec: 71.1403
INFO:tensorflow:loss = 169.08421, step = 91500 (1.405 sec)
INFO:tensorflow:global_step/sec: 71.251
INFO:tensorflow:loss = 103.35035, step = 91600 (1.403 sec)
INFO:tensorflow:global_step/sec: 69.2949
INFO:tensorflow:loss = 134.07808, step = 91700 (1.440 sec)
INFO:tensorflow:global_step/sec: 69.674
INFO:tensorflow:loss = 159.37703, step = 91800 (1.436 sec)
INFO:tensorflow:global_step/sec: 67.7438
INFO:tensorflow:loss = 110.98575, step = 91900 (1.478 sec)
INFO:tensorflow:global_step/sec: 70.7905
INFO:tensorflow:loss = 130.66124, step = 92000 (1.410 sec)
INFO:tensorflow:global_step/sec: 69.7139
INFO:tensorflow:loss = 167.14505, step = 92100 (1.434 sec)
INFO:tensorflow:global_step/sec: 69.7104
INFO:tensorflow:loss = 125.82043, step = 92200 (1.437 sec)
INFO:tensorflow:global_step/sec: 70.1802
INFO:tensorflow:loss = 160.658, step = 92300 (1.424 sec)
INFO:tensorflow:global_step/sec: 67.9497
INFO:tensorflow:loss = 150.83104, step = 92400 (1.471 sec)
INFO:tensorflow:global_step/sec: 70.4044
INFO:tensorflow:loss = 116.166626, step = 92500 (1.423 sec)
INFO:tensorflow:global_step/sec: 68.9914
INFO:tensorflow:loss = 141.1966, step = 92600 (1.446 sec)
INFO:tensorflow:global_step/sec: 69.8889
INFO:tensorflow:loss = 174.2049, step = 92700 (1.432 sec)
INFO:tensorflow:global_step/sec: 68.3522
INFO:tensorflow:loss = 145.24089, step = 92800 (1.462 sec)
INFO:tensorflow:global_step/sec: 67.5061
INFO:tensorflow:loss = 131.6434, step = 92900 (1.481 sec)
INFO:tensorflow:global_step/sec: 69.0095
INFO:tensorflow:loss = 115.49867, step = 93000 (1.452 sec)
INFO:tensorflow:global_step/sec: 69.0704
INFO:tensorflow:loss = 126.632164, step = 93100 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.3385
INFO:tensorflow:loss = 99.97631, step = 93200 (1.460 sec)
INFO:tensorflow:global_step/sec: 72.0172

INFO:tensorflow:loss = 126.50345, step = 93300 (1.391 sec)
INFO:tensorflow:global_step/sec: 66.8114
INFO:tensorflow:loss = 120.43448, step = 93400 (1.497 sec)
INFO:tensorflow:global_step/sec: 65.7164
INFO:tensorflow:loss = 139.98593, step = 93500 (1.519 sec)
INFO:tensorflow:global_step/sec: 65.7814
INFO:tensorflow:loss = 116.847565, step = 93600 (1.523 sec)
INFO:tensorflow:global_step/sec: 66.8483
INFO:tensorflow:loss = 126.84582, step = 93700 (1.495 sec)
INFO:tensorflow:global_step/sec: 64.9968
INFO:tensorflow:loss = 200.84561, step = 93800 (1.539 sec)
INFO:tensorflow:global_step/sec: 67.8677
INFO:tensorflow:loss = 163.89552, step = 93900 (1.470 sec)
INFO:tensorflow:global_step/sec: 66.835
INFO:tensorflow:loss = 138.6688, step = 94000 (1.497 sec)
INFO:tensorflow:global_step/sec: 63.2527
INFO:tensorflow:loss = 147.57484, step = 94100 (1.581 sec)
INFO:tensorflow:global_step/sec: 66.2217
INFO:tensorflow:loss = 121.146576, step = 94200 (1.512 sec)
INFO:tensorflow:global_step/sec: 66.8805
INFO:tensorflow:loss = 119.4187, step = 94300 (1.496 sec)
INFO:tensorflow:global_step/sec: 66.7849
INFO:tensorflow:loss = 172.50632, step = 94400 (1.496 sec)
INFO:tensorflow:global_step/sec: 68.8965
INFO:tensorflow:loss = 148.0806, step = 94500 (1.452 sec)
INFO:tensorflow:global_step/sec: 68.8733
INFO:tensorflow:loss = 146.57764, step = 94600 (1.451 sec)
INFO:tensorflow:global_step/sec: 70.4325
INFO:tensorflow:loss = 125.66348, step = 94700 (1.419 sec)
INFO:tensorflow:global_step/sec: 69.9399
INFO:tensorflow:loss = 141.93193, step = 94800 (1.433 sec)
INFO:tensorflow:global_step/sec: 70.5849
INFO:tensorflow:loss = 149.51021, step = 94900 (1.416 sec)
INFO:tensorflow:global_step/sec: 69.5241
INFO:tensorflow:loss = 124.67262, step = 95000 (1.436 sec)
INFO:tensorflow:global_step/sec: 69.9988
INFO:tensorflow:loss = 141.00438, step = 95100 (1.431 sec)
INFO:tensorflow:global_step/sec: 68.0701
INFO:tensorflow:loss = 148.78955, step = 95200 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.3773
INFO:tensorflow:loss = 152.41805, step = 95300 (1.445 sec)
INFO:tensorflow:global_step/sec: 69.8531
INFO:tensorflow:loss = 121.92089, step = 95400 (1.431 sec)
INFO:tensorflow:global_step/sec: 68.87
INFO:tensorflow:loss = 171.43324, step = 95500 (1.452 sec)
INFO:tensorflow:global_step/sec: 70.4583
INFO:tensorflow:loss = 154.9195, step = 95600 (1.416 sec)
INFO:tensorflow:global_step/sec: 67.1609

INFO:tensorflow:loss = 165.26608, step = 95700 (1.491 sec)
INFO:tensorflow:global_step/sec: 69.6743
INFO:tensorflow:loss = 147.91058, step = 95800 (1.437 sec)
INFO:tensorflow:global_step/sec: 68.5992
INFO:tensorflow:loss = 115.96382, step = 95900 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.9813
INFO:tensorflow:loss = 129.40192, step = 96000 (1.429 sec)
INFO:tensorflow:global_step/sec: 68.3794
INFO:tensorflow:loss = 157.06535, step = 96100 (1.465 sec)
INFO:tensorflow:global_step/sec: 67.932
INFO:tensorflow:loss = 125.54682, step = 96200 (1.468 sec)
INFO:tensorflow:global_step/sec: 69.5981
INFO:tensorflow:loss = 166.51526, step = 96300 (1.437 sec)
INFO:tensorflow:global_step/sec: 69.588
INFO:tensorflow:loss = 119.758575, step = 96400 (1.440 sec)
INFO:tensorflow:global_step/sec: 65.9465
INFO:tensorflow:loss = 142.93283, step = 96500 (1.517 sec)
INFO:tensorflow:global_step/sec: 68.5434
INFO:tensorflow:loss = 146.5862, step = 96600 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.646
INFO:tensorflow:loss = 136.11363, step = 96700 (1.436 sec)
INFO:tensorflow:global_step/sec: 70.0158
INFO:tensorflow:loss = 152.83318, step = 96800 (1.428 sec)
INFO:tensorflow:global_step/sec: 70.7034
INFO:tensorflow:loss = 129.37875, step = 96900 (1.418 sec)
INFO:tensorflow:global_step/sec: 70.0568
INFO:tensorflow:loss = 133.60858, step = 97000 (1.425 sec)
INFO:tensorflow:global_step/sec: 70.7615
INFO:tensorflow:loss = 188.19662, step = 97100 (1.413 sec)
INFO:tensorflow:global_step/sec: 68.6207
INFO:tensorflow:loss = 173.7005, step = 97200 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.6936
INFO:tensorflow:loss = 150.34314, step = 97300 (1.435 sec)
INFO:tensorflow:global_step/sec: 68.8273
INFO:tensorflow:loss = 120.10792, step = 97400 (1.455 sec)
INFO:tensorflow:global_step/sec: 68.911
INFO:tensorflow:loss = 131.38391, step = 97500 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.4124
INFO:tensorflow:loss = 129.12408, step = 97600 (1.464 sec)
INFO:tensorflow:global_step/sec: 70.4325
INFO:tensorflow:loss = 105.99048, step = 97700 (1.415 sec)
INFO:tensorflow:global_step/sec: 69.3646
INFO:tensorflow:loss = 138.92982, step = 97800 (1.443 sec)
INFO:tensorflow:global_step/sec: 68.2946
INFO:tensorflow:loss = 128.20477, step = 97900 (1.463 sec)
INFO:tensorflow:global_step/sec: 70.8516
INFO:tensorflow:loss = 148.91663, step = 98000 (1.413 sec)
INFO:tensorflow:global_step/sec: 69.772

INFO:tensorflow:loss = 139.69025, step = 98100 (1.432 sec)
INFO:tensorflow:global_step/sec: 67.1741
INFO:tensorflow:loss = 135.4898, step = 98200 (1.489 sec)
INFO:tensorflow:global_step/sec: 67.1417
INFO:tensorflow:loss = 125.42676, step = 98300 (1.492 sec)
INFO:tensorflow:global_step/sec: 65.1517
INFO:tensorflow:loss = 167.00804, step = 98400 (1.535 sec)
INFO:tensorflow:global_step/sec: 66.1634
INFO:tensorflow:loss = 151.81764, step = 98500 (1.509 sec)
INFO:tensorflow:global_step/sec: 66.3521
INFO:tensorflow:loss = 162.26921, step = 98600 (1.507 sec)
INFO:tensorflow:global_step/sec: 68.5641
INFO:tensorflow:loss = 118.5926, step = 98700 (1.458 sec)
INFO:tensorflow:global_step/sec: 67.7766
INFO:tensorflow:loss = 105.83788, step = 98800 (1.478 sec)
INFO:tensorflow:global_step/sec: 70.5026
INFO:tensorflow:loss = 120.6712, step = 98900 (1.419 sec)
INFO:tensorflow:global_step/sec: 72.0612
INFO:tensorflow:loss = 111.44352, step = 99000 (1.387 sec)
INFO:tensorflow:global_step/sec: 67.5471
INFO:tensorflow:loss = 111.803185, step = 99100 (1.479 sec)
INFO:tensorflow:global_step/sec: 69.2614
INFO:tensorflow:loss = 152.15747, step = 99200 (1.446 sec)
INFO:tensorflow:global_step/sec: 67.8775
INFO:tensorflow:loss = 108.09404, step = 99300 (1.470 sec)
INFO:tensorflow:global_step/sec: 70.407
INFO:tensorflow:loss = 126.087, step = 99400 (1.422 sec)
INFO:tensorflow:global_step/sec: 69.7637
INFO:tensorflow:loss = 128.88684, step = 99500 (1.431 sec)
INFO:tensorflow:global_step/sec: 71.4577
INFO:tensorflow:loss = 123.43569, step = 99600 (1.400 sec)
INFO:tensorflow:global_step/sec: 66.5909
INFO:tensorflow:loss = 137.73883, step = 99700 (1.502 sec)
INFO:tensorflow:global_step/sec: 68.8838
INFO:tensorflow:loss = 163.8563, step = 99800 (1.454 sec)
INFO:tensorflow:global_step/sec: 67.1261
INFO:tensorflow:loss = 143.09944, step = 99900 (1.490 sec)
INFO:tensorflow:global_step/sec: 70.0816
INFO:tensorflow:loss = 176.78519, step = 100000 (1.425 sec)
INFO:tensorflow:global_step/sec: 72.2739
INFO:tensorflow:loss = 142.61523, step = 100100 (1.383 sec)
INFO:tensorflow:global_step/sec: 67.1731
INFO:tensorflow:loss = 108.79158, step = 100200 (1.493 sec)
INFO:tensorflow:global_step/sec: 68.9679
INFO:tensorflow:loss = 167.42613, step = 100300 (1.446 sec)
INFO:tensorflow:global_step/sec: 69.0446
INFO:tensorflow:loss = 104.88607, step = 100400 (1.451 sec)
INFO:tensorflow:global_step/sec: 68.4495

INFO:tensorflow:loss = 121.56408, step = 100500 (1.461 sec)
INFO:tensorflow:global_step/sec: 70.8222
INFO:tensorflow:loss = 121.507164, step = 100600 (1.412 sec)
INFO:tensorflow:global_step/sec: 66.8472
INFO:tensorflow:loss = 105.416824, step = 100700 (1.493 sec)
INFO:tensorflow:global_step/sec: 70.0837
INFO:tensorflow:loss = 120.244705, step = 100800 (1.427 sec)
INFO:tensorflow:global_step/sec: 68.1082
INFO:tensorflow:loss = 122.58215, step = 100900 (1.470 sec)
INFO:tensorflow:global_step/sec: 69.4561
INFO:tensorflow:loss = 155.67307, step = 101000 (1.441 sec)
INFO:tensorflow:global_step/sec: 68.9095
INFO:tensorflow:loss = 152.06445, step = 101100 (1.451 sec)
INFO:tensorflow:global_step/sec: 71.0047
INFO:tensorflow:loss = 143.05241, step = 101200 (1.407 sec)
INFO:tensorflow:global_step/sec: 71.4439
INFO:tensorflow:loss = 163.7544, step = 101300 (1.399 sec)
INFO:tensorflow:global_step/sec: 68.5845
INFO:tensorflow:loss = 148.96513, step = 101400 (1.457 sec)
INFO:tensorflow:global_step/sec: 71.1326
INFO:tensorflow:loss = 120.91373, step = 101500 (1.409 sec)
INFO:tensorflow:global_step/sec: 72.8626
INFO:tensorflow:loss = 104.5122, step = 101600 (1.372 sec)
INFO:tensorflow:global_step/sec: 68.8687
INFO:tensorflow:loss = 152.18661, step = 101700 (1.452 sec)
INFO:tensorflow:global_step/sec: 68.2318
INFO:tensorflow:loss = 159.8968, step = 101800 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.4567
INFO:tensorflow:loss = 120.8324, step = 101900 (1.438 sec)
INFO:tensorflow:global_step/sec: 70.4063
INFO:tensorflow:loss = 146.41216, step = 102000 (1.423 sec)
INFO:tensorflow:global_step/sec: 68.2091
INFO:tensorflow:loss = 132.0578, step = 102100 (1.465 sec)
INFO:tensorflow:global_step/sec: 71.4772
INFO:tensorflow:loss = 153.69681, step = 102200 (1.400 sec)
INFO:tensorflow:global_step/sec: 69.8439
INFO:tensorflow:loss = 142.98991, step = 102300 (1.432 sec)
INFO:tensorflow:global_step/sec: 69.98
INFO:tensorflow:loss = 178.03914, step = 102400 (1.429 sec)
INFO:tensorflow:global_step/sec: 71.4958
INFO:tensorflow:loss = 138.11218, step = 102500 (1.397 sec)
INFO:tensorflow:global_step/sec: 70.9546
INFO:tensorflow:loss = 196.0563, step = 102600 (1.407 sec)
INFO:tensorflow:global_step/sec: 71.026
INFO:tensorflow:loss = 155.7972, step = 102700 (1.408 sec)
INFO:tensorflow:global_step/sec: 69.6311
INFO:tensorflow:loss = 130.54016, step = 102800 (1.436 sec)
INFO:tensorflow:global_step/sec: 69.2949

INFO:tensorflow:loss = 152.01094, step = 102900 (1.443 sec)
INFO:tensorflow:global_step/sec: 70.2292
INFO:tensorflow:loss = 158.11867, step = 103000 (1.424 sec)
INFO:tensorflow:global_step/sec: 69.2621
INFO:tensorflow:loss = 112.451096, step = 103100 (1.446 sec)
INFO:tensorflow:global_step/sec: 68.6865
INFO:tensorflow:loss = 116.80547, step = 103200 (1.456 sec)
INFO:tensorflow:global_step/sec: 68.4846
INFO:tensorflow:loss = 167.85867, step = 103300 (1.457 sec)
INFO:tensorflow:global_step/sec: 70.7999
INFO:tensorflow:loss = 160.10938, step = 103400 (1.414 sec)
INFO:tensorflow:global_step/sec: 71.7773
INFO:tensorflow:loss = 126.03676, step = 103500 (1.396 sec)
INFO:tensorflow:global_step/sec: 67.7995
INFO:tensorflow:loss = 160.09901, step = 103600 (1.471 sec)
INFO:tensorflow:global_step/sec: 67.9425
INFO:tensorflow:loss = 115.98758, step = 103700 (1.472 sec)
INFO:tensorflow:global_step/sec: 70.4915
INFO:tensorflow:loss = 137.52469, step = 103800 (1.419 sec)
INFO:tensorflow:global_step/sec: 70.7198
INFO:tensorflow:loss = 120.994354, step = 103900 (1.416 sec)
INFO:tensorflow:global_step/sec: 71.0049
INFO:tensorflow:loss = 148.10506, step = 104000 (1.407 sec)
INFO:tensorflow:global_step/sec: 68.6411
INFO:tensorflow:loss = 114.46669, step = 104100 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.6483
INFO:tensorflow:loss = 141.60928, step = 104200 (1.455 sec)
INFO:tensorflow:global_step/sec: 69.6847
INFO:tensorflow:loss = 162.96956, step = 104300 (1.438 sec)
INFO:tensorflow:global_step/sec: 69.968
INFO:tensorflow:loss = 117.291, step = 104400 (1.427 sec)
INFO:tensorflow:global_step/sec: 67.2973
INFO:tensorflow:loss = 107.26196, step = 104500 (1.488 sec)
INFO:tensorflow:global_step/sec: 69.4795
INFO:tensorflow:loss = 121.061356, step = 104600 (1.438 sec)
INFO:tensorflow:global_step/sec: 66.4512
INFO:tensorflow:loss = 133.10228, step = 104700 (1.504 sec)
INFO:tensorflow:global_step/sec: 70.083
INFO:tensorflow:loss = 148.65385, step = 104800 (1.426 sec)
INFO:tensorflow:global_step/sec: 70.0167
INFO:tensorflow:loss = 109.811516, step = 104900 (1.431 sec)
INFO:tensorflow:global_step/sec: 69.6894
INFO:tensorflow:loss = 113.954895, step = 105000 (1.436 sec)
INFO:tensorflow:global_step/sec: 68.2554
INFO:tensorflow:loss = 163.10277, step = 105100 (1.467 sec)
INFO:tensorflow:global_step/sec: 67.0797
INFO:tensorflow:loss = 144.78423, step = 105200 (1.488 sec)
INFO:tensorflow:global_step/sec: 68.1665

INFO:tensorflow:loss = 155.06471, step = 105300 (1.464 sec)
INFO:tensorflow:global_step/sec: 67.8467
INFO:tensorflow:loss = 129.3689, step = 105400 (1.474 sec)
INFO:tensorflow:global_step/sec: 70.462
INFO:tensorflow:loss = 134.98465, step = 105500 (1.420 sec)
INFO:tensorflow:global_step/sec: 68.6526
INFO:tensorflow:loss = 100.16934, step = 105600 (1.461 sec)
INFO:tensorflow:global_step/sec: 69.4037
INFO:tensorflow:loss = 113.74092, step = 105700 (1.436 sec)
INFO:tensorflow:global_step/sec: 67.6117
INFO:tensorflow:loss = 162.15718, step = 105800 (1.480 sec)
INFO:tensorflow:global_step/sec: 70.6668
INFO:tensorflow:loss = 134.23991, step = 105900 (1.415 sec)
INFO:tensorflow:global_step/sec: 70.3692
INFO:tensorflow:loss = 142.6761, step = 106000 (1.419 sec)
INFO:tensorflow:global_step/sec: 68.6553
INFO:tensorflow:loss = 141.89282, step = 106100 (1.460 sec)
INFO:tensorflow:global_step/sec: 70.017
INFO:tensorflow:loss = 160.86682, step = 106200 (1.427 sec)
INFO:tensorflow:global_step/sec: 68.6212
INFO:tensorflow:loss = 110.076164, step = 106300 (1.456 sec)
INFO:tensorflow:global_step/sec: 69.37
INFO:tensorflow:loss = 120.8606, step = 106400 (1.444 sec)
INFO:tensorflow:global_step/sec: 67.929
INFO:tensorflow:loss = 146.14941, step = 106500 (1.481 sec)
INFO:tensorflow:global_step/sec: 68.3052
INFO:tensorflow:loss = 171.12105, step = 106600 (1.454 sec)
INFO:tensorflow:global_step/sec: 69.4988
INFO:tensorflow:loss = 118.18773, step = 106700 (1.441 sec)
INFO:tensorflow:global_step/sec: 68.5677
INFO:tensorflow:loss = 143.77802, step = 106800 (1.459 sec)
INFO:tensorflow:global_step/sec: 68.778
INFO:tensorflow:loss = 135.60156, step = 106900 (1.451 sec)
INFO:tensorflow:global_step/sec: 67.0968
INFO:tensorflow:loss = 157.72906, step = 107000 (1.491 sec)
INFO:tensorflow:global_step/sec: 69.814
INFO:tensorflow:loss = 119.53185, step = 107100 (1.431 sec)
INFO:tensorflow:global_step/sec: 68.4831
INFO:tensorflow:loss = 166.4418, step = 107200 (1.462 sec)
INFO:tensorflow:global_step/sec: 68.0093
INFO:tensorflow:loss = 157.54062, step = 107300 (1.472 sec)
INFO:tensorflow:global_step/sec: 68.9385
INFO:tensorflow:loss = 149.68192, step = 107400 (1.450 sec)
INFO:tensorflow:global_step/sec: 67.7793
INFO:tensorflow:loss = 130.47481, step = 107500 (1.474 sec)
INFO:tensorflow:global_step/sec: 67.0363
INFO:tensorflow:loss = 138.29779, step = 107600 (1.490 sec)
INFO:tensorflow:global_step/sec: 71.4417

INFO:tensorflow:loss = 123.10127, step = 107700 (1.400 sec)
INFO:tensorflow:global_step/sec: 68.1797
INFO:tensorflow:loss = 161.19101, step = 107800 (1.468 sec)
INFO:tensorflow:global_step/sec: 66.9477
INFO:tensorflow:loss = 128.66837, step = 107900 (1.494 sec)
INFO:tensorflow:global_step/sec: 68.2526
INFO:tensorflow:loss = 146.37575, step = 108000 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.9429
INFO:tensorflow:loss = 153.32948, step = 108100 (1.431 sec)
INFO:tensorflow:global_step/sec: 67.3721
INFO:tensorflow:loss = 120.13768, step = 108200 (1.483 sec)
INFO:tensorflow:global_step/sec: 68.6177
INFO:tensorflow:loss = 129.1616, step = 108300 (1.455 sec)
INFO:tensorflow:global_step/sec: 69.9352
INFO:tensorflow:loss = 115.01464, step = 108400 (1.430 sec)
INFO:tensorflow:global_step/sec: 68.6578
INFO:tensorflow:loss = 167.49846, step = 108500 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.1506
INFO:tensorflow:loss = 130.55327, step = 108600 (1.449 sec)
INFO:tensorflow:global_step/sec: 68.113
INFO:tensorflow:loss = 124.3665, step = 108700 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.7157
INFO:tensorflow:loss = 165.09572, step = 108800 (1.434 sec)
INFO:tensorflow:global_step/sec: 67.0213
INFO:tensorflow:loss = 133.06693, step = 108900 (1.493 sec)
INFO:tensorflow:global_step/sec: 69.3781
INFO:tensorflow:loss = 159.29512, step = 109000 (1.444 sec)
INFO:tensorflow:global_step/sec: 67.8535
INFO:tensorflow:loss = 133.70819, step = 109100 (1.471 sec)
INFO:tensorflow:global_step/sec: 68.5689
INFO:tensorflow:loss = 122.50684, step = 109200 (1.458 sec)
INFO:tensorflow:global_step/sec: 67.6282
INFO:tensorflow:loss = 139.59944, step = 109300 (1.479 sec)
INFO:tensorflow:global_step/sec: 68.9096
INFO:tensorflow:loss = 133.50475, step = 109400 (1.454 sec)
INFO:tensorflow:global_step/sec: 67.7158
INFO:tensorflow:loss = 115.27867, step = 109500 (1.477 sec)
INFO:tensorflow:global_step/sec: 67.416
INFO:tensorflow:loss = 146.6614, step = 109600 (1.484 sec)
INFO:tensorflow:global_step/sec: 67.8355
INFO:tensorflow:loss = 152.72446, step = 109700 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.6649
INFO:tensorflow:loss = 150.36185, step = 109800 (1.455 sec)
INFO:tensorflow:global_step/sec: 68.9336
INFO:tensorflow:loss = 121.14092, step = 109900 (1.452 sec)
INFO:tensorflow:global_step/sec: 66.5726
INFO:tensorflow:loss = 158.48322, step = 110000 (1.500 sec)
INFO:tensorflow:global_step/sec: 66.8603

INFO:tensorflow:loss = 141.90872, step = 110100 (1.496 sec)
INFO:tensorflow:global_step/sec: 66.165
INFO:tensorflow:loss = 145.80399, step = 110200 (1.511 sec)
INFO:tensorflow:global_step/sec: 67.622
INFO:tensorflow:loss = 132.55597, step = 110300 (1.482 sec)
INFO:tensorflow:global_step/sec: 69.2495
INFO:tensorflow:loss = 167.45566, step = 110400 (1.441 sec)
INFO:tensorflow:global_step/sec: 68.8741
INFO:tensorflow:loss = 160.53055, step = 110500 (1.453 sec)
INFO:tensorflow:global_step/sec: 68.3039
INFO:tensorflow:loss = 158.9904, step = 110600 (1.465 sec)
INFO:tensorflow:global_step/sec: 66.6596
INFO:tensorflow:loss = 126.03888, step = 110700 (1.500 sec)
INFO:tensorflow:global_step/sec: 66.9671
INFO:tensorflow:loss = 139.55591, step = 110800 (1.491 sec)
INFO:tensorflow:global_step/sec: 69.6523
INFO:tensorflow:loss = 149.83386, step = 110900 (1.438 sec)
INFO:tensorflow:global_step/sec: 67.64
INFO:tensorflow:loss = 152.38629, step = 111000 (1.476 sec)
INFO:tensorflow:global_step/sec: 70.8303
INFO:tensorflow:loss = 129.92937, step = 111100 (1.414 sec)
INFO:tensorflow:global_step/sec: 67.9306
INFO:tensorflow:loss = 120.69084, step = 111200 (1.473 sec)
INFO:tensorflow:global_step/sec: 69.8846
INFO:tensorflow:loss = 137.19203, step = 111300 (1.430 sec)
INFO:tensorflow:global_step/sec: 67.0923
INFO:tensorflow:loss = 146.21666, step = 111400 (1.492 sec)
INFO:tensorflow:global_step/sec: 68.9946
INFO:tensorflow:loss = 163.26987, step = 111500 (1.449 sec)
INFO:tensorflow:global_step/sec: 69.5542
INFO:tensorflow:loss = 203.41179, step = 111600 (1.436 sec)
INFO:tensorflow:global_step/sec: 67.5186
INFO:tensorflow:loss = 149.65488, step = 111700 (1.480 sec)
INFO:tensorflow:global_step/sec: 70.9957
INFO:tensorflow:loss = 124.76195, step = 111800 (1.411 sec)
INFO:tensorflow:global_step/sec: 68.7581
INFO:tensorflow:loss = 155.26247, step = 111900 (1.454 sec)
INFO:tensorflow:global_step/sec: 69.3387
INFO:tensorflow:loss = 173.76987, step = 112000 (1.440 sec)
INFO:tensorflow:global_step/sec: 70.5701
INFO:tensorflow:loss = 151.38681, step = 112100 (1.420 sec)
INFO:tensorflow:global_step/sec: 70.3645
INFO:tensorflow:loss = 146.07466, step = 112200 (1.422 sec)
INFO:tensorflow:global_step/sec: 68.5394
INFO:tensorflow:loss = 192.79645, step = 112300 (1.455 sec)
INFO:tensorflow:global_step/sec: 70.0071
INFO:tensorflow:loss = 155.4545, step = 112400 (1.429 sec)
INFO:tensorflow:global_step/sec: 68.3485

INFO:tensorflow:loss = 147.96309, step = 112500 (1.466 sec)
INFO:tensorflow:global_step/sec: 67.7868
INFO:tensorflow:loss = 165.78702, step = 112600 (1.473 sec)
INFO:tensorflow:global_step/sec: 70.4226
INFO:tensorflow:loss = 87.767876, step = 112700 (1.421 sec)
INFO:tensorflow:global_step/sec: 70.8282
INFO:tensorflow:loss = 103.857315, step = 112800 (1.410 sec)
INFO:tensorflow:global_step/sec: 69.4567
INFO:tensorflow:loss = 129.94617, step = 112900 (1.439 sec)
INFO:tensorflow:global_step/sec: 69.7903
INFO:tensorflow:loss = 88.10678, step = 113000 (1.436 sec)
INFO:tensorflow:global_step/sec: 68.9277
INFO:tensorflow:loss = 107.051994, step = 113100 (1.448 sec)
INFO:tensorflow:global_step/sec: 71.5866
INFO:tensorflow:loss = 130.75386, step = 113200 (1.397 sec)
INFO:tensorflow:global_step/sec: 70.6644
INFO:tensorflow:loss = 105.47734, step = 113300 (1.419 sec)
INFO:tensorflow:global_step/sec: 70.8533
INFO:tensorflow:loss = 129.07129, step = 113400 (1.414 sec)
INFO:tensorflow:global_step/sec: 69.763
INFO:tensorflow:loss = 139.20602, step = 113500 (1.430 sec)
INFO:tensorflow:global_step/sec: 68.7695
INFO:tensorflow:loss = 126.814224, step = 113600 (1.454 sec)
INFO:tensorflow:global_step/sec: 68.4881
INFO:tensorflow:loss = 156.68478, step = 113700 (1.459 sec)
INFO:tensorflow:global_step/sec: 69.2897
INFO:tensorflow:loss = 130.77696, step = 113800 (1.443 sec)
INFO:tensorflow:global_step/sec: 70.5125
INFO:tensorflow:loss = 149.97565, step = 113900 (1.420 sec)
INFO:tensorflow:global_step/sec: 71.0365
INFO:tensorflow:loss = 173.50705, step = 114000 (1.406 sec)
INFO:tensorflow:global_step/sec: 66.576
INFO:tensorflow:loss = 125.89107, step = 114100 (1.502 sec)
INFO:tensorflow:global_step/sec: 68.8808
INFO:tensorflow:loss = 142.86105, step = 114200 (1.452 sec)
INFO:tensorflow:global_step/sec: 71.37
INFO:tensorflow:loss = 176.16812, step = 114300 (1.401 sec)
INFO:tensorflow:global_step/sec: 69.665
INFO:tensorflow:loss = 156.47366, step = 114400 (1.436 sec)
INFO:tensorflow:global_step/sec: 70.1334
INFO:tensorflow:loss = 107.68063, step = 114500 (1.428 sec)
INFO:tensorflow:global_step/sec: 68.4577
INFO:tensorflow:loss = 103.60813, step = 114600 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.9484
INFO:tensorflow:loss = 104.06151, step = 114700 (1.451 sec)
INFO:tensorflow:global_step/sec: 69.0064
INFO:tensorflow:loss = 130.25537, step = 114800 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.9545

INFO:tensorflow:loss = 100.50471, step = 114900 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.4167
INFO:tensorflow:loss = 136.69946, step = 115000 (1.465 sec)
INFO:tensorflow:global_step/sec: 67.7397
INFO:tensorflow:loss = 89.5609, step = 115100 (1.473 sec)
INFO:tensorflow:global_step/sec: 65.4948
INFO:tensorflow:loss = 159.47, step = 115200 (1.531 sec)
INFO:tensorflow:global_step/sec: 67.579
INFO:tensorflow:loss = 132.38283, step = 115300 (1.480 sec)
INFO:tensorflow:global_step/sec: 66.5581
INFO:tensorflow:loss = 149.45609, step = 115400 (1.501 sec)
INFO:tensorflow:global_step/sec: 66.1715
INFO:tensorflow:loss = 100.120026, step = 115500 (1.512 sec)
INFO:tensorflow:global_step/sec: 71.6598
INFO:tensorflow:loss = 110.01821, step = 115600 (1.393 sec)
INFO:tensorflow:global_step/sec: 69.3545
INFO:tensorflow:loss = 126.90898, step = 115700 (1.441 sec)
INFO:tensorflow:global_step/sec: 66.8435
INFO:tensorflow:loss = 102.512924, step = 115800 (1.499 sec)
INFO:tensorflow:global_step/sec: 69.4489
INFO:tensorflow:loss = 152.40285, step = 115900 (1.440 sec)
INFO:tensorflow:global_step/sec: 67.606
INFO:tensorflow:loss = 151.89212, step = 116000 (1.477 sec)
INFO:tensorflow:global_step/sec: 68.1909
INFO:tensorflow:loss = 113.38199, step = 116100 (1.467 sec)
INFO:tensorflow:global_step/sec: 68.4909
INFO:tensorflow:loss = 131.16338, step = 116200 (1.462 sec)
INFO:tensorflow:global_step/sec: 72.447
INFO:tensorflow:loss = 119.6779, step = 116300 (1.377 sec)
INFO:tensorflow:global_step/sec: 70.6539
INFO:tensorflow:loss = 121.22075, step = 116400 (1.418 sec)
INFO:tensorflow:global_step/sec: 72.1038
INFO:tensorflow:loss = 116.82674, step = 116500 (1.387 sec)
INFO:tensorflow:global_step/sec: 70.9644
INFO:tensorflow:loss = 134.51796, step = 116600 (1.407 sec)
INFO:tensorflow:global_step/sec: 69.5713
INFO:tensorflow:loss = 131.28209, step = 116700 (1.438 sec)
INFO:tensorflow:global_step/sec: 68.4473
INFO:tensorflow:loss = 148.41368, step = 116800 (1.460 sec)
INFO:tensorflow:global_step/sec: 69.4115
INFO:tensorflow:loss = 135.03857, step = 116900 (1.441 sec)
INFO:tensorflow:global_step/sec: 70.8771
INFO:tensorflow:loss = 100.4727, step = 117000 (1.411 sec)
INFO:tensorflow:global_step/sec: 70.7381
INFO:tensorflow:loss = 117.07937, step = 117100 (1.415 sec)
INFO:tensorflow:global_step/sec: 71.4583
INFO:tensorflow:loss = 104.61782, step = 117200 (1.400 sec)
INFO:tensorflow:global_step/sec: 70.5172

INFO:tensorflow:loss = 134.73732, step = 117300 (1.418 sec)
INFO:tensorflow:global_step/sec: 70.0632
INFO:tensorflow:loss = 104.98425, step = 117400 (1.424 sec)
INFO:tensorflow:global_step/sec: 70.5054
INFO:tensorflow:loss = 153.60535, step = 117500 (1.419 sec)
INFO:tensorflow:global_step/sec: 68.5905
INFO:tensorflow:loss = 99.14853, step = 117600 (1.457 sec)
INFO:tensorflow:global_step/sec: 67.6426
INFO:tensorflow:loss = 2179.8186, step = 117700 (1.482 sec)
INFO:tensorflow:global_step/sec: 70.9454
INFO:tensorflow:loss = 113.676956, step = 117800 (1.409 sec)
INFO:tensorflow:global_step/sec: 72.3462
INFO:tensorflow:loss = 142.15027, step = 117900 (1.381 sec)
INFO:tensorflow:global_step/sec: 69.3592
INFO:tensorflow:loss = 169.39368, step = 118000 (1.441 sec)
INFO:tensorflow:global_step/sec: 72.3106
INFO:tensorflow:loss = 144.63538, step = 118100 (1.381 sec)
INFO:tensorflow:global_step/sec: 70.2271
INFO:tensorflow:loss = 101.5334, step = 118200 (1.424 sec)
INFO:tensorflow:global_step/sec: 66.966
INFO:tensorflow:loss = 143.73427, step = 118300 (1.495 sec)
INFO:tensorflow:global_step/sec: 71.7436
INFO:tensorflow:loss = 113.83009, step = 118400 (1.395 sec)
INFO:tensorflow:global_step/sec: 69.7595
INFO:tensorflow:loss = 131.1913, step = 118500 (1.434 sec)
INFO:tensorflow:global_step/sec: 69.574
INFO:tensorflow:loss = 128.2255, step = 118600 (1.437 sec)
INFO:tensorflow:global_step/sec: 68.2628
INFO:tensorflow:loss = 128.06259, step = 118700 (1.462 sec)
INFO:tensorflow:global_step/sec: 70.4169
INFO:tensorflow:loss = 115.234116, step = 118800 (1.423 sec)
INFO:tensorflow:global_step/sec: 69.0163
INFO:tensorflow:loss = 130.47322, step = 118900 (1.449 sec)
INFO:tensorflow:global_step/sec: 71.2146
INFO:tensorflow:loss = 112.573326, step = 119000 (1.402 sec)
INFO:tensorflow:global_step/sec: 68.982
INFO:tensorflow:loss = 111.03545, step = 119100 (1.451 sec)
INFO:tensorflow:global_step/sec: 70.1186
INFO:tensorflow:loss = 116.51108, step = 119200 (1.429 sec)
INFO:tensorflow:global_step/sec: 71.8646
INFO:tensorflow:loss = 110.51309, step = 119300 (1.390 sec)
INFO:tensorflow:global_step/sec: 70.1328
INFO:tensorflow:loss = 135.67442, step = 119400 (1.426 sec)
INFO:tensorflow:global_step/sec: 66.7329
INFO:tensorflow:loss = 141.93639, step = 119500 (1.495 sec)
INFO:tensorflow:global_step/sec: 66.8906
INFO:tensorflow:loss = 136.7484, step = 119600 (1.495 sec)
INFO:tensorflow:global_step/sec: 68.6162

INFO:tensorflow:loss = 153.26059, step = 119700 (1.457 sec)
INFO:tensorflow:global_step/sec: 70.0053
INFO:tensorflow:loss = 157.00223, step = 119800 (1.430 sec)
INFO:tensorflow:global_step/sec: 70.8503
INFO:tensorflow:loss = 136.49945, step = 119900 (1.410 sec)
INFO:tensorflow:global_step/sec: 67.9998
INFO:tensorflow:loss = 126.40796, step = 120000 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.2295
INFO:tensorflow:loss = 142.50414, step = 120100 (1.466 sec)
INFO:tensorflow:global_step/sec: 69.7237
INFO:tensorflow:loss = 153.27069, step = 120200 (1.432 sec)
INFO:tensorflow:global_step/sec: 68.6353
INFO:tensorflow:loss = 123.05088, step = 120300 (1.460 sec)
INFO:tensorflow:global_step/sec: 70.5713
INFO:tensorflow:loss = 131.0551, step = 120400 (1.417 sec)
INFO:tensorflow:global_step/sec: 72.0418
INFO:tensorflow:loss = 119.183464, step = 120500 (1.388 sec)
INFO:tensorflow:global_step/sec: 68.9848
INFO:tensorflow:loss = 101.96477, step = 120600 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.6439
INFO:tensorflow:loss = 132.44806, step = 120700 (1.456 sec)
INFO:tensorflow:global_step/sec: 70.5963
INFO:tensorflow:loss = 143.04889, step = 120800 (1.414 sec)
INFO:tensorflow:global_step/sec: 69.8815
INFO:tensorflow:loss = 134.13983, step = 120900 (1.432 sec)
INFO:tensorflow:global_step/sec: 68.9889
INFO:tensorflow:loss = 119.765175, step = 121000 (1.450 sec)
INFO:tensorflow:global_step/sec: 69.0207
INFO:tensorflow:loss = 104.7749, step = 121100 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.0955
INFO:tensorflow:loss = 112.426735, step = 121200 (1.468 sec)
INFO:tensorflow:global_step/sec: 69.6477
INFO:tensorflow:loss = 141.60182, step = 121300 (1.437 sec)
INFO:tensorflow:global_step/sec: 69.0517
INFO:tensorflow:loss = 132.08182, step = 121400 (1.449 sec)
INFO:tensorflow:global_step/sec: 72.0141
INFO:tensorflow:loss = 121.66282, step = 121500 (1.387 sec)
INFO:tensorflow:global_step/sec: 67.0222
INFO:tensorflow:loss = 134.2276, step = 121600 (1.492 sec)
INFO:tensorflow:global_step/sec: 70.7353
INFO:tensorflow:loss = 129.72884, step = 121700 (1.414 sec)
INFO:tensorflow:global_step/sec: 69.7142
INFO:tensorflow:loss = 132.32239, step = 121800 (1.434 sec)
INFO:tensorflow:global_step/sec: 68.5614
INFO:tensorflow:loss = 180.36722, step = 121900 (1.461 sec)
INFO:tensorflow:global_step/sec: 68.6638
INFO:tensorflow:loss = 128.49818, step = 122000 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.1243

INFO:tensorflow:loss = 141.81456, step = 122100 (1.446 sec)
INFO:tensorflow:global_step/sec: 67.9294
INFO:tensorflow:loss = 137.84363, step = 122200 (1.472 sec)
INFO:tensorflow:global_step/sec: 68.9265
INFO:tensorflow:loss = 151.0813, step = 122300 (1.448 sec)
INFO:tensorflow:global_step/sec: 69.5735
INFO:tensorflow:loss = 135.54114, step = 122400 (1.438 sec)
INFO:tensorflow:global_step/sec: 70.3326
INFO:tensorflow:loss = 119.53667, step = 122500 (1.422 sec)
INFO:tensorflow:global_step/sec: 70.7002
INFO:tensorflow:loss = 118.90013, step = 122600 (1.414 sec)
INFO:tensorflow:global_step/sec: 68.7
INFO:tensorflow:loss = 114.2025, step = 122700 (1.455 sec)
INFO:tensorflow:global_step/sec: 70.3285
INFO:tensorflow:loss = 159.61798, step = 122800 (1.423 sec)
INFO:tensorflow:Saving checkpoints for 122823 into /tmp/tmp95_bbwn2/model.ckpt.
INFO:tensorflow:global_step/sec: 46.3351
INFO:tensorflow:loss = 125.71744, step = 122900 (2.160 sec)
INFO:tensorflow:global_step/sec: 68.3148
INFO:tensorflow:loss = 111.81962, step = 123000 (1.464 sec)
INFO:tensorflow:global_step/sec: 67.6579
INFO:tensorflow:loss = 119.39837, step = 123100 (1.478 sec)
INFO:tensorflow:global_step/sec: 64.4923
INFO:tensorflow:loss = 100.47169, step = 123200 (1.551 sec)
INFO:tensorflow:global_step/sec: 69.8591
INFO:tensorflow:loss = 134.04474, step = 123300 (1.431 sec)
INFO:tensorflow:global_step/sec: 69.3441
INFO:tensorflow:loss = 130.7125, step = 123400 (1.444 sec)
INFO:tensorflow:global_step/sec: 67.8829
INFO:tensorflow:loss = 155.89636, step = 123500 (1.473 sec)
INFO:tensorflow:global_step/sec: 71.962
INFO:tensorflow:loss = 148.94714, step = 123600 (1.387 sec)
INFO:tensorflow:global_step/sec: 70.3744
INFO:tensorflow:loss = 182.65082, step = 123700 (1.421 sec)
INFO:tensorflow:global_step/sec: 69.7187
INFO:tensorflow:loss = 170.36812, step = 123800 (1.436 sec)
INFO:tensorflow:global_step/sec: 70.8583
INFO:tensorflow:loss = 165.1167, step = 123900 (1.409 sec)
INFO:tensorflow:global_step/sec: 68.3199
INFO:tensorflow:loss = 123.45964, step = 124000 (1.466 sec)
INFO:tensorflow:global_step/sec: 70.7815
INFO:tensorflow:loss = 210.95502, step = 124100 (1.411 sec)
INFO:tensorflow:global_step/sec: 68.4499
INFO:tensorflow:loss = 142.79121, step = 124200 (1.460 sec)
INFO:tensorflow:global_step/sec: 70.1958
INFO:tensorflow:loss = 137.26031, step = 124300 (1.425 sec)
INFO:tensorflow:global_step/sec: 71.4831
INFO:tensorflow:loss = 130.68146, step = 124400 (1.403 sec)

INFO:tensorflow:global_step/sec: 68.4162
INFO:tensorflow:loss = 134.49239, step = 124500 (1.461 sec)
INFO:tensorflow:global_step/sec: 67.5571
INFO:tensorflow:loss = 111.016716, step = 124600 (1.479 sec)
INFO:tensorflow:global_step/sec: 66.5818
INFO:tensorflow:loss = 123.53051, step = 124700 (1.503 sec)
INFO:tensorflow:global_step/sec: 69.9412
INFO:tensorflow:loss = 121.4959, step = 124800 (1.427 sec)
INFO:tensorflow:global_step/sec: 71.2315
INFO:tensorflow:loss = 126.78464, step = 124900 (1.407 sec)
INFO:tensorflow:global_step/sec: 70.9817
INFO:tensorflow:loss = 141.96448, step = 125000 (1.408 sec)
INFO:tensorflow:global_step/sec: 70.4998
INFO:tensorflow:loss = 128.25618, step = 125100 (1.416 sec)
INFO:tensorflow:global_step/sec: 67.8937
INFO:tensorflow:loss = 131.60608, step = 125200 (1.476 sec)
INFO:tensorflow:global_step/sec: 68.9726
INFO:tensorflow:loss = 128.97804, step = 125300 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.7963
INFO:tensorflow:loss = 130.9165, step = 125400 (1.454 sec)
INFO:tensorflow:global_step/sec: 68.1907
INFO:tensorflow:loss = 98.43115, step = 125500 (1.464 sec)
INFO:tensorflow:global_step/sec: 69.0935
INFO:tensorflow:loss = 133.30495, step = 125600 (1.451 sec)
INFO:tensorflow:global_step/sec: 70.3271
INFO:tensorflow:loss = 135.6144, step = 125700 (1.424 sec)
INFO:tensorflow:global_step/sec: 67.5222
INFO:tensorflow:loss = 107.71213, step = 125800 (1.475 sec)
INFO:tensorflow:global_step/sec: 70.9638
INFO:tensorflow:loss = 122.5569, step = 125900 (1.412 sec)
INFO:tensorflow:global_step/sec: 71.124
INFO:tensorflow:loss = 136.61032, step = 126000 (1.405 sec)
INFO:tensorflow:global_step/sec: 70.097
INFO:tensorflow:loss = 138.184, step = 126100 (1.426 sec)
INFO:tensorflow:global_step/sec: 68.1447
INFO:tensorflow:loss = 162.35054, step = 126200 (1.466 sec)
INFO:tensorflow:global_step/sec: 70.2282
INFO:tensorflow:loss = 123.93876, step = 126300 (1.424 sec)
INFO:tensorflow:global_step/sec: 69.0087
INFO:tensorflow:loss = 130.6231, step = 126400 (1.452 sec)
INFO:tensorflow:global_step/sec: 70.0343
INFO:tensorflow:loss = 171.49057, step = 126500 (1.425 sec)
INFO:tensorflow:global_step/sec: 70.1441
INFO:tensorflow:loss = 168.40868, step = 126600 (1.425 sec)
INFO:tensorflow:global_step/sec: 68.6405
INFO:tensorflow:loss = 152.0715, step = 126700 (1.460 sec)
INFO:tensorflow:global_step/sec: 66.7229
INFO:tensorflow:loss = 143.68143, step = 126800 (1.496 sec)

INFO:tensorflow:global_step/sec: 67.8947
INFO:tensorflow:loss = 120.029495, step = 126900 (1.476 sec)
INFO:tensorflow:global_step/sec: 65.858
INFO:tensorflow:loss = 130.98112, step = 127000 (1.519 sec)
INFO:tensorflow:global_step/sec: 69.0678
INFO:tensorflow:loss = 115.53606, step = 127100 (1.448 sec)
INFO:tensorflow:global_step/sec: 69.6969
INFO:tensorflow:loss = 108.78262, step = 127200 (1.437 sec)
INFO:tensorflow:global_step/sec: 67.6384
INFO:tensorflow:loss = 109.14221, step = 127300 (1.475 sec)
INFO:tensorflow:global_step/sec: 68.2593
INFO:tensorflow:loss = 139.371, step = 127400 (1.462 sec)
INFO:tensorflow:global_step/sec: 68.5618
INFO:tensorflow:loss = 108.054184, step = 127500 (1.461 sec)
INFO:tensorflow:global_step/sec: 66.8943
INFO:tensorflow:loss = 153.40427, step = 127600 (1.492 sec)
INFO:tensorflow:global_step/sec: 70.1349
INFO:tensorflow:loss = 126.169815, step = 127700 (1.426 sec)
INFO:tensorflow:global_step/sec: 70.3778
INFO:tensorflow:loss = 104.975845, step = 127800 (1.422 sec)
INFO:tensorflow:global_step/sec: 69.6944
INFO:tensorflow:loss = 118.72165, step = 127900 (1.436 sec)
INFO:tensorflow:global_step/sec: 71.7839
INFO:tensorflow:loss = 104.15231, step = 128000 (1.391 sec)
INFO:tensorflow:global_step/sec: 69.9439
INFO:tensorflow:loss = 158.38876, step = 128100 (1.430 sec)
INFO:tensorflow:global_step/sec: 68.6492
INFO:tensorflow:loss = 140.95485, step = 128200 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.8636
INFO:tensorflow:loss = 111.182045, step = 128300 (1.453 sec)
INFO:tensorflow:global_step/sec: 69.8942
INFO:tensorflow:loss = 144.38408, step = 128400 (1.429 sec)
INFO:tensorflow:global_step/sec: 71.0839
INFO:tensorflow:loss = 117.70627, step = 128500 (1.409 sec)
INFO:tensorflow:global_step/sec: 69.87
INFO:tensorflow:loss = 148.89081, step = 128600 (1.429 sec)
INFO:tensorflow:global_step/sec: 71.1176
INFO:tensorflow:loss = 122.759705, step = 128700 (1.406 sec)
INFO:tensorflow:global_step/sec: 67.7356
INFO:tensorflow:loss = 128.32372, step = 128800 (1.476 sec)
INFO:tensorflow:global_step/sec: 67.5175
INFO:tensorflow:loss = 102.24729, step = 128900 (1.483 sec)
INFO:tensorflow:global_step/sec: 69.3297
INFO:tensorflow:loss = 164.15091, step = 129000 (1.443 sec)
INFO:tensorflow:global_step/sec: 69.7133
INFO:tensorflow:loss = 133.87701, step = 129100 (1.436 sec)
INFO:tensorflow:global_step/sec: 67.8639
INFO:tensorflow:loss = 114.85878, step = 129200 (1.468 sec)

INFO:tensorflow:global_step/sec: 69.9722
INFO:tensorflow:loss = 125.15957, step = 129300 (1.433 sec)
INFO:tensorflow:global_step/sec: 71.8264
INFO:tensorflow:loss = 108.608505, step = 129400 (1.392 sec)
INFO:tensorflow:global_step/sec: 70.0147
INFO:tensorflow:loss = 137.78484, step = 129500 (1.428 sec)
INFO:tensorflow:global_step/sec: 70.1145
INFO:tensorflow:loss = 157.63034, step = 129600 (1.426 sec)
INFO:tensorflow:global_step/sec: 70.1159
INFO:tensorflow:loss = 131.77579, step = 129700 (1.425 sec)
INFO:tensorflow:global_step/sec: 68.5456
INFO:tensorflow:loss = 108.83029, step = 129800 (1.458 sec)
INFO:tensorflow:global_step/sec: 68.8801
INFO:tensorflow:loss = 125.07183, step = 129900 (1.455 sec)
INFO:tensorflow:global_step/sec: 68.933
INFO:tensorflow:loss = 147.34538, step = 130000 (1.448 sec)
INFO:tensorflow:global_step/sec: 69.3734
INFO:tensorflow:loss = 105.98152, step = 130100 (1.441 sec)
INFO:tensorflow:global_step/sec: 70.2618
INFO:tensorflow:loss = 140.14825, step = 130200 (1.424 sec)
INFO:tensorflow:global_step/sec: 69.3431
INFO:tensorflow:loss = 172.12463, step = 130300 (1.441 sec)
INFO:tensorflow:global_step/sec: 67.0948
INFO:tensorflow:loss = 78.06122, step = 130400 (1.491 sec)
INFO:tensorflow:global_step/sec: 70.3748
INFO:tensorflow:loss = 116.27721, step = 130500 (1.421 sec)
INFO:tensorflow:global_step/sec: 70.3531
INFO:tensorflow:loss = 111.601456, step = 130600 (1.423 sec)
INFO:tensorflow:global_step/sec: 68.685
INFO:tensorflow:loss = 117.14219, step = 130700 (1.454 sec)
INFO:tensorflow:global_step/sec: 69.8908
INFO:tensorflow:loss = 132.12971, step = 130800 (1.431 sec)
INFO:tensorflow:global_step/sec: 70.8731
INFO:tensorflow:loss = 139.26726, step = 130900 (1.411 sec)
INFO:tensorflow:global_step/sec: 67.6239
INFO:tensorflow:loss = 171.17024, step = 131000 (1.478 sec)
INFO:tensorflow:global_step/sec: 71.7217
INFO:tensorflow:loss = 160.20502, step = 131100 (1.395 sec)
INFO:tensorflow:global_step/sec: 71.5286
INFO:tensorflow:loss = 129.14267, step = 131200 (1.398 sec)
INFO:tensorflow:global_step/sec: 68.3863
INFO:tensorflow:loss = 150.83713, step = 131300 (1.465 sec)
INFO:tensorflow:global_step/sec: 67.1536
INFO:tensorflow:loss = 110.66347, step = 131400 (1.487 sec)
INFO:tensorflow:global_step/sec: 67.8396
INFO:tensorflow:loss = 142.70267, step = 131500 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.2867
INFO:tensorflow:loss = 132.2059, step = 131600 (1.465 sec)

INFO:tensorflow:global_step/sec: 71.5244
INFO:tensorflow:loss = 134.66342, step = 131700 (1.398 sec)
INFO:tensorflow:global_step/sec: 69.4279
INFO:tensorflow:loss = 185.06522, step = 131800 (1.440 sec)
INFO:tensorflow:global_step/sec: 71.9879
INFO:tensorflow:loss = 121.48704, step = 131900 (1.392 sec)
INFO:tensorflow:global_step/sec: 70.5887
INFO:tensorflow:loss = 131.88211, step = 132000 (1.417 sec)
INFO:tensorflow:global_step/sec: 72.3741
INFO:tensorflow:loss = 140.61864, step = 132100 (1.380 sec)
INFO:tensorflow:global_step/sec: 70.3354
INFO:tensorflow:loss = 144.02997, step = 132200 (1.421 sec)
INFO:tensorflow:global_step/sec: 71.6859
INFO:tensorflow:loss = 138.15504, step = 132300 (1.395 sec)
INFO:tensorflow:global_step/sec: 68.9734
INFO:tensorflow:loss = 128.62119, step = 132400 (1.448 sec)
INFO:tensorflow:global_step/sec: 68.0251
INFO:tensorflow:loss = 102.841194, step = 132500 (1.473 sec)
INFO:tensorflow:global_step/sec: 66.429
INFO:tensorflow:loss = 141.82272, step = 132600 (1.502 sec)
INFO:tensorflow:global_step/sec: 70.1447
INFO:tensorflow:loss = 130.06935, step = 132700 (1.426 sec)
INFO:tensorflow:global_step/sec: 68.5842
INFO:tensorflow:loss = 160.81033, step = 132800 (1.458 sec)
INFO:tensorflow:global_step/sec: 70.2081
INFO:tensorflow:loss = 120.055435, step = 132900 (1.425 sec)
INFO:tensorflow:global_step/sec: 70.7058
INFO:tensorflow:loss = 111.3589, step = 133000 (1.415 sec)
INFO:tensorflow:global_step/sec: 68.9702
INFO:tensorflow:loss = 100.647644, step = 133100 (1.451 sec)
INFO:tensorflow:global_step/sec: 68.8255
INFO:tensorflow:loss = 159.71669, step = 133200 (1.451 sec)
INFO:tensorflow:global_step/sec: 68.7651
INFO:tensorflow:loss = 138.98518, step = 133300 (1.453 sec)
INFO:tensorflow:global_step/sec: 69.4422
INFO:tensorflow:loss = 110.880844, step = 133400 (1.440 sec)
INFO:tensorflow:global_step/sec: 66.2089
INFO:tensorflow:loss = 159.84569, step = 133500 (1.515 sec)
INFO:tensorflow:global_step/sec: 68.906
INFO:tensorflow:loss = 132.60619, step = 133600 (1.450 sec)
INFO:tensorflow:global_step/sec: 59.7021
INFO:tensorflow:loss = 128.3331, step = 133700 (1.672 sec)
INFO:tensorflow:global_step/sec: 67.5909
INFO:tensorflow:loss = 191.03658, step = 133800 (1.480 sec)
INFO:tensorflow:global_step/sec: 64.2067
INFO:tensorflow:loss = 132.63318, step = 133900 (1.559 sec)
INFO:tensorflow:global_step/sec: 65.2118
INFO:tensorflow:loss = 115.60241, step = 134000 (1.531 sec)

INFO:tensorflow:global_step/sec: 64.2869
INFO:tensorflow:loss = 124.9732, step = 134100 (1.558 sec)
INFO:tensorflow:global_step/sec: 64.357
INFO:tensorflow:loss = 143.81354, step = 134200 (1.552 sec)
INFO:tensorflow:global_step/sec: 64.6309
INFO:tensorflow:loss = 163.70319, step = 134300 (1.547 sec)
INFO:tensorflow:global_step/sec: 72.4077
INFO:tensorflow:loss = 138.5826, step = 134400 (1.381 sec)
INFO:tensorflow:global_step/sec: 68.5368
INFO:tensorflow:loss = 163.40727, step = 134500 (1.459 sec)
INFO:tensorflow:global_step/sec: 68.1845
INFO:tensorflow:loss = 119.0215, step = 134600 (1.470 sec)
INFO:tensorflow:global_step/sec: 68.7265
INFO:tensorflow:loss = 180.68845, step = 134700 (1.454 sec)
INFO:tensorflow:global_step/sec: 62.8661
INFO:tensorflow:loss = 134.156, step = 134800 (1.590 sec)
INFO:tensorflow:global_step/sec: 66.0952
INFO:tensorflow:loss = 132.50758, step = 134900 (1.514 sec)
INFO:tensorflow:global_step/sec: 68.3367
INFO:tensorflow:loss = 147.67949, step = 135000 (1.463 sec)
INFO:tensorflow:global_step/sec: 64.5787
INFO:tensorflow:loss = 109.359665, step = 135100 (1.550 sec)
INFO:tensorflow:global_step/sec: 64.6783
INFO:tensorflow:loss = 112.78119, step = 135200 (1.546 sec)
INFO:tensorflow:global_step/sec: 64.8237
INFO:tensorflow:loss = 122.01864, step = 135300 (1.542 sec)
INFO:tensorflow:global_step/sec: 66.5988
INFO:tensorflow:loss = 150.2458, step = 135400 (1.502 sec)
INFO:tensorflow:global_step/sec: 64.4617
INFO:tensorflow:loss = 144.00652, step = 135500 (1.548 sec)
INFO:tensorflow:global_step/sec: 63.6003
INFO:tensorflow:loss = 92.96183, step = 135600 (1.575 sec)
INFO:tensorflow:global_step/sec: 64.6478
INFO:tensorflow:loss = 171.98276, step = 135700 (1.547 sec)
INFO:tensorflow:global_step/sec: 63.9925
INFO:tensorflow:loss = 146.35474, step = 135800 (1.563 sec)
INFO:tensorflow:global_step/sec: 63.025
INFO:tensorflow:loss = 111.238205, step = 135900 (1.584 sec)
INFO:tensorflow:global_step/sec: 63.5751
INFO:tensorflow:loss = 149.57793, step = 136000 (1.573 sec)
INFO:tensorflow:global_step/sec: 64.7023
INFO:tensorflow:loss = 154.22644, step = 136100 (1.545 sec)
INFO:tensorflow:global_step/sec: 64.9548
INFO:tensorflow:loss = 152.78934, step = 136200 (1.540 sec)
INFO:tensorflow:global_step/sec: 64.3426
INFO:tensorflow:loss = 132.84813, step = 136300 (1.555 sec)
INFO:tensorflow:global_step/sec: 62.8993
INFO:tensorflow:loss = 209.38275, step = 136400 (1.593 sec)

INFO:tensorflow:global_step/sec: 64.6849
INFO:tensorflow:loss = 116.947876, step = 136500 (1.546 sec)
INFO:tensorflow:global_step/sec: 62.1853
INFO:tensorflow:loss = 142.49179, step = 136600 (1.607 sec)
INFO:tensorflow:global_step/sec: 63.8165
INFO:tensorflow:loss = 141.61197, step = 136700 (1.568 sec)
INFO:tensorflow:global_step/sec: 67.3334
INFO:tensorflow:loss = 143.2272, step = 136800 (1.484 sec)
INFO:tensorflow:global_step/sec: 67.3042
INFO:tensorflow:loss = 124.85228, step = 136900 (1.487 sec)
INFO:tensorflow:global_step/sec: 65.364
INFO:tensorflow:loss = 118.93186, step = 137000 (1.530 sec)
INFO:tensorflow:global_step/sec: 67.5207
INFO:tensorflow:loss = 118.032684, step = 137100 (1.478 sec)
INFO:tensorflow:global_step/sec: 68.2646
INFO:tensorflow:loss = 136.4735, step = 137200 (1.468 sec)
INFO:tensorflow:global_step/sec: 67.3183
INFO:tensorflow:loss = 115.50587, step = 137300 (1.482 sec)
INFO:tensorflow:global_step/sec: 66.3989
INFO:tensorflow:loss = 124.44242, step = 137400 (1.509 sec)
INFO:tensorflow:global_step/sec: 67.5269
INFO:tensorflow:loss = 138.63136, step = 137500 (1.481 sec)
INFO:tensorflow:global_step/sec: 68.3177
INFO:tensorflow:loss = 156.84364, step = 137600 (1.463 sec)
INFO:tensorflow:global_step/sec: 66.668
INFO:tensorflow:loss = 134.92285, step = 137700 (1.500 sec)
INFO:tensorflow:global_step/sec: 66.452
INFO:tensorflow:loss = 124.48929, step = 137800 (1.502 sec)
INFO:tensorflow:global_step/sec: 66.6298
INFO:tensorflow:loss = 162.52504, step = 137900 (1.505 sec)
INFO:tensorflow:global_step/sec: 66.2177
INFO:tensorflow:loss = 161.17206, step = 138000 (1.507 sec)
INFO:tensorflow:global_step/sec: 68.4697
INFO:tensorflow:loss = 128.02908, step = 138100 (1.460 sec)
INFO:tensorflow:global_step/sec: 65.9499
INFO:tensorflow:loss = 176.01631, step = 138200 (1.523 sec)
INFO:tensorflow:global_step/sec: 68.2988
INFO:tensorflow:loss = 138.59654, step = 138300 (1.461 sec)
INFO:tensorflow:global_step/sec: 69.6697
INFO:tensorflow:loss = 153.62424, step = 138400 (1.436 sec)
INFO:tensorflow:global_step/sec: 69.2442
INFO:tensorflow:loss = 139.54967, step = 138500 (1.442 sec)
INFO:tensorflow:global_step/sec: 66.3039
INFO:tensorflow:loss = 136.67062, step = 138600 (1.507 sec)
INFO:tensorflow:global_step/sec: 65.6135
INFO:tensorflow:loss = 138.90024, step = 138700 (1.525 sec)
INFO:tensorflow:global_step/sec: 68.3138
INFO:tensorflow:loss = 125.495125, step = 138800 (1.463 sec)

INFO:tensorflow:global_step/sec: 67.5214
INFO:tensorflow:loss = 179.96277, step = 138900 (1.484 sec)
INFO:tensorflow:global_step/sec: 69.2114
INFO:tensorflow:loss = 212.94699, step = 139000 (1.444 sec)
INFO:tensorflow:global_step/sec: 68.6788
INFO:tensorflow:loss = 111.82227, step = 139100 (1.454 sec)
INFO:tensorflow:global_step/sec: 70.3297
INFO:tensorflow:loss = 134.35426, step = 139200 (1.421 sec)
INFO:tensorflow:global_step/sec: 68.7343
INFO:tensorflow:loss = 112.37004, step = 139300 (1.455 sec)
INFO:tensorflow:global_step/sec: 69.0903
INFO:tensorflow:loss = 156.89154, step = 139400 (1.447 sec)
INFO:tensorflow:global_step/sec: 67.9131
INFO:tensorflow:loss = 138.1659, step = 139500 (1.473 sec)
INFO:tensorflow:global_step/sec: 67.837
INFO:tensorflow:loss = 113.317, step = 139600 (1.477 sec)
INFO:tensorflow:global_step/sec: 68.9199
INFO:tensorflow:loss = 151.5387, step = 139700 (1.448 sec)
INFO:tensorflow:global_step/sec: 70.408
INFO:tensorflow:loss = 169.46573, step = 139800 (1.424 sec)
INFO:tensorflow:global_step/sec: 66.8022
INFO:tensorflow:loss = 123.81597, step = 139900 (1.493 sec)
INFO:tensorflow:global_step/sec: 70.5027
INFO:tensorflow:loss = 165.30597, step = 140000 (1.421 sec)
INFO:tensorflow:global_step/sec: 66.5912
INFO:tensorflow:loss = 132.70354, step = 140100 (1.502 sec)
INFO:tensorflow:global_step/sec: 66.787
INFO:tensorflow:loss = 127.000656, step = 140200 (1.497 sec)
INFO:tensorflow:global_step/sec: 66.7481
INFO:tensorflow:loss = 114.26019, step = 140300 (1.496 sec)
INFO:tensorflow:global_step/sec: 70.1848
INFO:tensorflow:loss = 109.978, step = 140400 (1.425 sec)
INFO:tensorflow:global_step/sec: 66.5807
INFO:tensorflow:loss = 100.928925, step = 140500 (1.502 sec)
INFO:tensorflow:global_step/sec: 67.9976
INFO:tensorflow:loss = 123.88483, step = 140600 (1.472 sec)
INFO:tensorflow:global_step/sec: 68.4502
INFO:tensorflow:loss = 144.6746, step = 140700 (1.461 sec)
INFO:tensorflow:global_step/sec: 64.4273
INFO:tensorflow:loss = 145.09819, step = 140800 (1.554 sec)
INFO:tensorflow:global_step/sec: 70.5905
INFO:tensorflow:loss = 143.10579, step = 140900 (1.416 sec)
INFO:tensorflow:global_step/sec: 69.0028
INFO:tensorflow:loss = 141.98373, step = 141000 (1.448 sec)
INFO:tensorflow:global_step/sec: 67.0141
INFO:tensorflow:loss = 161.75983, step = 141100 (1.491 sec)
INFO:tensorflow:global_step/sec: 68.1491
INFO:tensorflow:loss = 150.98038, step = 141200 (1.467 sec)

INFO:tensorflow:global_step/sec: 70.0783
INFO:tensorflow:loss = 130.22357, step = 141300 (1.428 sec)
INFO:tensorflow:global_step/sec: 66.9926
INFO:tensorflow:loss = 124.57834, step = 141400 (1.493 sec)
INFO:tensorflow:global_step/sec: 68.7431
INFO:tensorflow:loss = 141.41052, step = 141500 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.7432
INFO:tensorflow:loss = 120.053055, step = 141600 (1.432 sec)
INFO:tensorflow:global_step/sec: 70.5406
INFO:tensorflow:loss = 124.9577, step = 141700 (1.416 sec)
INFO:tensorflow:global_step/sec: 67.3633
INFO:tensorflow:loss = 138.55634, step = 141800 (1.485 sec)
INFO:tensorflow:global_step/sec: 66.1133
INFO:tensorflow:loss = 193.26685, step = 141900 (1.515 sec)
INFO:tensorflow:global_step/sec: 70.8019
INFO:tensorflow:loss = 105.98932, step = 142000 (1.412 sec)
INFO:tensorflow:global_step/sec: 68.1722
INFO:tensorflow:loss = 182.90665, step = 142100 (1.465 sec)
INFO:tensorflow:global_step/sec: 69.4487
INFO:tensorflow:loss = 166.82248, step = 142200 (1.440 sec)
INFO:tensorflow:global_step/sec: 71.8268
INFO:tensorflow:loss = 121.48126, step = 142300 (1.392 sec)
INFO:tensorflow:global_step/sec: 68.6224
INFO:tensorflow:loss = 131.93326, step = 142400 (1.457 sec)
INFO:tensorflow:global_step/sec: 69.1887
INFO:tensorflow:loss = 127.65776, step = 142500 (1.446 sec)
INFO:tensorflow:global_step/sec: 70.5903
INFO:tensorflow:loss = 101.61301, step = 142600 (1.419 sec)
INFO:tensorflow:global_step/sec: 67.7335
INFO:tensorflow:loss = 118.59036, step = 142700 (1.475 sec)
INFO:tensorflow:global_step/sec: 69.9277
INFO:tensorflow:loss = 154.18199, step = 142800 (1.431 sec)
INFO:tensorflow:global_step/sec: 65.6298
INFO:tensorflow:loss = 102.70006, step = 142900 (1.523 sec)
INFO:tensorflow:global_step/sec: 68.7943
INFO:tensorflow:loss = 121.256676, step = 143000 (1.454 sec)
INFO:tensorflow:global_step/sec: 65.9877
INFO:tensorflow:loss = 119.62238, step = 143100 (1.515 sec)
INFO:tensorflow:global_step/sec: 66.7161
INFO:tensorflow:loss = 141.22433, step = 143200 (1.499 sec)
INFO:tensorflow:global_step/sec: 69.1142
INFO:tensorflow:loss = 118.99605, step = 143300 (1.448 sec)
INFO:tensorflow:global_step/sec: 69.4745
INFO:tensorflow:loss = 140.26154, step = 143400 (1.439 sec)
INFO:tensorflow:global_step/sec: 67.311
INFO:tensorflow:loss = 130.88205, step = 143500 (1.484 sec)
INFO:tensorflow:global_step/sec: 68.2
INFO:tensorflow:loss = 110.8127, step = 143600 (1.468 sec)

INFO:tensorflow:global_step/sec: 67.4171
INFO:tensorflow:loss = 154.042, step = 143700 (1.485 sec)
INFO:tensorflow:global_step/sec: 66.8928
INFO:tensorflow:loss = 125.64804, step = 143800 (1.492 sec)
INFO:tensorflow:global_step/sec: 68.7386
INFO:tensorflow:loss = 98.07883, step = 143900 (1.455 sec)
INFO:tensorflow:global_step/sec: 67.3082
INFO:tensorflow:loss = 91.95619, step = 144000 (1.486 sec)
INFO:tensorflow:global_step/sec: 68.8895
INFO:tensorflow:loss = 147.69803, step = 144100 (1.450 sec)
INFO:tensorflow:global_step/sec: 68.8812
INFO:tensorflow:loss = 132.48373, step = 144200 (1.451 sec)
INFO:tensorflow:global_step/sec: 70.9395
INFO:tensorflow:loss = 103.07844, step = 144300 (1.412 sec)
INFO:tensorflow:global_step/sec: 69.1836
INFO:tensorflow:loss = 119.53391, step = 144400 (1.444 sec)
INFO:tensorflow:global_step/sec: 68.6614
INFO:tensorflow:loss = 136.61102, step = 144500 (1.457 sec)
INFO:tensorflow:global_step/sec: 67.4955
INFO:tensorflow:loss = 116.53153, step = 144600 (1.485 sec)
INFO:tensorflow:global_step/sec: 68.6285
INFO:tensorflow:loss = 126.06143, step = 144700 (1.456 sec)
INFO:tensorflow:global_step/sec: 68.8147
INFO:tensorflow:loss = 123.56856, step = 144800 (1.454 sec)
INFO:tensorflow:global_step/sec: 67.4578
INFO:tensorflow:loss = 101.76018, step = 144900 (1.483 sec)
INFO:tensorflow:global_step/sec: 69.0485
INFO:tensorflow:loss = 144.15944, step = 145000 (1.448 sec)
INFO:tensorflow:global_step/sec: 70.3665
INFO:tensorflow:loss = 133.35544, step = 145100 (1.418 sec)
INFO:tensorflow:global_step/sec: 68.9974
INFO:tensorflow:loss = 128.49028, step = 145200 (1.451 sec)
INFO:tensorflow:global_step/sec: 69.0968
INFO:tensorflow:loss = 100.647575, step = 145300 (1.446 sec)
INFO:tensorflow:global_step/sec: 67.9972
INFO:tensorflow:loss = 133.75645, step = 145400 (1.473 sec)
INFO:tensorflow:global_step/sec: 68.058
INFO:tensorflow:loss = 166.08995, step = 145500 (1.467 sec)
INFO:tensorflow:global_step/sec: 69.4651
INFO:tensorflow:loss = 108.63552, step = 145600 (1.441 sec)
INFO:tensorflow:global_step/sec: 68.3073
INFO:tensorflow:loss = 95.27878, step = 145700 (1.462 sec)
INFO:tensorflow:global_step/sec: 71.1759
INFO:tensorflow:loss = 127.10179, step = 145800 (1.405 sec)
INFO:tensorflow:global_step/sec: 68.6414
INFO:tensorflow:loss = 132.09055, step = 145900 (1.460 sec)
INFO:tensorflow:global_step/sec: 68.2485
INFO:tensorflow:loss = 151.27853, step = 146000 (1.464 sec)

INFO:tensorflow:global_step/sec: 66.665
INFO:tensorflow:loss = 119.37222, step = 146100 (1.499 sec)
INFO:tensorflow:global_step/sec: 65.3916
INFO:tensorflow:loss = 165.82535, step = 146200 (1.532 sec)
INFO:tensorflow:global_step/sec: 65.2336
INFO:tensorflow:loss = 103.25653, step = 146300 (1.531 sec)
INFO:tensorflow:global_step/sec: 69.3532
INFO:tensorflow:loss = 135.15028, step = 146400 (1.443 sec)
INFO:tensorflow:global_step/sec: 70.2252
INFO:tensorflow:loss = 138.66022, step = 146500 (1.428 sec)
INFO:tensorflow:global_step/sec: 69.5099
INFO:tensorflow:loss = 142.57057, step = 146600 (1.436 sec)
INFO:tensorflow:global_step/sec: 69.0337
INFO:tensorflow:loss = 140.02405, step = 146700 (1.447 sec)
INFO:tensorflow:global_step/sec: 68.989
INFO:tensorflow:loss = 123.147705, step = 146800 (1.451 sec)
INFO:tensorflow:global_step/sec: 65.8678
INFO:tensorflow:loss = 98.39484, step = 146900 (1.517 sec)
INFO:tensorflow:global_step/sec: 68.6463
INFO:tensorflow:loss = 114.86887, step = 147000 (1.454 sec)
INFO:tensorflow:global_step/sec: 68.4587
INFO:tensorflow:loss = 128.97675, step = 147100 (1.463 sec)
INFO:tensorflow:global_step/sec: 67.8492
INFO:tensorflow:loss = 98.63668, step = 147200 (1.472 sec)
INFO:tensorflow:global_step/sec: 65.3391
INFO:tensorflow:loss = 120.795906, step = 147300 (1.530 sec)
INFO:tensorflow:global_step/sec: 68.5153
INFO:tensorflow:loss = 154.39185, step = 147400 (1.463 sec)
INFO:tensorflow:global_step/sec: 69.3061
INFO:tensorflow:loss = 117.17863, step = 147500 (1.442 sec)
INFO:tensorflow:global_step/sec: 66.075
INFO:tensorflow:loss = 141.61826, step = 147600 (1.513 sec)
INFO:tensorflow:global_step/sec: 66.4415
INFO:tensorflow:loss = 131.03108, step = 147700 (1.503 sec)
INFO:tensorflow:global_step/sec: 69.6918
INFO:tensorflow:loss = 159.60262, step = 147800 (1.437 sec)
INFO:tensorflow:global_step/sec: 66.2737
INFO:tensorflow:loss = 147.1767, step = 147900 (1.507 sec)
INFO:tensorflow:global_step/sec: 67.9017
INFO:tensorflow:loss = 140.69025, step = 148000 (1.475 sec)
INFO:tensorflow:global_step/sec: 69.5642
INFO:tensorflow:loss = 125.71684, step = 148100 (1.435 sec)
INFO:tensorflow:global_step/sec: 65.5424
INFO:tensorflow:loss = 112.477554, step = 148200 (1.525 sec)
INFO:tensorflow:global_step/sec: 62.5901
INFO:tensorflow:loss = 116.005875, step = 148300 (1.598 sec)
INFO:tensorflow:global_step/sec: 70.0455
INFO:tensorflow:loss = 87.43008, step = 148400 (1.428 sec)

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INFO:tensorflow:global_step/sec: 65.9893
INFO:tensorflow:loss = 113.699356, step = 148500 (1.516 sec)
INFO:tensorflow:global_step/sec: 65.5715
INFO:tensorflow:loss = 143.2062, step = 148600 (1.525 sec)
INFO:tensorflow:global_step/sec: 62.8293
INFO:tensorflow:loss = 110.242386, step = 148700 (1.591 sec)
INFO:tensorflow:global_step/sec: 66.7085
INFO:tensorflow:loss = 127.80589, step = 148800 (1.500 sec)
INFO:tensorflow:global_step/sec: 65.8445
INFO:tensorflow:loss = 118.778, step = 148900 (1.520 sec)
INFO:tensorflow:global_step/sec: 65.2395
INFO:tensorflow:loss = 190.81558, step = 149000 (1.531 sec)
INFO:tensorflow:global_step/sec: 69.4834
INFO:tensorflow:loss = 115.37756, step = 149100 (1.442 sec)
INFO:tensorflow:global_step/sec: 66.8731
INFO:tensorflow:loss = 132.47722, step = 149200 (1.494 sec)
INFO:tensorflow:global_step/sec: 67.9396
INFO:tensorflow:loss = 106.78286, step = 149300 (1.471 sec)
INFO:tensorflow:global_step/sec: 66.8424
INFO:tensorflow:loss = 118.85283, step = 149400 (1.495 sec)
INFO:tensorflow:global_step/sec: 68.8452
INFO:tensorflow:loss = 137.40335, step = 149500 (1.456 sec)
INFO:tensorflow:global_step/sec: 70.8238
INFO:tensorflow:loss = 159.25256, step = 149600 (1.411 sec)
INFO:tensorflow:global_step/sec: 66.5397
INFO:tensorflow:loss = 117.04488, step = 149700 (1.502 sec)
INFO:tensorflow:global_step/sec: 66.8736
INFO:tensorflow:loss = 186.61366, step = 149800 (1.497 sec)
INFO:tensorflow:global_step/sec: 69.2779
INFO:tensorflow:loss = 138.54164, step = 149900 (1.443 sec)
INFO:tensorflow:Saving checkpoints for 150000 into /tmp/tmp95_bbwn2/model.ckpt.
INFO:tensorflow:Loss for final step: 126.26543.

```

```
In [72]: m
```

```
Out[72]: <tensorflow_estimator.python.estimator.canned.dnn_linear_combined.DNNLinearCombinedRegress
```

```

In [0]: def test_input_fn6():
        titanic_file=path+'new_test.csv'

        titanic = tf.data.experimental.make_csv_dataset(
            titanic_file, batch_size=128,
            num_epochs=1,
            shuffle=False,
            label_name="rating_review")
        # titanic_batches = (
        #     titanic.cache()

```

```

        # .prefetch(tf.data.experimental.AUTOTUNE))
    return titanic

```

```

In [0]: #test4=pd.read_csv(path+'test5_str.csv')
        test4=pd.read_csv(path+'new_test.csv')

```

```

In [0]: len(test4)

```

```

Out[0]: 844095

```

Prediction

```

In [22]: start_time=time.time()
        answer=[]
        for single_prediction in m.predict(test_input_fn6):
            answer.append(single_prediction['predictions'])
        if len(answer)>len(test4):
            print('still wrong')
            break

        print("--- %s seconds ---" % (time.time() - start_time))

```

```

INFO:tensorflow:Calling model_fn.
INFO:tensorflow:Done calling model_fn.
INFO:tensorflow:Graph was finalized.
INFO:tensorflow:Restoring parameters from /tmp/tmp95_bbwn2/model.ckpt-150000
INFO:tensorflow:Running local_init_op.
INFO:tensorflow:Done running local_init_op.
--- 76.66633772850037 seconds ---

```

```

In [0]: from sklearn.metrics import mean_squared_error
        from sklearn.metrics import mean_absolute_error

```

```

In [16]: len(np.unique(df_train['user_id']))

```

```

Out[16]: 281365

```

```

In [24]: len(targets)

```

```

Out[24]: 844095

```

Get result using a trained W&D model.

```

In [23]: targets=test4['rating_review'] #WD 150000 new_test #
        def rmse(predictions, targets):
            return np.sqrt(((np.array(predictions)).flatten() - targets) ** 2).mean())

        print('RMSE of Wide and Deep',rmse(answer, targets))

```

```

def last_rating(preds,y_test):
    #rmse=[]
    pred=[]
    true=[]

    for i in range(0,len(preds),3):
        pred.append(preds[i+2])
        true.append(y_test[i+2])
        #print(pred,true)
    rmse=np.sqrt(mean_squared_error(true,pred))
    mae=mean_absolute_error(y_test,preds)

    return rmse,mae
rmse,mae=last_rating((np.array(answer)).flatten(),targets)
print('RMSE of last rating of each user(Wide and Deep)',rmse)
print('MAE of last rating of each user(Wide and Deep)',mae)

def cov(preds,y_test):
    count=0
    for i in range(0,len(preds),3):
        pred_rank=np.argsort([preds[i],preds[i+1],preds[i+2]])
        true_rank=np.argsort([y_test[i],y_test[i+1],y_test[i+2]])
        if (pred_rank==true_rank).all():
            count+=1
    return float(count)/len(np.unique(df_train['user_id']))

print('user_coverage',cov((np.array(answer)).flatten(),targets))

```

```

RMSE of Wide and Deep 1.1989847493679322
RMSE of last rating of each user(Wide and Deep) 1.19841698167923
MAE of last rating of each user(Wide and Deep) 0.961296367259051
user_coverage 0.3058767081904288

```

Get result using a trained Deep model(no Wide part).

```

In [0]: targets=test4['rating_review'] #deep 130000 new_test #use this one
def rmse(predictions, targets):
    return np.sqrt((((np.array(predictions)).flatten() - targets) ** 2).mean())

print('RMSE of Deep',rmse(answer, targets))

def last_rating(preds,y_test):

```

```

#rmse=[]
pred=[]
true=[]

for i in range(0,len(preds),3):
    pred.append(preds[i+2])
    true.append(y_test[i+2])
    #print(pred,true)
rmse=np.sqrt(mean_squared_error(true,pred))
mae=mean_absolute_error(y_test,preds)

    return rmse,mae
rmse,mae=last_rating((np.array(answer)).flatten(),targets)
print('RMSE of last rating of each user(Deep)',rmse)
print('MAE of last rating of each user(Deep)',mae)

def cov(preds,y_test):
    count=0
    for i in range(0,len(preds),3):
        pred_rank=np.argsort([preds[i],preds[i+1],preds[i+2]])
        true_rank=np.argsort([y_test[i],y_test[i+1],y_test[i+2]])
        if (pred_rank==true_rank).all():
            count+=1
    return float(count)/len(np.unique(df_train['user_id']))

print('user_coverage',cov((np.array(answer)).flatten(),targets))

```

```

RMSE of Deep 1.3643451321328977
RMSE of last rating of each user(Deep) 1.3630884798554996
MAE of last rating of each user(Deep) 1.0499056417866814
user_coverage 0.255980665683365

```

Get result using a trained Wide model(no deep part).

```

In [0]: targets=test4['rating_review'] #linear 30000 new_test #use this one
def rmse(predictions, targets):
    return np.sqrt(((np.array(predictions)).flatten() - targets) ** 2).mean())

print('RMSE of linear model',rmse(answer, targets))

def last_rating(preds,y_test):
    #rmse=[]
    pred=[]
    true=[]

```

```

for i in range(0,len(preds),3):
    pred.append(preds[i+2])
    true.append(y_test[i+2])
    #print(pred,true)
rmse=np.sqrt(mean_squared_error(true,pred))
mae=mean_absolute_error(y_test,preds)

return rmse,mae
rmse,mae=last_rating((np.array(answer)).flatten(),targets)
print('RMSE of last rating of each user(linear)',rmse)
print('MAE of last rating of each user(linear)',mae)

def cov(preds,y_test):
    count=0
    for i in range(0,len(preds),3):
        pred_rank=np.argsort([preds[i],preds[i+1],preds[i+2]])
        true_rank=np.argsort([y_test[i],y_test[i+1],y_test[i+2]])
        if (pred_rank==true_rank).all():
            count+=1
    return float(count)/len(np.unique(df_train['user_id']))

print('user_coverage',cov((np.array(answer)).flatten(),targets))

```

```

RMSE of linear model 1.1650703832549998
RMSE of last rating of each user(linear) 1.1644332723255844
MAE of last rating of each user(linear) 0.9162212331133986
user_coverage 0.30446572956835427

```

0.0.3 Predict on different user segmentation

```

In [0]: def test_input_fn7():
        titanic_file=path+'popular_user.csv'

        titanic = tf.data.experimental.make_csv_dataset(
            titanic_file, batch_size=128,
            num_epochs=1,
            shuffle=False,
            label_name="rating_review")
        # titanic_batches = (
        #     titanic.cache()
        #     .prefetch(tf.data.experimental.AUTOTUNE))
        return titanic

```

```

In [0]: test5=pd.read_csv(path+'popular_user.csv')

```



```

In [48]: start_time=time.time()
         answer=[]
         for single_prediction in m.predict(test_input_fn7):
             answer.append(single_prediction['predictions'])

         print("--- %s seconds ---" % (time.time() - start_time))

INFO:tensorflow:Calling model_fn.
INFO:tensorflow:Done calling model_fn.
INFO:tensorflow:Graph was finalized.
INFO:tensorflow:Restoring parameters from /tmp/tmp95_bbwn2/model.ckpt-150000
INFO:tensorflow:Running local_init_op.
INFO:tensorflow:Done running local_init_op.
--- 20.03504776954651 seconds ---

In [0]: def rmse(predictions, targets):
         return np.sqrt((((np.array(predictions)).flatten() - targets) ** 2).mean())

         def last_rating(preds,y_test):
             #rmse=[]
             pred=[]
             true=[]

             for i in range(0,len(preds),3):
                 pred.append(preds[i+2])
                 true.append(y_test[i+2])
                 #print(pred,true)
             rmse=np.sqrt(mean_squared_error(true,pred))
             mae=mean_absolute_error(y_test,preds)

             return rmse,mae
         def cov(preds,y_test,num):
             count=0
             for i in range(0,len(preds),3):
                 pred_rank=np.argsort([preds[i],preds[i+1],preds[i+2]])
                 true_rank=np.argsort([y_test[i],y_test[i+1],y_test[i+2]])
                 if (pred_rank==true_rank).all():
                     count+=1
             return float(count)/num

In [45]: print('Unpopular User')
         targets=test5['rating_review'] #linear 30000 new_test #use this one

         print('RMSE',rmse(answer, targets))

```

```

rmse,mae=last_rating((np.array(answer)).flatten(),targets)
print('RMSE of last rating of each user',rmse)
print('MAE of last rating of each user',mae)

print('user_coverage',cov((np.array(answer)).flatten(),targets,143289))

```

Unpopular User

```

RMSE 1.2068757124283576
RMSE of last rating of each user 1.2092507013152447
MAE of last rating of each user 0.9683649417227079
user_coverage 0.3148811143911954

```

```

In [40]: print('Midpopular User')
         targets=test5['rating_review']

         print('RMSE',rmse(answer, targets))

```

```

rmse,mae=last_rating((np.array(answer)).flatten(),targets)
print('RMSE of last rating of each user',rmse)
print('MAE of last rating of each user',mae)

print('user_coverage',cov((np.array(answer)).flatten(),targets,78897))

```

Midpopular User

```

RMSE 1.204787150647708
RMSE of last rating of each user 1.2056538446000455
MAE of last rating of each user 0.9677705804626177
user_coverage 0.31178625296272355

```

```

In [50]: print('Popular User')
         targets=test5['rating_review']

         print('RMSE',rmse(answer, targets))

```

```

rmse,mae=last_rating((np.array(answer)).flatten(),targets)
print('RMSE of last rating of each user',rmse)
print('MAE of last rating of each user',mae)

```

```
print('user_coverage', cov((np.array(answer)).flatten(), targets, 59179))
```

Popular User

RMSE 1.1717519273131942

RMSE of last rating of each user 1.174809832416539

MAE of last rating of each user 0.9355499882150535

user_coverage 0.3121715473394278

0.0.4 Predict on different business segmentation

```
In [0]: def test_input_fn7():
        titanic_file=path+'midpopular_business.csv'

        titanic = tf.data.experimental.make_csv_dataset(
            titanic_file, batch_size=128,
            num_epochs=1,
            shuffle=False,
            label_name="rating_review")
        # titanic_batches = (
        #     titanic.cache()
        #     .prefetch(tf.data.experimental.AUTOTUNE))
        return titanic
```

```
In [0]: test5=pd.read_csv(path+'midpopular_business.csv')
```

```
In [64]: start_time=time.time()
        answer=[]
        for single_prediction in m.predict(test_input_fn7):
            answer.append(single_prediction['predictions'])

        print("--- %s seconds ---" % (time.time() - start_time))
```

INFO:tensorflow:Calling model_fn.

INFO:tensorflow:Done calling model_fn.

INFO:tensorflow:Graph was finalized.

INFO:tensorflow:Restoring parameters from /tmp/tmp95_bbwn2/model.ckpt-150000

INFO:tensorflow:Running local_init_op.

INFO:tensorflow:Done running local_init_op.

--- 15.896955966949463 seconds ---

```
In [0]: def rmse(predictions, targets):
        return np.sqrt(((np.array(predictions)).flatten() - targets) ** 2).mean())

In [61]: print('Unpopular Business')
        targets=test5['rating_review'] #linear 30000 new_test #use this one

        print('RMSE',rmse(answer, targets))
```

Unpopular Business
RMSE 1.2397345836405833

```
In [66]: print('Midpopular Business')
          targets=test5['rating_review']

          print('RMSE',rmse(answer, targets))
```

Midpopular Business
RMSE 1.260606719032065

```
In [56]: print('Popular Business')
          targets=test5['rating_review']

          print('RMSE',rmse(answer, targets))
```

Popular Business
RMSE 1.1786618155754103