run_train_distracted_drivers-more-reg.py

August 4, 2016

from skimage import io, transform, exposure, color, util import os, itertools, sys from PIL import Image %pylab inline sys.setrecursionlimit(1000000)

In [2]:
```
# data_dir = "/home/dylan/IdeaProjects/distracted_drivers/train/"
data_dir =  "/media/dylan/Science/Kaggle-Data/distracted_drivers/train/"
```

In [3]:
```
input_volume_shape = (128, 128)
```

In [4]:
```
def read_img_file_PIL(file_path, size=(32,32)):
    img = Image.open(file_path).convert('L')
    img.thumbnail(size, Image.NEAREST)
    data = np.array(img)
    shape = data.shape
    append_top = int(ceil(max(0, size[0] - shape[0])/2.0))
    append_bot = int(floor(max(0, size[0] - shape[0])/2.0))
    data = util.pad(data, ((append_top, append_bot),
                           (0,0)), mode='constant', constant_values=0)
    return data
```

In [5]:
```
def read_img_file(file_path, rescale=0.01):
    img = io.imread(file_path)
    img= color.rgb2gray(img)
    return transform.rescale(img, rescale)
```

In [6]:
```
def image_gen_from_dir(directory, batch_size, num_categories, size=input_volume_shape):
    result = {os.path.join(dp, f) : int(os.path.split(dp)[1]) for dp, dn, filenames in os.walk(
                  for f in filenames if os.path.splitext(f)[1] == '.jpg'}
    # infinite loop
    while True:
        image_files = []
        labels = []
        # randomly choose batch size samples in result
        for category in range(num_categories):
            file_samples = np.random.choice([k for k, v in result.iteritems() if v == category]
                            size=batch_size, replace=False)
            for file_sample in file_samples:
                image_files.append(read_img_file_PIL(file_sample, size=size))
            labels.extend([v for v in itertools.repeat(category, batch_size)])

        # end category loop
        X = np.asarray(image_files, dtype=np.float32)
        # -1 to 1 range
        X = exposure.rescale_intensity(X, out_range=(-1,1))
        y = np.asarray(labels, dtype=np.int32)
        yield X, y
```

0.1 Another loader, augmentation time

We'll do 6 augmentations:

```
1.) Translation up to 10 pixels
2.) Rotation up to 15 degrees
3.) Zooming
4.) JPEG compression
5.) Sharpening
6.) Gamma correction
```

We won't do flips since the dataset only contains images from the passenger seat. Perhaps we can revisit this later.

In [7]:
```
from skimage.transform import rotate, warp, AffineTransform
from skimage import filters
from scipy import ndimage, misc
import StringIO
```

In [8]:
```
def random_translate(img):
    shift_random = AffineTransform(translation=(randint(-10, 10), randint(-10, 10)))
    min_value = 0 if min(img.ravel()) > 0 else min(img.ravel())
    return np.float32(warp(img, shift_random, mode='constant', cval=min_value))

def random_rotate(img):
    min_value = 0 if min(img.ravel()) > 0 else min(img.ravel())
    return np.float32(rotate(img, randint(-15, 15), mode='constant', cval=min_value))

def random_zoom(img):
    min_value = 0 if min(img.ravel()) > 0 else min(img.ravel())
    scale_random = AffineTransform(scale=(uniform(0.9, 1.1), uniform(0.9, 1.1)))
    return np.float32(warp(img, scale_random, mode='constant', cval=min_value))

def random_compress(img):
    max_v = np.ceil(img.max())
    min_v = np.floor(img.min())
    nd_im = exposure.rescale_intensity(img, out_range=(0, 1)).squeeze()
    nd_im = np.ndarray.astype(nd_im * 255, np.uint8)
    # nd_im = np.ndarray.astype(img * 255, np.uint8)
    im = Image.fromarray(nd_im)
    buf = StringIO.StringIO()
    im.save(buf, "JPEG", quality=np.random.randint(95, 99))
    buf.seek(0)
    im2 = Image.open(buf)
    x1 = exposure.rescale_intensity(np.ndarray.astype(np.array(im2), np.float32), out_range=(mi
    return x1

def random_sharpening(img):
    blurred_f = ndimage.gaussian_filter(img, 0.5)
    filter_blurred_f = ndimage.gaussian_filter(blurred_f, 1)
    alpha = uniform(0.9, 1.2)
    img = blurred_f + alpha * (blurred_f - filter_blurred_f)
    return exposure.rescale_intensity(img, out_range=(-1 , 1))

def random_gamma_correction(img):
    max_v = np.ceil(img.max())
```

```
            min_v = np.floor(img.min())
            img = exposure.rescale_intensity(img, out_range=(0,1))
            img = exposure.adjust_gamma(img, uniform(0.2, 0.8))
            return exposure.rescale_intensity(img, out_range=(-1, 1))
```

```
In [9]: def random_aug(img):
            choice = np.random.randint(0,6)
            # choose from 4 different augmentations!
            if choice == 0:
                return random_translate(img)
            elif choice == 1:
                return random_rotate(img)
            elif choice == 2:
                return random_zoom(img)
            elif choice == 3:
                return random_compress(img)
            elif choice == 4:
                return random_sharpening(img)
            else:
                return random_gamma_correction(img)
```

```
In [10]: def random_aug_batch(X, aug_algorithm):
             for i in range(X.shape[0]):
                 X[i] = aug_algorithm(X[i])
             return X
```

```
In [11]: def random_aug_gen(gen, aug_algorithm):
             for batchX, batchY in gen:
                 yield random_aug_batch(batchX, aug_algorithm), batchY
```

1 Process Generator with cached elements

```
In [12]: def threaded_generator(generator, num_cached=50):
             import Queue
             queue = Queue.Queue(maxsize=num_cached)
             sentinel = object()  # guaranteed unique reference

             # define producer (putting items into queue)
             def producer():
                 for item in generator:
                     queue.put(item)
                 queue.put(sentinel)

             # start producer (in a background thread)
             import threading
             thread = threading.Thread(target=producer)
             thread.daemon = True
             thread.start()

             # run as consumer (read items from queue, in current thread)
             item = queue.get()
             while item is not sentinel:
                 yield item
                 queue.task_done()
                 item = queue.get()
```

In [13]:
```
from nolearn.lasagne import NeuralNet
from lasagne.layers import DenseLayer, ReshapeLayer, Upscale2DLayer, Conv2DLayer, InputLayer,
    MaxPool2DLayer, get_all_params, batch_norm
import numpy as np
from lasagne.nonlinearities import softmax, leaky_rectify
from lasagne.updates import nesterov_momentum
from nolearn.lasagne import NeuralNet, BatchIterator, PrintLayerInfo, objective
from nolearn.lasagne import TrainSplit
from common import EarlyStopping, EndTrainingFromEarlyStopping
from lasagne.objectives import categorical_crossentropy, aggregate
import cPickle as pickle
from sklearn import metrics
import time, logging, logging.config, logging.handlers
```

```
Couldn't import dot_parser, loading of dot files will not be possible.

Using gpu device 0: GeForce GTX 960 (CNMeM is disabled, CuDNN 4004)
```

In [14]:
```
try:
    from lasagne.layers.dnn import Conv2DDNNLayer, MaxPool2DDNNLayer
    def conv_2_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DDNNLayer(top, num_filters, (3, 3), stride=1, pad=1, nonlinear
        conv2 = batch_norm(Conv2DDNNLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinea
        return MaxPool2DDNNLayer(conv2, (2, 2), 2)

    def conv_4_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DDNNLayer(top, num_filters, (3, 3), stride=1, pad=0, nonlinear
        conv2 = batch_norm(Conv2DDNNLayer(conv1, num_filters, (3, 3), stride=1, pad=0, nonlinea
        conv3 = batch_norm(Conv2DDNNLayer(conv2, num_filters, (3, 3), stride=1, pad=0, nonlinea
        conv4 = batch_norm(Conv2DDNNLayer(conv3, num_filters, (3, 3), stride=1, pad=0, nonlinea
        return MaxPool2DDNNLayer(conv4, (2, 2), 2)

    def conv_6_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DDNNLayer(top, num_filters, (3, 3), stride=1, pad=1,   nonlinea
        conv2 = batch_norm(Conv2DDNNLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinea
        conv3 = batch_norm(Conv2DDNNLayer(conv2, num_filters, (3, 3), stride=1, pad=1, nonlinea
        conv4 = batch_norm(Conv2DDNNLayer(conv3, num_filters, (3, 3), stride=1, pad=1, nonlinea
        conv5 = batch_norm(Conv2DDNNLayer(conv4, num_filters, (3, 3), stride=1, pad=1, nonlinea
        conv6 = batch_norm(Conv2DDNNLayer(conv5, num_filters, (3, 3), stride=1, pad=1, nonlinea
        return MaxPool2DLayer(conv6, (2, 2), 2)

except ImportError:
    def conv_2_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DLayer(top, num_filters, (3, 3), stride=1, pad=1,   nonlinearit
        conv2 = batch_norm(Conv2DLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        return MaxPool2DLayer(conv2, (2, 2), 2)

    def conv_4_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DLayer(top, num_filters, (3, 3), stride=1, pad=0,   nonlinearit
        conv2 = batch_norm(Conv2DLayer(conv1, num_filters, (3, 3), stride=1, pad=0, nonlinearit
        conv3 = batch_norm(Conv2DLayer(conv2, num_filters, (3, 3), stride=1, pad=0, nonlinearit
        conv4 = batch_norm(Conv2DLayer(conv3, num_filters, (3, 3), stride=1, pad=0, nonlinearit
        return MaxPool2DLayer(conv4, (2, 2), 2)

    def conv_6_layer_stack(top, num_filters):
```

```
    conv1 = batch_norm(Conv2DLayer(top, num_filters, (3, 3), stride=1, pad=1,   nonlinearit
    conv2 = batch_norm(Conv2DLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinearit
    conv3 = batch_norm(Conv2DLayer(conv2, num_filters, (3, 3), stride=1, pad=1, nonlinearit
    conv4 = batch_norm(Conv2DLayer(conv3, num_filters, (3, 3), stride=1, pad=1, nonlinearit
    conv5 = batch_norm(Conv2DLayer(conv4, num_filters, (3, 3), stride=1, pad=1, nonlinearit
    conv6 = batch_norm(Conv2DLayer(conv5, num_filters, (3, 3), stride=1, pad=1, nonlinearit
    return MaxPool2DLayer(conv6, (2, 2), 2)
```

In [15]:
```
input_layer = InputLayer((None, 1, input_volume_shape[0], input_volume_shape[1]))
conv_stack_1 = conv_2_layer_stack(input_layer, 32)
conv_stack_2 = conv_2_layer_stack(conv_stack_1, 64)
conv_stack_3 = conv_4_layer_stack(conv_stack_2, 128)
conv_stack_4 = conv_4_layer_stack(conv_stack_3, 256)
dropout17 = DropoutLayer(conv_stack_4, p=0.5)
dense18 = DenseLayer(dropout17, 2048, nonlinearity=leaky_rectify)
dropout19 = DropoutLayer(dense18, p=0.5)
dense20 = DenseLayer(dropout19, 2048, nonlinearity=leaky_rectify)
softmax21 = DenseLayer(dense20, 10, nonlinearity=softmax)
```

1.1 Quality of Life Functions

In [16]:
```
if not os.path.exists("logs"):
    os.mkdir("logs")
logging.config.fileConfig("logging-training.conf")

def regularization_objective(layers, lambda1=0., lambda2=0., *args, **kwargs):
    # default loss
    losses = objective(layers, *args, **kwargs)
    # get layer weights except for the biases
    weights = get_all_params(layers[-1], regularizable=True)
    regularization_term = 0.0
    # sum of abs weights for L1 regularization
    if lambda1 != 0.0:
        sum_abs_weights = sum([abs(w).sum() for w in weights])
        regularization_term += (lambda1 * sum_abs_weights)
    # sum of squares (sum(theta^2))
    if lambda2 != 0.0:
        sum_squared_weights = (1 / 2.0) * sum([(w ** 2).sum() for w in weights])
        regularization_term += (lambda2 * sum_squared_weights)
    # add weights to regular loss
    losses += regularization_term
    return losses

def eval_regularization(net):
    if net.objective_lambda1 == 0 and net.objective_lambda2 == 0:
        return 0
    # check the loss if the regularization term is not overpowering the loss
    weights = get_all_params(net.layers_[-1], regularizable=True)
    # sum of abs weights for L1 regularization
    sum_abs_weights = sum([abs(w).sum() for w in weights])
    # sum of squares (sum(theta^2))
    sum_squared_weights = (1 / 2.0) * sum([(w ** 2).sum() for w in weights])
    # add weights to regular loss
    regularization_term = (net.objective_lambda1 * sum_abs_weights) \
                          + (net.objective_lambda2 * sum_squared_weights)
```

```
    return regularization_term


def print_regularization_term(net):
    if net.objective_lambda1 > 0.0 or net.objective_lambda2 > 0.0:
        regularization_term = eval_regularization(net)
        print "Regularization term: {}".format(regularization_term.eval())

def validation_set_loss(_net, _X, _y):
    """We need this to track the validation loss"""
    _yb = _net.predict_proba(_X)
    _y_pred = np.argmax(_yb, axis=1)
    _acc = metrics.accuracy_score(_y, _y_pred)
    loss = aggregate(categorical_crossentropy(_yb, _y))
    loss += eval_regularization(_net)
    return loss, _acc


def store_model(model_file_name, net):
    directory_name = os.path.dirname(model_file_name)
    model_file_name = os.path.basename(model_file_name)
    if not os.path.exists(directory_name):
        os.makedirs(directory_name)
    # write model
    output_model_file_name = os.path.join(directory_name, model_file_name)
    start_write_time = time.time()
    if os.path.isfile(output_model_file_name):
        os.remove(output_model_file_name)
    with open(output_model_file_name, 'wb') as experiment_model:
        pickle.dump(net, experiment_model)
    total_write_time = time.time() - start_write_time
    m, s = divmod(total_write_time, 60)
    h, m = divmod(m, 60)
    logging.log(logging.INFO, "Duration of saving to disk: %0d:%02d:%02d", h, m, s)

def write_validation_loss_and_store_best(validation_file_name, best_weights_file_name,
                                         net, X_val, y_val, best_vloss, best_acc):
    # write validation loss
    start_validate_time = time.time()
    vLoss, vAcc = validation_set_loss(net, X_val, y_val)
    loss = vLoss.eval()
    current_epoch = net.train_history_[-1]['epoch']
    with open(validation_file_name, 'a') as validation_file:
        validation_file.write("{}, {}, {}\n".format(current_epoch, loss, vAcc))

    total_validate_time = time.time() - start_validate_time
    m, s = divmod(total_validate_time, 60)
    h, m = divmod(m, 60)
    logging.log(logging.INFO, "Duration of validation: %0d:%02d:%02d", h, m, s)

    # store best weights here
    if loss < best_vloss:
        start_bw_time = time.time()
        best_vloss = loss
```

```
                best_acc = vAcc
                with open(best_weights_file_name, 'wb') as best_model_file:
                    pickle.dump(net.get_all_params_values(), best_model_file, -1)

        return best_vloss, best_acc
```

1.2 Define validation set

In [17]:
```
val_dir =  "/media/dylan/Science/Kaggle-Data/distracted_drivers/val/"
X_val, y_val = image_gen_from_dir(val_dir, 40, 10, size=input_volume_shape).next()
X_val = X_val.reshape(-1, 1, input_volume_shape[0], input_volume_shape[1])
```

1.3 CNN

In [18]:
```
lambda1 = 0.0
lambda2 = 5e-3

net = NeuralNet(
    layers=softmax21,
    max_epochs=1,
    update=nesterov_momentum,
    update_learning_rate=0.001,
    update_momentum = 0.99,
    # update=adam,
    on_epoch_finished=[
        EarlyStopping(patience=2000)
    ],
    on_training_finished=[
        EndTrainingFromEarlyStopping()
    ],
    objective=regularization_objective,
    objective_lambda2=lambda2,
    objective_lambda1=lambda1,
    batch_iterator_train=BatchIterator(batch_size=100),
    train_split=TrainSplit(
        eval_size=0.25),
    # train_split=TrainSplit(eval_size=0.0),
    verbose=3,
)
```

In [19]:
```
p = PrintLayerInfo()
net.initialize()
# p(net)
```

1.3.1 load cnn instead

dir_name = 'net.vgg.large.l2.5e4' validation_file_name = "{}/vloss-{}.txt".format(dir_name, dir_name) model_file_name = "{}/{}.pickle".format(dir_name, dir_name) best_weights_file_name = "{}/bw-{}.weights".format(dir_name, dir_name) with open(model_file_name, 'rb') as reader: net = pickle.load(reader)

In [20]:
```
image_gen = image_gen_from_dir(data_dir, 10, 10, size=input_volume_shape)
gen = random_aug_gen(image_gen, random_aug)
threaded_gen = threaded_generator(gen, num_cached=100)
```

```
        ops_every = 100
        dir_name = 'net.vgg.large.l2.5e3'
        validation_file_name = "{}/vloss-{}.txt".format(dir_name, dir_name)
        model_file_name = "{}/{}.pickle".format(dir_name, dir_name)
        best_weights_file_name = "{}/bw-{}.weights".format(dir_name, dir_name)
        best_acc = 0.0
        best_vloss = np.inf

        start_time = time.time()
        try:
            for step, (inputs, targets) in enumerate(threaded_gen):
                shape = inputs.shape
                net.fit(inputs.reshape(shape[0],1, shape[1], shape[2]), targets)
                if (step + 1) % ops_every == 0:
                    print_regularization_term(net)
                    store_model(model_file_name, net)
                    # center validation
                    best_vloss, best_acc = write_validation_loss_and_store_best(
                        validation_file_name, best_weights_file_name, net, X_val, y_val, best_vloss, be

        except StopIteration:
            # terminate if already early stopping
            with open(model_file_name, 'wb') as writer:
                pickle.dump(net, writer)
            total_time = time.time() - start_time
            print("Training successful by early stopping. Elapsed: {}".format(total_time))

# Neural Network with 8964778 learnable parameters

## Layer information

name                size          total    cap.Y    cap.X    cov.Y    cov.X    filter Y    filter X    fi
-----------------  ----------  -------  -------  -------  -------  -------  ----------  ----------  ----
InputLayer          1x128x128     16384   100.00   100.00   100.00   100.00         128         128
Conv2DDNNLayer      32x128x128   524288   100.00   100.00     2.34     2.34           3           3
BatchNormLayer      32x128x128   524288   100.00   100.00   100.00   100.00         128         128
NonlinearityLayer   32x128x128   524288   100.00   100.00   100.00   100.00         128         128
Conv2DDNNLayer      32x128x128   524288   100.00   100.00   100.00   100.00         128         128
BatchNormLayer      32x128x128   524288   100.00   100.00   100.00   100.00         128         128
NonlinearityLayer   32x128x128   524288   100.00   100.00   100.00   100.00         128         128
MaxPool2DDNNLayer   32x64x64     131072   100.00   100.00   100.00   100.00         128         128
Conv2DDNNLayer      64x64x64     262144   100.00   100.00   100.00   100.00         128         128
BatchNormLayer      64x64x64     262144   100.00   100.00   100.00   100.00         128         128
NonlinearityLayer   64x64x64     262144   100.00   100.00   100.00   100.00         128         128
Conv2DDNNLayer      64x64x64     262144   100.00   100.00   100.00   100.00         128         128
BatchNormLayer      64x64x64     262144   100.00   100.00   100.00   100.00         128         128
NonlinearityLayer   64x64x64     262144   100.00   100.00   100.00   100.00         128         128
MaxPool2DDNNLayer   64x32x32      65536   100.00   100.00   100.00   100.00         128         128
Conv2DDNNLayer      128x30x30    115200   100.00   100.00   100.00   100.00         128         128
BatchNormLayer      128x30x30    115200   100.00   100.00   100.00   100.00         128         128
NonlinearityLayer   128x30x30    115200   100.00   100.00   100.00   100.00         128         128
Conv2DDNNLayer      128x28x28    100352   100.00   100.00   100.00   100.00         128         128
BatchNormLayer      128x28x28    100352   100.00   100.00   100.00   100.00         128         128
NonlinearityLayer   128x28x28    100352   100.00   100.00   100.00   100.00         128         128
```

Conv2DDNNLayer	128x26x26	86528	100.00	100.00	100.00	100.00	128	128
BatchNormLayer	128x26x26	86528	100.00	100.00	100.00	100.00	128	128
NonlinearityLayer	128x26x26	86528	100.00	100.00	100.00	100.00	128	128
Conv2DDNNLayer	128x24x24	73728	100.00	100.00	100.00	100.00	128	128
BatchNormLayer	128x24x24	73728	100.00	100.00	100.00	100.00	128	128
NonlinearityLayer	128x24x24	73728	100.00	100.00	100.00	100.00	128	128
MaxPool2DDNNLayer	128x12x12	18432	100.00	100.00	100.00	100.00	128	128
Conv2DDNNLayer	256x10x10	25600	100.00	100.00	100.00	100.00	128	128
BatchNormLayer	256x10x10	25600	100.00	100.00	100.00	100.00	128	128
NonlinearityLayer	256x10x10	25600	100.00	100.00	100.00	100.00	128	128
Conv2DDNNLayer	256x8x8	16384	100.00	100.00	100.00	100.00	128	128
BatchNormLayer	256x8x8	16384	100.00	100.00	100.00	100.00	128	128
NonlinearityLayer	256x8x8	16384	100.00	100.00	100.00	100.00	128	128
Conv2DDNNLayer	256x6x6	9216	100.00	100.00	100.00	100.00	128	128
BatchNormLayer	256x6x6	9216	100.00	100.00	100.00	100.00	128	128
NonlinearityLayer	256x6x6	9216	100.00	100.00	100.00	100.00	128	128
Conv2DDNNLayer	256x4x4	4096	100.00	100.00	100.00	100.00	128	128
BatchNormLayer	256x4x4	4096	100.00	100.00	100.00	100.00	128	128
NonlinearityLayer	256x4x4	4096	100.00	100.00	100.00	100.00	128	128
MaxPool2DDNNLayer	256x2x2	1024	100.00	100.00	100.00	100.00	128	128
DropoutLayer	256x2x2	1024	100.00	100.00	100.00	100.00	128	128
DenseLayer	2048	2048	100.00	100.00	100.00	100.00	128	128
DropoutLayer	2048	2048	100.00	100.00	100.00	100.00	128	128
DenseLayer	2048	2048	100.00	100.00	100.00	100.00	128	128
DenseLayer	10	10	100.00	100.00	100.00	100.00	128	128

Explanation
    X, Y: image dimensions
    cap.:   learning capacity
    cov.:   coverage of image
    magenta: capacity too low (<1/6)
    cyan: image coverage too high (>100%)
    red: capacity too low and coverage too high

epoch	train loss	valid loss	train/val	valid acc	dur
1	19.92786	19.07220	1.04486	0.10000	0.92s
2	19.51334	19.07179	1.02315	0.10000	0.89s
3	19.43458	19.07188	1.01902	0.10000	0.89s
4	19.67369	19.06933	1.03169	0.10000	0.89s
5	19.64053	19.06933	1.02995	0.10000	0.91s
6	19.36531	19.07162	1.01540	0.10000	0.90s
7	19.60820	19.07073	1.02818	0.10000	0.90s
8	19.45785	19.06711	1.02049	0.10000	0.90s
9	19.65917	19.07247	1.03076	0.10000	0.91s
10	19.39993	19.05304	1.01821	0.16667	0.90s
11	19.55334	19.06266	1.02574	0.23333	0.88s
12	19.51492	19.06290	1.02371	0.10000	0.89s
13	19.46038	19.05054	1.02151	0.16667	0.89s
14	19.46878	19.03826	1.02261	0.13333	0.88s
15	19.34838	19.18181	1.00868	0.10000	0.90s
16	19.48377	19.15582	1.01712	0.10000	0.90s
17	19.12521	19.19401	0.99642	0.10000	0.91s

18	19.23877	19.27308	0.99822	0.13333	0.93s
19	19.47780	19.86793	0.98036	0.13333	0.89s
20	19.32774	20.17763	0.95788	0.03333	0.92s
21	19.28384	21.03703	0.91666	0.13333	0.89s
22	19.41650	21.59189	0.89925	0.13333	0.91s
23	19.42116	23.44071	0.82852	0.06667	0.90s
24	19.20659	24.67654	0.77833	0.10000	0.90s
25	19.40781	26.65865	0.72801	0.13333	0.89s
26	19.15156	28.97950	0.66087	0.13333	0.89s
27	19.28008	29.91821	0.64443	0.16667	0.89s
28	19.38469	31.89310	0.60780	0.13333	0.89s
29	19.27335	31.72250	0.60756	0.16667	0.89s
30	19.19424	33.18611	0.57838	0.03333	0.89s
31	19.27616	34.21300	0.56342	0.10000	0.90s
32	19.16023	38.34956	0.49962	0.10000	0.89s
33	19.23180	38.78227	0.49589	0.06667	0.90s
34	19.25899	40.00003	0.48147	0.06667	0.91s
35	19.28344	39.04522	0.49387	0.03333	0.90s
36	19.19745	41.99354	0.45715	0.10000	0.91s
37	19.20859	43.98682	0.43669	0.03333	0.90s
38	19.39233	41.24968	0.47012	0.13333	0.89s
39	19.20800	41.32101	0.46485	0.10000	0.89s
40	19.12758	44.32789	0.43150	0.10000	0.88s
41	19.23313	45.85382	0.41944	0.10000	0.88s
42	19.15784	44.13992	0.43403	0.10000	0.92s
43	19.19278	43.96995	0.43650	0.13333	0.90s
44	19.15366	39.36684	0.48654	0.13333	0.90s
45	19.21113	44.12865	0.43534	0.10000	0.90s
46	19.18139	42.94366	0.44666	0.03333	0.91s
47	19.13187	43.84189	0.43638	0.20000	0.90s
48	19.28551	50.22116	0.38401	0.13333	0.90s
49	19.22790	45.57230	0.42192	0.10000	0.89s
50	19.24949	47.72224	0.40337	0.10000	0.90s
51	19.20351	44.33693	0.43313	0.10000	0.90s
52	19.20291	44.15948	0.43485	0.10000	0.90s
53	19.09551	41.10442	0.46456	0.16667	0.91s
54	19.11079	41.99690	0.45505	0.10000	0.89s
55	19.24611	42.67575	0.45098	0.06667	0.90s
56	19.07014	42.35247	0.45027	0.13333	0.88s
57	19.10743	40.32052	0.47389	0.10000	0.90s
58	19.05890	39.30671	0.48488	0.13333	0.91s
59	19.09982	44.82672	0.42608	0.03333	0.89s
60	19.05941	39.61631	0.48110	0.06667	0.92s
61	18.97906	39.34472	0.48238	0.13333	0.90s
62	19.12728	38.28239	0.49964	0.10000	0.90s
63	19.04354	39.81554	0.47829	0.10000	0.89s
64	19.15153	38.52102	0.49717	0.13333	0.91s
65	18.98914	35.54757	0.53419	0.13333	0.90s
66	18.93614	39.23318	0.48266	0.13333	0.91s
67	19.01706	39.09225	0.48647	0.10000	0.90s
68	19.02207	37.96124	0.50109	0.10000	0.89s
69	19.00390	37.36710	0.50857	0.10000	0.88s
70	18.95990	34.70485	0.54632	0.10000	0.89s
71	18.88961	34.56068	0.54656	0.10000	0.89s

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     72      19.01083      31.88415      0.59625      0.10000  0.90s
     73      18.93509      31.75954      0.59620      0.10000  0.91s
     74      18.88415      31.48586      0.59977      0.10000  0.89s
     75      19.00319      29.15110      0.65189      0.10000  0.90s
     76      18.81478      29.04990      0.64767      0.10000  0.89s
     77      19.01368      28.26568      0.67268      0.10000  0.91s
     78      19.05804      26.83316      0.71024      0.10000  0.90s
     79      19.01356      25.66974      0.74070      0.10000  0.90s
     80      19.00642      24.32175      0.78146      0.10000  0.89s
     81      18.89368      24.71953      0.76432      0.13333  0.91s
     82      19.02241      25.09476      0.75802      0.13333  0.91s
     83      19.05280      24.27177      0.78498      0.16667  0.89s
     84      18.90551      25.18429      0.75069      0.10000  0.90s
     85      18.85488      23.72590      0.79470      0.10000  0.88s
     86      18.93305      24.36367      0.77710      0.10000  0.89s
     87      18.82358      24.14052      0.77975      0.13333  0.89s
     88      19.03545      23.32206      0.81620      0.06667  0.90s
     89      18.96703      23.69275      0.80054      0.13333  0.88s
     90      18.91914      23.90622      0.79139      0.06667  0.90s
     91      18.82271      22.68162      0.82987      0.10000  0.90s
     92      18.83957      21.54857      0.87428      0.10000  0.89s
     93      18.83593      21.70253      0.86791      0.10000  0.88s
     94      18.89905      21.59734      0.87506      0.16667  0.91s
     95      18.85214      21.43011      0.87970      0.13333  0.89s
     96      18.97840      20.54041      0.92395      0.20000  0.91s
     97      18.89284      20.61236      0.91658      0.10000  0.91s
     98      18.80199      20.36424      0.92328      0.13333  0.90s
     99      18.77972      20.02260      0.93793      0.10000  0.90s
    100      18.87163      20.26497      0.93124      0.13333  0.92s
Regularization term: 16.4480342865
2016-07-02 15:52:25,110 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 15:52:30,827 - root - INFO - Duration of validation: 0:00:05
    101      18.66786      19.67990      0.94857      0.03333  0.85s
    102      18.79175      19.75670      0.95116      0.10000  0.84s
    103      18.91937      19.92410      0.94957      0.10000  0.84s
    104      18.69700      20.11819      0.92936      0.10000  0.84s
    105      18.80382      19.60587      0.95909      0.06667  0.85s
    106      18.75861      19.45680      0.96412      0.10000  0.87s
    107      18.78505      19.31936      0.97234      0.10000  0.84s
    108      18.78438      19.96413      0.94091      0.16667  0.85s
    109      18.83978      19.42125      0.97006      0.20000  0.85s
    110      18.76630      19.61248      0.95686      0.13333  0.84s
    111      18.71133      19.31085      0.96895      0.16667  0.84s
    112      18.65909      19.59534      0.95222      0.16667  0.84s
    113      18.62549      19.29835      0.96513      0.06667  0.85s
    114      18.82841      19.24463      0.97837      0.16667  0.84s
    115      18.73052      19.52822      0.95915      0.06667  0.84s
    116      18.66706      18.96969      0.98405      0.20000  0.83s
    117      18.60067      19.15857      0.97088      0.06667  0.85s
    118      18.70699      19.03744      0.98264      0.06667  0.84s
    119      18.72178      19.25657      0.97223      0.06667  0.84s
    120      18.77319      19.11510      0.98211      0.20000  0.84s
    121      18.63037      19.25007      0.96781      0.13333  0.84s
    122      18.64291      18.88501      0.98718      0.20000  0.84s
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123	18.64774	19.15146	0.97370	0.13333	0.84s
124	18.55633	19.25607	0.96366	0.10000	0.84s
125	18.52821	18.75395	0.98796	0.10000	0.84s
126	18.56684	18.85269	0.98484	0.20000	0.84s
127	18.54409	18.69404	0.99198	0.13333	0.83s
128	18.62630	19.24323	0.96794	0.16667	0.85s
129	18.59796	18.81900	0.98825	0.23333	0.85s
130	18.55853	18.86514	0.98375	0.16667	0.84s
131	18.50092	18.99908	0.97378	0.16667	0.84s
132	18.53053	18.76927	0.98728	0.13333	0.84s
133	18.59326	18.71731	0.99337	0.06667	0.84s
134	18.49139	18.38524	1.00577	0.23333	0.84s
135	18.47805	18.63446	0.99161	0.13333	0.85s
136	18.48734	19.08693	0.96859	0.13333	0.85s
137	18.45210	18.88092	0.97729	0.20000	0.84s
138	18.59027	18.62493	0.99814	0.16667	0.84s
139	18.52800	18.39688	1.00713	0.16667	0.85s
140	18.39562	18.53774	0.99233	0.33333	0.84s
141	18.34669	18.59642	0.98657	0.16667	0.84s
142	18.46682	18.52983	0.99660	0.16667	0.85s
143	18.43474	18.56186	0.99315	0.10000	0.84s
144	18.28674	18.46478	0.99036	0.16667	0.84s
145	18.30158	18.27049	1.00170	0.26667	0.84s
146	18.36600	18.42671	0.99671	0.20000	0.84s
147	18.47217	18.45488	1.00094	0.10000	0.84s
148	18.41224	18.25404	1.00867	0.20000	0.84s
149	18.25234	18.38588	0.99274	0.16667	0.84s
150	18.33196	18.20383	1.00704	0.13333	0.84s
151	18.37322	18.33617	1.00202	0.20000	0.83s
152	18.18581	18.09157	1.00521	0.33333	0.84s
153	18.36343	18.38914	0.99860	0.20000	0.86s
154	18.29029	18.22629	1.00351	0.10000	0.85s
155	18.32270	18.15128	1.00944	0.26667	0.84s
156	18.25199	18.05130	1.01112	0.16667	0.85s
157	18.33916	18.23845	1.00552	0.26667	0.85s
158	18.32476	18.18045	1.00794	0.23333	0.84s
159	18.27307	18.00362	1.01497	0.20000	0.84s
160	18.37755	18.16524	1.01169	0.26667	0.84s
161	18.19676	18.28168	0.99535	0.13333	0.85s
162	18.21347	18.03589	1.00985	0.33333	0.84s
163	18.19571	18.07713	1.00656	0.30000	0.85s
164	18.18451	18.10032	1.00465	0.26667	0.85s
165	18.18451	18.02749	1.00871	0.23333	0.84s
166	18.20351	17.92500	1.01554	0.23333	0.84s
167	18.17491	18.04417	1.00725	0.16667	0.84s
168	18.12389	18.08346	1.00224	0.16667	0.84s
169	18.03194	17.95785	1.00413	0.23333	0.85s
170	18.12609	17.96932	1.00872	0.13333	0.84s
171	18.00805	17.99024	1.00099	0.20000	0.84s
172	18.00114	18.09916	0.99458	0.23333	0.85s
173	18.03968	17.84485	1.01092	0.33333	0.84s
174	18.07080	17.96222	1.00604	0.23333	0.84s
175	18.03269	17.96428	1.00381	0.30000	0.85s
176	17.85173	18.02435	0.99042	0.16667	0.84s

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    177      18.02837      18.01764      1.00060      0.13333  0.84s
    178      17.93893      17.85911      1.00447      0.23333  0.84s
    179      18.00165      17.89408      1.00601      0.36667  0.84s
    180      18.00792      17.94009      1.00378      0.30000  0.85s
    181      17.92825      18.01189      0.99536      0.23333  0.85s
    182      17.84509      17.88611      0.99771      0.30000  0.84s
    183      17.84054      17.78541      1.00310      0.33333  0.84s
    184      17.95046      17.80092      1.00840      0.33333  0.84s
    185      17.89329      17.96637      0.99593      0.23333  0.85s
    186      17.78735      17.70223      1.00481      0.30000  0.84s
    187      17.93898      17.89162      1.00265      0.26667  0.85s
    188      17.77471      17.91296      0.99228      0.16667  0.84s
    189      17.80249      17.87481      0.99595      0.26667  0.85s
    190      17.85529      18.06518      0.98838      0.13333  0.85s
    191      17.77506      17.82506      0.99720      0.23333  0.85s
    192      17.81583      17.94081      0.99303      0.23333  0.84s
    193      17.68988      17.72857      0.99782      0.30000  0.85s
    194      17.69057      17.86779      0.99008      0.03333  0.84s
    195      17.73439      17.93985      0.98855      0.16667  0.85s
    196      17.77229      17.56770      1.01165      0.20000  0.84s
    197      17.71520      17.79325      0.99561      0.20000  0.83s
    198      17.77050      17.71939      1.00288      0.13333  0.85s
    199      17.51609      17.63039      0.99352      0.26667  0.84s
    200      17.60249      17.69910      0.99454      0.26667  0.85s
Regularization term: 15.5970077515
2016-07-02 15:54:03,682 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 15:54:08,105 - root - INFO - Duration of validation: 0:00:04
    201      17.76040      17.46120      1.01714      0.26667  0.87s
    202      17.68767      17.64988      1.00214      0.16667  0.84s
    203      17.68714      17.47936      1.01189      0.40000  0.85s
    204      17.55506      17.60083      0.99740      0.30000  0.84s
    205      17.65095      17.33139      1.01844      0.36667  0.84s
    206      17.67943      17.37214      1.01769      0.46667  0.84s
    207      17.65568      17.48676      1.00966      0.20000  0.84s
    208      17.59204      17.38746      1.01177      0.40000  0.84s
    209      17.59874      17.48671      1.00641      0.23333  0.85s
    210      17.54132      17.51934      1.00125      0.26667  0.85s
    211      17.38893      17.39151      0.99985      0.30000  0.84s
    212      17.43447      17.44646      0.99931      0.20000  0.84s
    213      17.51204      17.38571      1.00727      0.20000  0.85s
    214      17.48833      17.42026      1.00391      0.20000  0.84s
    215      17.32014      17.35934      0.99774      0.36667  0.84s
    216      17.28503      17.44745      0.99069      0.26667  0.83s
    217      17.39376      17.31002      1.00484      0.23333  0.84s
    218      17.32662      17.54246      0.98770      0.13333  0.84s
    219      17.36508      17.30250      1.00362      0.30000  0.84s
    220      17.53214      17.34118      1.01101      0.30000  0.84s
    221      17.53104      17.28608      1.01417      0.40000  0.83s
    222      17.35446      17.46908      0.99344      0.23333  0.84s
    223      17.27299      17.44315      0.99024      0.20000  0.85s
    224      17.32636      17.20546      1.00703      0.30000  0.84s
    225      17.21004      17.24954      0.99771      0.30000  0.84s
    226      17.34140      17.51862      0.98988      0.20000  0.85s
    227      17.25930      17.29629      0.99786      0.33333  0.85s
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228	17.06778	17.24961	0.98946	0.26667	0.86s
229	17.14400	17.21099	0.99611	0.33333	0.84s
230	17.11880	17.27472	0.99097	0.23333	0.83s
231	17.04097	17.14003	0.99422	0.33333	0.84s
232	17.18054	17.37191	0.98898	0.23333	0.86s
233	17.24160	17.17174	1.00407	0.30000	0.84s
234	16.99497	17.01260	0.99896	0.23333	0.83s
235	16.95292	16.94455	1.00049	0.36667	0.85s
236	17.17379	16.96246	1.01246	0.36667	0.84s
237	17.09083	16.78633	1.01814	0.33333	0.84s
238	16.95969	16.90265	1.00337	0.33333	0.83s
239	16.91186	17.08031	0.99014	0.23333	0.84s
240	16.98823	16.73764	1.01497	0.40000	0.85s
241	16.97498	16.82541	1.00889	0.33333	0.83s
242	17.03217	17.02644	1.00034	0.16667	0.85s
243	17.02618	17.03910	0.99924	0.23333	0.84s
244	16.97667	16.83870	1.00819	0.30000	0.84s
245	16.99063	16.85197	1.00823	0.36667	0.85s
246	16.95893	16.89494	1.00379	0.36667	0.83s
247	16.80418	16.67060	1.00801	0.43333	0.84s
248	16.81871	16.79879	1.00119	0.33333	0.84s
249	16.87141	16.75502	1.00695	0.40000	0.84s
250	16.73166	16.60849	1.00742	0.40000	0.84s
251	16.80490	17.06738	0.98462	0.26667	0.84s
252	16.82833	16.68513	1.00858	0.40000	0.84s
253	16.74539	16.78099	0.99788	0.33333	0.84s
254	16.73790	16.52211	1.01306	0.50000	0.84s
255	16.76857	16.63270	1.00817	0.43333	0.84s
256	16.77703	16.87654	0.99410	0.26667	0.84s
257	16.48792	16.50131	0.99919	0.36667	0.84s
258	16.85713	16.80333	1.00320	0.33333	0.85s
259	16.81537	16.61691	1.01194	0.23333	0.85s
260	16.51094	16.46586	1.00274	0.36667	0.84s
261	16.71850	16.42866	1.01764	0.43333	0.85s
262	16.67113	16.56105	1.00665	0.43333	0.84s
263	16.54695	16.43301	1.00693	0.43333	0.84s
264	16.60464	16.27745	1.02010	0.43333	0.85s
265	16.53745	16.58249	0.99728	0.26667	0.84s
266	16.58257	16.27956	1.01861	0.43333	0.84s
267	16.44873	16.33813	1.00677	0.40000	0.84s
268	16.52267	16.49597	1.00162	0.33333	0.84s
269	16.46186	16.29916	1.00998	0.46667	0.84s
270	16.61341	16.43257	1.01101	0.33333	0.84s
271	16.42076	16.58849	0.98989	0.36667	0.84s
272	16.42262	16.28000	1.00876	0.40000	0.85s
273	16.52559	16.31978	1.01261	0.53333	0.84s
274	16.64425	16.31584	1.02013	0.40000	0.84s
275	16.42275	16.28494	1.00846	0.46667	0.84s
276	16.35217	16.19728	1.00956	0.46667	0.84s
277	16.42237	16.28145	1.00866	0.30000	0.85s
278	16.24959	16.71976	0.97188	0.23333	0.84s
279	16.36860	16.36928	0.99996	0.33333	0.84s
280	16.22889	16.29019	0.99624	0.40000	0.85s
281	16.28197	16.24486	1.00228	0.33333	0.85s

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    282      16.38401      16.05045      1.02078      0.50000  0.85s
    283      16.31185      16.16747      1.00893      0.46667  0.84s
    284      16.35936      16.46921      0.99333      0.36667  0.84s
    285      16.16609      16.33690      0.98954      0.46667  0.85s
    286      16.18641      16.38668      0.98778      0.33333  0.83s
    287      16.05710      16.11501      0.99641      0.43333  0.83s
    288      16.46330      16.06400      1.02486      0.43333  0.84s
    289      16.29431      15.90765      1.02431      0.46667  0.84s
    290      16.10546      16.23057      0.99229      0.33333  0.84s
    291      16.07231      16.25713      0.98863      0.33333  0.85s
    292      16.11716      16.23858      0.99252      0.36667  0.84s
    293      16.08829      15.91784      1.01071      0.43333  0.84s
    294      16.01323      16.26192      0.98471      0.40000  0.83s
    295      16.02571      16.13421      0.99327      0.43333  0.83s
    296      15.92247      16.02530      0.99358      0.46667  0.85s
    297      15.91772      16.01934      0.99366      0.36667  0.84s
    298      16.13817      15.82891      1.01954      0.53333  0.85s
    299      15.84075      16.19207      0.97830      0.30000  0.84s
    300      15.92490      15.92152      1.00021      0.53333  0.85s
Regularization term: 14.4111375809
2016-07-02 15:55:41,682 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 15:55:46,129 - root - INFO - Duration of validation: 0:00:04
    301      15.80939      15.93459      0.99214      0.53333  0.86s
    302      16.12891      15.90363      1.01417      0.53333  0.83s
    303      16.13032      15.89422      1.01485      0.56667  0.84s
    304      15.85238      15.75465      1.00620      0.46667  0.85s
    305      15.96613      15.73129      1.01493      0.56667  0.85s
    306      15.87686      15.84424      1.00206      0.43333  0.85s
    307      15.77905      15.80436      0.99840      0.46667  0.84s
    308      15.83013      15.74091      1.00567      0.46667  0.84s
    309      15.64728      15.99465      0.97828      0.36667  0.84s
    310      15.87398      15.78804      1.00544      0.53333  0.84s
    311      15.98672      15.85649      1.00821      0.43333  0.85s
    312      15.77427      15.63243      1.00907      0.46667  0.83s
    313      15.77888      15.70131      1.00494      0.40000  0.84s
    314      15.63839      15.71000      0.99544      0.36667  0.84s
    315      15.72306      15.71057      1.00079      0.43333  0.86s
    316      15.94416      15.66225      1.01800      0.36667  0.84s
    317      15.66629      15.57926      1.00559      0.43333  0.84s
    318      15.87560      15.68079      1.01242      0.43333  0.85s
    319      15.68470      15.41067      1.01778      0.56667  0.84s
    320      15.73634      15.53301      1.01309      0.43333  0.84s
    321      15.89976      15.60260      1.01905      0.60000  0.84s
    322      15.68721      15.46668      1.01426      0.50000  0.85s
    323      15.59370      15.57153      1.00142      0.50000  0.84s
    324      15.56889      15.40334      1.01075      0.43333  0.85s
    325      15.39016      15.54955      0.98975      0.46667  0.84s
    326      15.47360      15.35438      1.00776      0.43333  0.84s
    327      15.42777      15.41266      1.00098      0.46667  0.83s
    328      15.58983      15.45989      1.00840      0.43333  0.84s
    329      15.34769      15.57257      0.98556      0.40000  0.84s
    330      15.39916      15.18135      1.01435      0.66667  0.85s
    331      15.61401      15.50268      1.00718      0.43333  0.85s
    332      15.44093      15.14218      1.01973      0.63333  0.83s
```

333	15.43287	15.37301	1.00389	0.50000	0.84s
334	15.72271	15.28533	1.02861	0.53333	0.83s
335	15.38280	15.29427	1.00579	0.50000	0.85s
336	15.17215	15.23291	0.99601	0.46667	0.85s
337	15.35790	15.28368	1.00486	0.56667	0.85s
338	15.36470	15.18246	1.01200	0.46667	0.84s
339	15.08357	15.17827	0.99376	0.50000	0.85s
340	15.21480	15.22844	0.99910	0.60000	0.84s
341	15.33626	15.19249	1.00946	0.50000	0.85s
342	15.47806	15.09926	1.02509	0.53333	0.85s
343	15.08657	15.50149	0.97323	0.56667	0.84s
344	15.38990	15.18499	1.01349	0.46667	0.84s
345	15.13529	15.39678	0.98302	0.46667	0.85s
346	15.15189	15.13476	1.00113	0.46667	0.85s
347	15.25940	15.30101	0.99728	0.46667	0.83s
348	14.92288	15.15538	0.98466	0.46667	0.85s
349	14.97574	14.99892	0.99845	0.60000	0.85s
350	15.26540	15.06100	1.01357	0.66667	0.84s
351	15.15871	15.09694	1.00409	0.56667	0.84s
352	15.09726	15.04414	1.00353	0.46667	0.85s
353	15.11840	14.95384	1.01100	0.60000	0.84s
354	14.93400	14.94698	0.99913	0.43333	0.85s
355	15.00356	15.20641	0.98666	0.36667	0.84s
356	14.89288	14.79271	1.00677	0.66667	0.84s
357	14.95603	15.07873	0.99186	0.43333	0.84s
358	14.92129	15.08218	0.98933	0.46667	0.84s
359	15.04361	15.30270	0.98307	0.33333	0.85s
360	15.08379	14.87734	1.01388	0.60000	0.85s
361	14.97957	14.96697	1.00084	0.46667	0.83s
362	14.94554	15.04951	0.99309	0.53333	0.84s
363	14.95751	15.01388	0.99625	0.43333	0.84s
364	15.02963	14.78573	1.01650	0.50000	0.84s
365	14.91332	14.69090	1.01514	0.56667	0.83s
366	15.08018	15.07065	1.00063	0.50000	0.85s
367	14.71995	14.85144	0.99115	0.53333	0.84s
368	14.81150	14.62606	1.01268	0.53333	0.85s
369	14.85779	14.86722	0.99937	0.50000	0.85s
370	14.76922	14.85243	0.99440	0.50000	0.85s
371	14.94760	14.88198	1.00441	0.46667	0.84s
372	14.86231	14.67203	1.01297	0.53333	0.84s
373	14.67212	14.49668	1.01210	0.56667	0.84s
374	14.66073	14.72207	0.99583	0.53333	0.84s
375	14.79214	14.67758	1.00781	0.60000	0.84s
376	14.70461	14.79273	0.99404	0.36667	0.84s
377	14.72390	14.78209	0.99606	0.60000	0.85s
378	14.58996	14.74750	0.98932	0.50000	0.85s
379	14.59374	14.44220	1.01049	0.70000	0.84s
380	14.62355	14.90102	0.98138	0.60000	0.84s
381	14.55884	14.56100	0.99985	0.60000	0.85s
382	14.47138	14.59313	0.99166	0.63333	0.84s
383	14.76242	14.58576	1.01211	0.50000	0.84s
384	14.44769	14.77577	0.97780	0.50000	0.85s
385	14.56626	14.70561	0.99052	0.50000	0.84s
386	14.63794	14.61754	1.00140	0.53333	0.85s

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    387      14.50436      14.37277      1.00916      0.56667  0.84s
    388      14.60277      14.33487      1.01869      0.60000  0.84s
    389      14.48909      14.51131      0.99847      0.50000  0.85s
    390      14.49639      14.49266      1.00026      0.60000  0.85s
    391      14.42771      14.42411      1.00025      0.50000  0.84s
    392      14.69977      14.37112      1.02287      0.63333  0.85s
    393      14.61125      14.05153      1.03983      0.76667  0.85s
    394      14.62655      14.14563      1.03400      0.73333  0.84s
    395      14.53554      14.28363      1.01764      0.60000  0.84s
    396      14.37521      14.40878      0.99767      0.70000  0.84s
    397      14.44374      14.09127      1.02501      0.66667  0.85s
    398      14.53769      14.26548      1.01908      0.63333  0.84s
    399      14.31059      14.09754      1.01511      0.76667  0.85s
    400      14.42559      14.29991      1.00879      0.66667  0.84s
Regularization term: 13.1535816193
2016-07-02 15:57:19,905 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 15:57:24,346 - root - INFO - Duration of validation: 0:00:04
    401      14.38201      14.46448      0.99430      0.50000  0.84s
    402      14.29406      14.47679      0.98738      0.53333  0.84s
    403      14.22596      14.36829      0.99009      0.56667  0.84s
    404      14.48737      14.55260      0.99552      0.60000  0.85s
    405      14.19289      14.06435      1.00914      0.66667  0.84s
    406      14.20908      13.88603      1.02326      0.66667  0.85s
    407      14.31353      14.14982      1.01157      0.73333  0.85s
    408      14.47679      14.47497      1.00013      0.50000  0.84s
    409      14.05376      13.95308      1.00722      0.70000  0.85s
    410      14.21787      14.17412      1.00309      0.66667  0.84s
    411      14.13434      14.00852      1.00898      0.66667  0.86s
    412      14.03376      13.89500      1.00999      0.76667  0.84s
    413      14.14895      14.20861      0.99580      0.60000  0.84s
    414      14.07668      13.78040      1.02150      0.73333  0.85s
    415      13.86509      13.91921      0.99611      0.63333  0.84s
    416      13.87816      14.21923      0.97601      0.50000  0.85s
    417      13.90425      14.08667      0.98705      0.66667  0.85s
    418      14.05206      13.80947      1.01757      0.63333  0.85s
    419      13.92167      13.89976      1.00158      0.63333  0.84s
    420      13.99975      14.40011      0.97220      0.60000  0.83s
    421      13.94640      14.01599      0.99503      0.56667  0.84s
    422      13.97182      14.06020      0.99371      0.53333  0.83s
    423      14.00268      13.70676      1.02159      0.60000  0.84s
    424      13.81972      13.84940      0.99786      0.63333  0.84s
    425      14.06590      13.99854      1.00481      0.63333  0.84s
    426      13.94732      13.69246      1.01861      0.60000  0.84s
    427      13.71945      13.82591      0.99230      0.56667  0.85s
    428      13.84120      13.86006      0.99864      0.63333  0.84s
    429      13.95277      14.07455      0.99135      0.60000  0.84s
    430      13.70018      13.75475      0.99603      0.66667  0.84s
    431      13.70728      14.12646      0.97033      0.50000  0.84s
    432      13.98705      13.58945      1.02926      0.66667  0.84s
    433      13.70283      14.01170      0.97796      0.53333  0.84s
    434      13.66981      13.66517      1.00034      0.63333  0.85s
    435      13.73355      13.81182      0.99433      0.60000  0.84s
    436      13.75438      13.58567      1.01242      0.63333  0.84s
    437      13.75328      13.74416      1.00066      0.66667  0.85s
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438	13.60191	13.82119	0.98413	0.63333	0.84s
439	13.77714	13.72028	1.00414	0.56667	0.84s
440	13.81062	13.78008	1.00222	0.70000	0.84s
441	13.73504	13.46785	1.01984	0.73333	0.84s
442	13.61090	13.60589	1.00037	0.70000	0.84s
443	13.59932	13.83589	0.98290	0.56667	0.84s
444	13.69118	13.41547	1.02055	0.73333	0.83s
445	13.64641	13.70377	0.99581	0.70000	0.84s
446	13.68842	13.72244	0.99752	0.53333	0.84s
447	13.49352	13.40958	1.00626	0.73333	0.85s
448	13.82664	13.63463	1.01408	0.56667	0.84s
449	13.44656	13.48336	0.99727	0.70000	0.85s
450	13.42111	13.31699	1.00782	0.76667	0.84s
451	13.36228	13.84503	0.96513	0.53333	0.85s
452	13.54400	13.58604	0.99691	0.70000	0.84s
453	13.55207	13.63670	0.99379	0.70000	0.84s
454	13.57518	14.20539	0.95564	0.60000	0.84s
455	13.34922	13.25530	1.00709	0.73333	0.84s
456	13.56943	13.28721	1.02124	0.70000	0.85s
457	13.45818	13.52549	0.99502	0.63333	0.85s
458	13.41542	13.21358	1.01528	0.66667	0.85s
459	13.51723	13.65529	0.98989	0.56667	0.85s
460	13.54319	13.14303	1.03045	0.73333	0.84s
461	13.48787	13.36777	1.00898	0.56667	0.84s
462	13.31381	13.17008	1.01091	0.66667	0.83s
463	13.29115	13.30936	0.99863	0.76667	0.84s
464	13.20518	13.32523	0.99099	0.76667	0.85s
465	13.31010	13.51619	0.98475	0.60000	0.85s
466	13.21530	13.05291	1.01244	0.70000	0.84s
467	13.64861	13.08735	1.04289	0.66667	0.85s
468	13.25153	13.19457	1.00432	0.73333	0.85s
469	13.19528	13.21260	0.99869	0.63333	0.84s
470	13.36802	13.15826	1.01594	0.76667	0.83s
471	13.24582	12.99400	1.01938	0.76667	0.83s
472	13.19242	12.97567	1.01670	0.70000	0.84s
473	13.02908	13.12684	0.99255	0.63333	0.84s
474	13.33691	13.03778	1.02294	0.70000	0.84s
475	13.13719	13.12010	1.00130	0.60000	0.85s
476	13.15523	13.03383	1.00931	0.66667	0.84s
477	13.14939	13.06286	1.00662	0.63333	0.84s
478	13.15319	13.04565	1.00824	0.63333	0.85s
479	12.96575	13.23174	0.97990	0.63333	0.85s
480	13.07403	13.06275	1.00086	0.70000	0.84s
481	12.94109	13.00306	0.99523	0.70000	0.84s
482	12.98914	13.18329	0.98527	0.53333	0.84s
483	13.05719	13.16683	0.99167	0.70000	0.85s
484	13.13782	12.83621	1.02350	0.66667	0.84s
485	13.20324	12.90922	1.02278	0.63333	0.84s
486	12.86638	12.91316	0.99638	0.63333	0.84s
487	13.06066	12.95367	1.00826	0.66667	0.84s
488	12.81941	13.23130	0.96887	0.60000	0.84s
489	12.97502	12.99656	0.99834	0.70000	0.85s
490	13.03194	12.89289	1.01079	0.70000	0.84s
491	12.85190	12.99384	0.98908	0.56667	0.84s

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    492      12.77521      12.95840      0.98586      0.60000  0.85s
    493      12.94972      12.80288      1.01147      0.70000  0.84s
    494      12.93898      12.82084      1.00921      0.76667  0.84s
    495      13.02420      12.77050      1.01987      0.76667  0.84s
    496      12.75208      12.81889      0.99479      0.73333  0.84s
    497      12.77992      12.76956      1.00081      0.70000  0.84s
    498      12.91370      12.59348      1.02543      0.80000  0.84s
    499      12.72508      13.06761      0.97379      0.50000  0.84s
    500      12.90317      13.02985      0.99028      0.63333  0.85s
Regularization term: 11.9463129044
2016-07-02 15:58:55,938 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 15:59:01,489 - root - INFO - Duration of validation: 0:00:05
    501      12.83021      12.85259      0.99826      0.56667  0.85s
    502      12.73917      12.89988      0.98754      0.60000  0.84s
    503      12.73848      12.83630      0.99238      0.63333  0.84s
    504      12.88420      12.83185      1.00408      0.70000  0.85s
    505      12.75376      13.07060      0.97576      0.53333  0.85s
    506      12.68262      12.87594      0.98499      0.60000  0.84s
    507      12.51689      12.76943      0.98022      0.66667  0.84s
    508      12.76187      12.69906      1.00495      0.70000  0.84s
    509      12.68017      12.62908      1.00405      0.83333  0.84s
    510      12.78624      12.69057      1.00754      0.56667  0.83s
    511      12.68024      12.70836      0.99779      0.66667  0.84s
    512      12.67168      12.57897      1.00737      0.63333  0.84s
    513      12.47834      12.62301      0.98854      0.60000  0.84s
    514      12.48139      12.44840      1.00265      0.83333  0.84s
    515      12.68278      12.62775      1.00436      0.63333  0.84s
    516      12.55260      12.42437      1.01032      0.76667  0.84s
    517      12.42348      12.54809      0.99007      0.63333  0.84s
    518      12.64933      12.69226      0.99662      0.66667  0.84s
    519      12.53579      12.61283      0.99389      0.63333  0.84s
    520      12.65208      12.37885      1.02207      0.73333  0.84s
    521      12.62929      12.44507      1.01480      0.70000  0.85s
    522      12.60472      12.61833      0.99892      0.73333  0.85s
    523      12.54203      12.60366      0.99511      0.70000  0.84s
    524      12.46558      12.66046      0.98461      0.63333  0.84s
    525      12.32105      12.61792      0.97647      0.63333  0.85s
    526      12.54761      12.67966      0.98959      0.70000  0.83s
    527      12.51285      12.60042      0.99305      0.73333  0.84s
    528      12.30937      12.50037      0.98472      0.63333  0.87s
    529      12.36710      12.47135      0.99164      0.66667  0.84s
    530      12.28572      12.63827      0.97210      0.73333  0.83s
    531      12.56694      12.29076      1.02247      0.76667  0.85s
    532      12.34081      12.25497      1.00700      0.66667  0.84s
    533      12.25872      12.11061      1.01223      0.80000  0.83s
    534      12.24910      12.31770      0.99443      0.73333  0.85s
    535      12.38368      12.54293      0.98730      0.63333  0.84s
    536      12.26171      12.38064      0.99039      0.66667  0.83s
    537      12.13400      12.25419      0.99019      0.76667  0.85s
    538      12.22453      12.06158      1.01351      0.76667  0.84s
    539      12.33593      12.16363      1.01417      0.73333  0.85s
    540      12.33867      11.92415      1.03476      0.80000  0.84s
    541      12.06013      12.41807      0.97118      0.63333  0.84s
    542      12.27820      12.25453      1.00193      0.76667  0.84s
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543	12.33412	12.03175	1.02513	0.76667	0.84s
544	12.24274	12.03579	1.01719	0.73333	0.84s
545	12.13015	12.00524	1.01040	0.86667	0.84s
546	12.15661	12.02274	1.01113	0.80000	0.84s
547	12.31835	11.90530	1.03469	0.83333	0.84s
548	12.19492	12.22510	0.99753	0.70000	0.84s
549	12.02622	12.03981	0.99887	0.80000	0.85s
550	12.13790	12.26428	0.98970	0.63333	0.84s
551	12.02272	12.60688	0.95366	0.56667	0.84s
552	12.25539	12.23128	1.00197	0.73333	0.84s
553	12.22764	12.55059	0.97427	0.66667	0.84s
554	12.23253	12.45723	0.98196	0.66667	0.84s
555	12.11986	12.44661	0.97375	0.50000	0.83s
556	12.01544	11.99114	1.00203	0.76667	0.84s
557	11.89462	11.68960	1.01754	0.86667	0.84s
558	11.98510	12.03769	0.99563	0.73333	0.83s
559	11.83963	11.80318	1.00309	0.80000	0.83s
560	11.94255	12.10318	0.98673	0.73333	0.85s
561	11.98843	11.94236	1.00386	0.76667	0.84s
562	11.80865	11.86916	0.99490	0.80000	0.85s
563	12.02288	12.08459	0.99489	0.63333	0.84s
564	11.80099	12.10233	0.97510	0.73333	0.84s
565	12.00449	12.40803	0.96748	0.63333	0.84s
566	11.83719	11.76574	1.00607	0.73333	0.84s
567	11.88632	11.89466	0.99930	0.76667	0.83s
568	11.80580	11.78348	1.00189	0.80000	0.85s
569	11.85000	11.93336	0.99301	0.70000	0.84s
570	11.70787	11.66502	1.00367	0.86667	0.84s
571	11.94304	11.54317	1.03464	0.86667	0.83s
572	11.81691	11.67321	1.01231	0.76667	0.85s
573	11.67201	11.63527	1.00316	0.80000	0.84s
574	11.53417	11.59644	0.99463	0.86667	0.84s
575	11.80017	11.85544	0.99534	0.73333	0.84s
576	11.71356	11.77508	0.99478	0.76667	0.85s
577	11.77412	11.45935	1.02747	0.86667	0.85s
578	11.70793	11.41266	1.02587	0.86667	0.84s
579	11.54554	11.69354	0.98734	0.66667	0.83s
580	11.62304	11.84681	0.98111	0.70000	0.84s
581	11.55627	11.61996	0.99452	0.83333	0.84s
582	11.60322	11.97472	0.96898	0.76667	0.84s
583	11.61213	11.52593	1.00748	0.90000	0.84s
584	11.71893	11.88429	0.98609	0.70000	0.84s
585	11.53273	11.66227	0.98889	0.80000	0.84s
586	11.59724	11.57661	1.00178	0.76667	0.84s
587	11.63653	11.58431	1.00451	0.73333	0.84s
588	11.55659	11.58174	0.99783	0.80000	0.84s
589	11.63867	11.58712	1.00445	0.76667	0.84s
590	11.64334	11.31974	1.02859	0.83333	0.84s
591	11.58849	11.70672	0.98990	0.76667	0.84s
592	11.54608	11.45387	1.00805	0.86667	0.85s
593	11.46394	11.51934	0.99519	0.66667	0.84s
594	11.39842	11.48149	0.99276	0.83333	0.84s
595	11.56975	11.27952	1.02573	0.83333	0.84s
596	11.44331	11.58202	0.98802	0.80000	0.84s

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    597      11.63443      11.47346      1.01403      0.83333  0.84s
    598      11.50965      11.17766      1.02970      0.86667  0.83s
    599      11.38650      11.47810      0.99202      0.66667  0.84s
    600      11.65015      11.96834      0.97341      0.73333  0.85s
Regularization term: 10.8316869736
2016-07-02 16:00:34,034 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:00:39,553 - root - INFO - Duration of validation: 0:00:05
    601      11.60644      11.75694      0.98720      0.70000  0.86s
    602      11.54832      11.47178      1.00667      0.76667  0.84s
    603      11.37537      11.37858      0.99972      0.80000  0.84s
    604      11.54350      11.26610      1.02462      0.83333  0.83s
    605      11.62206      11.22213      1.03564      0.83333  0.84s
    606      11.48385      11.72608      0.97934      0.63333  0.84s
    607      11.19847      11.51916      0.97216      0.73333  0.84s
    608      11.38052      11.14818      1.02084      0.90000  0.84s
    609      11.32867      11.25753      1.00632      0.80000  0.86s
    610      11.40744      11.58832      0.98439      0.60000  0.84s
    611      11.47346      11.10695      1.03300      0.83333  0.84s
    612      11.32852      11.16419      1.01472      0.80000  0.84s
    613      11.16532      11.39594      0.97976      0.80000  0.85s
    614      11.31213      11.49527      0.98407      0.76667  0.84s
    615      11.27521      11.19893      1.00681      0.80000  0.84s
    616      11.23894      11.51798      0.97577      0.73333  0.84s
    617      11.17363      11.08316      1.00816      0.80000  0.84s
    618      11.16021      11.26831      0.99041      0.76667  0.84s
    619      11.11756      11.10202      1.00140      0.90000  0.84s
    620      11.19173      11.19252      0.99993      0.83333  0.84s
    621      11.21965      11.13081      1.00798      0.76667  0.84s
    622      11.09959      11.03661      1.00571      0.90000  0.84s
    623      11.39143      11.37631      1.00133      0.70000  0.84s
    624      11.39850      11.27739      1.01074      0.76667  0.85s
    625      11.53274      11.15618      1.03375      0.80000  0.85s
    626      11.15574      11.30916      0.98643      0.80000  0.84s
    627      11.09760      11.09601      1.00014      0.80000  0.84s
    628      11.27410      10.84296      1.03976      0.86667  0.85s
    629      11.15801      11.00322      1.01407      0.83333  0.85s
    630      10.97941      11.24549      0.97634      0.73333  0.84s
    631      11.35455      10.97400      1.03468      0.80000  0.84s
    632      10.96598      11.06883      0.99071      0.83333  0.85s
    633      11.23178      11.11804      1.01023      0.83333  0.85s
    634      11.16233      10.87506      1.02642      0.80000  0.84s
    635      10.89695      11.23508      0.96990      0.76667  0.84s
    636      11.03432      10.99135      1.00391      0.80000  0.84s
    637      10.95939      10.83836      1.01117      0.80000  0.85s
    638      10.99602      10.92626      1.00639      0.80000  0.83s
    639      10.95782      10.89733      1.00555      0.83333  0.84s
    640      11.22589      10.72037      1.04716      0.86667  0.84s
    641      10.97487      10.78292      1.01780      0.86667  0.86s
    642      10.81604      10.81172      1.00040      0.83333  0.84s
    643      11.08805      11.04860      1.00357      0.80000  0.84s
    644      11.00278      11.11327      0.99006      0.73333  0.85s
    645      11.09103      11.09844      0.99933      0.70000  0.84s
    646      11.03836      11.05713      0.99830      0.73333  0.83s
    647      10.97153      10.68394      1.02692      0.83333  0.84s
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648	10.99418	11.15334	0.98573	0.83333	0.84s
649	10.89948	11.16409	0.97630	0.76667	0.84s
650	10.75747	10.94381	0.98297	0.76667	0.84s
651	10.87093	10.63035	1.02263	0.86667	0.84s
652	10.90050	10.67989	1.02066	0.83333	0.84s
653	10.80007	10.98136	0.98349	0.63333	0.84s
654	10.70554	10.81432	0.98994	0.80000	0.85s
655	10.63895	10.71832	0.99259	0.80000	0.83s
656	10.94302	10.70092	1.02262	0.86667	0.84s
657	10.77608	10.51938	1.02440	0.93333	0.84s
658	10.70496	10.70111	1.00036	0.86667	0.85s
659	10.67781	10.88797	0.98070	0.86667	0.86s
660	10.70830	10.92796	0.97990	0.66667	0.85s
661	10.78088	10.50320	1.02644	0.93333	0.85s
662	10.69534	10.63128	1.00603	0.83333	0.86s
663	10.58810	10.59145	0.99968	0.80000	0.85s
664	10.77172	10.58726	1.01742	0.83333	0.84s
665	11.02668	10.62305	1.03800	0.83333	0.85s
666	10.69266	10.40963	1.02719	0.96667	0.85s
667	10.67312	10.72496	0.99517	0.76667	0.84s
668	10.54853	10.89401	0.96829	0.66667	0.85s
669	10.63219	10.54808	1.00797	0.90000	0.84s
670	10.60260	10.56058	1.00398	0.90000	0.84s
671	10.66521	10.33994	1.03146	0.93333	0.83s
672	10.61582	10.60978	1.00057	0.80000	0.85s
673	10.51978	10.34988	1.01642	0.93333	0.85s
674	10.68155	10.34641	1.03239	0.90000	0.85s
675	10.57556	10.67905	0.99031	0.80000	0.85s
676	10.69133	10.70807	0.99844	0.73333	0.85s
677	10.53621	10.45009	1.00824	0.80000	0.84s
678	10.67336	10.27583	1.03869	0.93333	0.84s
679	10.65552	10.55104	1.00990	0.73333	0.85s
680	10.50728	10.45110	1.00538	0.83333	0.84s
681	10.46306	10.52808	0.99382	0.86667	0.84s
682	10.66831	10.35291	1.03047	0.90000	0.84s
683	10.45491	10.77002	0.97074	0.73333	0.84s
684	10.41426	10.79607	0.96463	0.70000	0.84s
685	10.41194	10.35231	1.00576	0.80000	0.83s
686	10.63344	10.53017	1.00981	0.80000	0.85s
687	10.31979	10.47919	0.98479	0.73333	0.85s
688	10.47637	10.62128	0.98636	0.73333	0.84s
689	10.43434	10.28659	1.01436	0.90000	0.85s
690	10.40917	10.38834	1.00201	0.76667	0.85s
691	10.41812	10.69216	0.97437	0.76667	0.86s
692	10.32916	10.35284	0.99771	0.83333	0.84s
693	10.52333	10.58397	0.99427	0.80000	0.84s
694	10.39786	10.54890	0.98568	0.80000	0.84s
695	10.41320	10.34910	1.00619	0.90000	0.84s
696	10.42379	10.49264	0.99344	0.70000	0.84s
697	10.40423	10.49850	0.99102	0.76667	0.85s
698	10.21228	10.20902	1.00032	0.90000	0.83s
699	10.25880	10.16759	1.00897	0.90000	0.83s
700	10.27499	10.66669	0.96328	0.76667	0.84s

Regularization term: 9.81208992004

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2016-07-02 16:02:12,325 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:02:17,919 - root - INFO - Duration of validation: 0:00:05
    701      10.38991      10.34676      1.00417      0.80000  0.85s
    702      10.49595      10.07274      1.04201      0.90000  0.84s
    703      10.49259      10.05534      1.04348      0.86667  0.84s
    704      10.11237      10.15290      0.99601      0.83333  0.85s
    705      10.09802      10.57064      0.95529      0.73333  0.85s
    706      10.33932      10.23714      1.00998      0.86667  0.84s
    707      10.16133      10.15694      1.00043      0.83333  0.84s
    708      10.22579      10.45243      0.97832      0.80000  0.84s
    709      10.06617       9.96869      1.00978      0.90000  0.84s
    710      10.08050      10.09026      0.99903      0.90000  0.84s
    711      10.24382      10.44254      0.98097      0.73333  0.83s
    712      10.16313      10.16295      1.00002      0.83333  0.84s
    713      10.16063      10.11980      1.00403      0.86667  0.84s
    714      10.11840      10.08761      1.00305      0.80000  0.84s
    715      10.31561      10.01369      1.03015      0.80000  0.84s
    716      10.15224      10.11682      1.00350      0.76667  0.85s
    717      10.07683       9.99587      1.00810      0.83333  0.83s
    718       9.90454      10.38640      0.95361      0.73333  0.84s
    719      10.02479      10.07485      0.99503      0.80000  0.84s
    720      10.04680       9.99960      1.00472      0.83333  0.84s
    721      10.06917       9.98954      1.00797      0.90000  0.84s
    722       9.96256      10.12649      0.98381      0.76667  0.85s
    723      10.04673      10.06870      0.99782      0.80000  0.84s
    724      10.00481      10.14696      0.98599      0.76667  0.85s
    725       9.95047       9.82473      1.01280      0.93333  0.83s
    726      10.02360       9.93357      1.00906      0.90000  0.84s
    727       9.89489       9.97909      0.99156      0.90000  0.83s
    728      10.01117       9.94509      1.00664      0.86667  0.83s
    729       9.90921       9.99190      0.99172      0.90000  0.85s
    730       9.90648       9.99398      0.99124      0.80000  0.84s
    731       9.81088       9.93160      0.98785      0.83333  0.85s
    732       9.98281      10.09826      0.98857      0.80000  0.85s
    733       9.98700       9.99989      0.99871      0.80000  0.84s
    734       9.86453       9.70670      1.01626      0.90000  0.85s
    735      10.05231       9.97394      1.00786      0.80000  0.84s
    736       9.94845       9.72556      1.02292      0.93333  0.84s
    737       9.84711       9.72367      1.01269      0.93333  0.84s
    738       9.96947       9.72927      1.02469      0.90000  0.84s
    739       9.87097       9.74274      1.01316      0.93333  0.84s
    740       9.80013       9.76444      1.00366      0.83333  0.84s
    741       9.93572       9.93686      0.99989      0.83333  0.84s
    742       9.74613       9.80208      0.99429      0.90000  0.84s
    743       9.70157      10.02780      0.96747      0.90000  0.84s
    744       9.82303       9.75948      1.00651      0.86667  0.84s
    745       9.93437      10.07281      0.98626      0.73333  0.84s
    746       9.70955       9.74088      0.99678      0.80000  0.84s
    747       9.78044       9.87626      0.99030      0.86667  0.84s
    748       9.77856       9.69007      1.00913      0.86667  0.84s
    749       9.90960       9.69067      1.02259      0.86667  0.85s
    750       9.82840      10.16858      0.96655      0.86667  0.84s
    751       9.74732       9.83246      0.99134      0.80000  0.84s
    752       9.76798       9.69329      1.00770      0.86667  0.85s
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    753       9.78152       9.60712       1.01815       0.83333  0.85s
    754       9.68738       9.65574       1.00328       0.86667  0.85s
    755       9.82254       9.88328       0.99385       0.83333  0.83s
    756       9.68593       9.57406       1.01169       0.86667  0.84s
    757       9.60229       9.64645       0.99542       0.83333  0.84s
    758       9.70074       9.87155       0.98270       0.73333  0.83s
    759       9.49063       9.57055       0.99165       0.76667  0.84s
    760       9.61116       9.57975       1.00328       0.86667  0.84s
    761       9.69207       9.57500       1.01223       0.86667  0.84s
    762       9.62625       9.79682       0.98259       0.83333  0.85s
    763       9.62949       9.48794       1.01492       0.93333  0.85s
    764       9.61609       9.51186       1.01096       0.83333  0.84s
    765       9.50571       9.40991       1.01018       0.90000  0.84s
    766       9.67102       9.93840       0.97310       0.83333  0.84s
    767       9.65454       9.44695       1.02197       0.90000  0.85s
    768       9.58941       9.51424       1.00790       0.90000  0.86s
    769       9.60910       9.40862       1.02131       0.86667  0.83s
    770       9.44722       9.81947       0.96209       0.80000  0.84s
    771       9.84198       9.39768       1.04728       0.93333  0.85s
    772       9.44819       9.80439       0.96367       0.80000  0.85s
    773       9.59460       9.41473       1.01911       0.96667  0.85s
    774       9.58174       9.49535       1.00910       0.86667  0.84s
    775       9.54972       9.52921       1.00215       0.93333  0.84s
    776       9.36950       9.54476       0.98164       0.86667  0.84s
    777       9.45721       9.54071       0.99125       0.86667  0.84s
    778       9.50277       9.28218       1.02377       0.96667  0.84s
    779       9.64548       9.61180       1.00350       0.76667  0.85s
    780       9.45796       9.50183       0.99538       0.86667  0.84s
    781       9.56532       9.60289       0.99609       0.66667  0.85s
    782       9.51829       9.50864       1.00101       0.80000  0.85s
    783       9.55073       9.28461       1.02866       0.90000  0.85s
    784       9.45019       9.21496       1.02553       0.96667  0.84s
    785       9.35998       9.50898       0.98433       0.83333  0.85s
    786       9.38147       9.97403       0.94059       0.80000  0.84s
    787       9.43936       9.36755       1.00767       0.90000  0.84s
    788       9.29828       9.52622       0.97607       0.90000  0.84s
    789       9.33031       9.32104       1.00099       0.90000  0.85s
    790       9.31843       9.23398       1.00915       0.93333  0.84s
    791       9.44398       9.29343       1.01620       0.86667  0.84s
    792       9.37314       9.32297       1.00538       0.90000  0.84s
    793       9.34424       9.70772       0.96256       0.76667  0.85s
    794       9.41235       9.50500       0.99025       0.76667  0.84s
    795       9.34885       9.10445       1.02684       0.96667  0.84s
    796       9.46826       9.19573       1.02964       0.93333  0.84s
    797       9.29475       9.07658       1.02404       0.93333  0.84s
    798       9.39481       9.17681       1.02375       0.90000  0.85s
    799       9.37282       9.18843       1.02007       0.93333  0.84s
    800       9.22267       9.19963       1.00250       0.90000  0.85s
Regularization term: 8.88544845581
2016-07-02 16:03:50,599 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:03:56,256 - root - INFO - Duration of validation: 0:00:05
    801       9.19466       9.15196       1.00467       0.90000  0.84s
    802       9.16490       9.41028       0.97392       0.90000  0.83s
    803       9.19140       9.26201       0.99238       0.90000  0.84s
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804	9.23146	9.14122	1.00987	0.90000	0.84s
805	9.29411	9.40667	0.98803	0.86667	0.84s
806	9.29875	9.28579	1.00140	0.83333	0.84s
807	9.05952	9.08110	0.99762	0.96667	0.83s
808	9.31768	9.16491	1.01667	0.86667	0.84s
809	9.06319	8.99208	1.00791	0.93333	0.84s
810	9.08946	9.19269	0.98877	0.90000	0.84s
811	9.11026	9.17525	0.99292	0.76667	0.83s
812	9.20838	9.00879	1.02216	0.86667	0.85s
813	9.20562	8.90414	1.03386	0.96667	0.84s
814	9.05018	9.20265	0.98343	0.80000	0.85s
815	8.89162	9.02691	0.98501	0.90000	0.83s
816	9.01718	9.05618	0.99569	0.83333	0.84s
817	9.13926	9.32906	0.97966	0.73333	0.85s
818	9.07511	9.25310	0.98076	0.80000	0.84s
819	9.00359	9.05052	0.99481	0.90000	0.84s
820	8.98212	9.08005	0.98922	0.86667	0.85s
821	8.99038	8.99227	0.99979	0.93333	0.84s
822	9.00130	8.97575	1.00285	0.90000	0.84s
823	9.03311	9.11010	0.99155	0.86667	0.84s
824	9.00571	9.16450	0.98267	0.76667	0.84s
825	8.97672	8.85996	1.01318	0.93333	0.84s
826	8.96076	9.13990	0.98040	0.80000	0.83s
827	8.94347	8.74799	1.02235	1.00000	0.84s
828	8.91746	8.78764	1.01477	0.96667	0.85s
829	8.88686	8.76072	1.01440	1.00000	0.84s
830	8.92420	8.79719	1.01444	0.96667	0.84s
831	8.94117	8.83453	1.01207	0.93333	0.83s
832	8.95140	9.22972	0.96985	0.80000	0.85s
833	8.90339	9.09206	0.97925	0.93333	0.84s
834	8.87247	8.79512	1.00879	0.86667	0.85s
835	8.86280	8.91287	0.99438	0.90000	0.84s
836	8.90469	9.19468	0.96846	0.83333	0.84s
837	8.92376	8.75960	1.01874	0.93333	0.84s
838	8.75743	8.85561	0.98891	0.86667	0.84s
839	8.99406	9.31953	0.96508	0.83333	0.84s
840	8.94725	8.75131	1.02239	0.93333	0.84s
841	8.85612	8.70309	1.01758	0.96667	0.84s
842	9.00546	9.25770	0.97275	0.80000	0.84s
843	8.69181	9.01048	0.96463	0.86667	0.85s
844	8.86585	8.96741	0.98868	0.80000	0.84s
845	8.71945	8.67476	1.00515	0.90000	0.84s
846	8.76545	9.08826	0.96448	0.80000	0.84s
847	8.79949	8.90788	0.98783	0.90000	0.99s
848	8.71204	8.78196	0.99204	0.93333	0.90s
849	8.82077	8.81866	1.00024	0.80000	0.84s
850	8.84672	8.85398	0.99918	0.86667	0.91s
851	8.87155	8.88206	0.99882	0.90000	0.89s
852	8.70625	8.67620	1.00346	0.93333	0.84s
853	8.85002	9.02882	0.98020	0.86667	0.84s
854	8.87949	8.75842	1.01382	0.86667	0.93s
855	8.91022	8.61418	1.03437	0.93333	0.92s
856	8.81929	8.83866	0.99781	0.86667	0.89s
857	8.79281	8.96650	0.98063	0.83333	0.92s

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    858       8.61016       8.57291       1.00435       0.96667  0.85s
    859       8.64018       8.59610       1.00513       0.93333  0.83s
    860       8.70926       8.68374       1.00294       0.90000  0.84s
    861       8.74972       8.91243       0.98174       0.86667  0.84s
    862       8.50270       8.72332       0.97471       0.86667  0.84s
    863       8.67164       8.61820       1.00620       0.93333  0.85s
    864       8.72393       8.55308       1.01998       0.90000  0.84s
    865       8.65012       8.53291       1.01374       0.93333  0.85s
    866       8.63246       8.57016       1.00727       0.86667  0.84s
    867       8.60009       8.69428       0.98917       0.93333  0.84s
    868       8.52900       8.42959       1.01179       0.96667  0.85s
    869       8.58248       8.54069       1.00489       0.90000  0.84s
    870       8.68076       8.54261       1.01617       0.90000  0.84s
    871       8.59839       8.50515       1.01096       0.96667  0.84s
    872       8.62759       8.57363       1.00629       0.90000  0.85s
    873       8.59305       8.53351       1.00698       0.86667  0.85s
    874       8.56267       8.37591       1.02230       0.96667  0.84s
    875       8.65895       8.60241       1.00657       0.86667  0.85s
    876       8.47115       8.67451       0.97656       0.83333  0.85s
    877       8.62911       8.40427       1.02675       0.96667  0.84s
    878       8.52389       8.48761       1.00427       0.93333  0.84s
    879       8.48120       8.48775       0.99923       0.83333  0.85s
    880       8.44435       8.45665       0.99855       0.93333  0.86s
    881       8.59523       8.43527       1.01896       0.90000  0.84s
    882       8.53567       8.26649       1.03256       0.96667  0.85s
    883       8.33585       8.34820       0.99852       0.93333  0.85s
    884       8.31893       8.51512       0.97696       0.90000  0.84s
    885       8.44197       8.48461       0.99497       0.90000  0.84s
    886       8.45994       8.34745       1.01348       0.90000  0.85s
    887       8.49186       8.37550       1.01389       0.90000  0.85s
    888       8.55910       8.35960       1.02387       0.86667  0.84s
    889       8.64110       8.64148       0.99996       0.83333  0.84s
    890       8.38659       8.23201       1.01878       0.96667  0.85s
    891       8.35944       8.69544       0.96136       0.80000  0.84s
    892       8.29580       8.44021       0.98289       0.83333  0.85s
    893       8.43464       8.63579       0.97671       0.83333  0.85s
    894       8.46139       8.55890       0.98861       0.90000  0.84s
    895       8.34853       8.20213       1.01785       0.93333  0.84s
    896       8.43216       8.36984       1.00745       0.86667  0.85s
    897       8.32330       8.61232       0.96644       0.80000  0.84s
    898       8.51464       8.46196       1.00622       0.86667  0.83s
    899       8.31249       8.49928       0.97802       0.83333  0.83s
    900       8.35574       8.45149       0.98867       0.90000  0.85s
Regularization term: 8.04454231262
2016-07-02 16:05:28,299 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:05:34,058 - root - INFO - Duration of validation: 0:00:05
    901       8.29705       8.26401       1.00400       0.90000  0.86s
    902       8.26722       8.35527       0.98946       0.86667  0.84s
    903       8.40144       8.34314       1.00699       0.90000  0.84s
    904       8.28166       8.25201       1.00359       0.90000  0.84s
    905       8.21907       8.41374       0.97686       0.83333  0.84s
    906       8.45644       8.50697       0.99406       0.83333  0.84s
    907       8.16405       8.41324       0.97038       0.86667  0.85s
    908       8.45061       8.57804       0.98514       0.86667  0.84s
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909	8.47234	8.14068	1.04074	0.96667	0.84s
910	8.41185	8.37619	1.00426	0.86667	0.84s
911	8.24335	8.23478	1.00104	0.93333	0.84s
912	8.13266	8.17394	0.99495	0.90000	0.84s
913	8.27343	8.25448	1.00229	0.90000	0.84s
914	8.22266	8.28154	0.99289	0.90000	0.84s
915	8.23359	8.13506	1.01211	0.93333	0.84s
916	8.21257	8.10780	1.01292	0.93333	0.85s
917	8.25349	7.98681	1.03339	1.00000	0.84s
918	8.12654	8.07919	1.00586	0.96667	0.85s
919	8.16592	8.15093	1.00184	0.90000	0.83s
920	8.16437	8.14627	1.00222	0.90000	0.84s
921	8.20431	8.21092	0.99919	0.86667	0.84s
922	8.07619	8.06678	1.00117	0.90000	0.84s
923	8.10197	8.00698	1.01186	0.93333	0.85s
924	8.10994	8.23800	0.98445	0.83333	0.84s
925	8.06367	8.14401	0.99014	0.86667	0.84s
926	8.23319	7.96800	1.03328	0.93333	0.84s
927	8.23669	8.63472	0.95390	0.83333	0.83s
928	8.18472	8.13265	1.00640	0.86667	0.84s
929	8.41674	8.19079	1.02759	0.80000	0.84s
930	8.09945	8.12009	0.99746	0.90000	0.84s
931	8.06293	8.08834	0.99686	0.86667	0.84s
932	8.29008	8.23898	1.00620	0.83333	0.84s
933	8.04986	8.21684	0.97968	0.90000	0.84s
934	8.00007	8.15387	0.98114	0.80000	0.84s
935	8.06126	8.07255	0.99860	0.90000	0.85s
936	8.12377	8.09701	1.00330	0.86667	0.84s
937	7.99726	8.16476	0.97949	0.80000	0.85s
938	7.91882	8.22422	0.96287	0.90000	0.84s
939	8.19494	8.30621	0.98660	0.76667	0.84s
940	8.15328	7.89236	1.03306	0.96667	0.85s
941	8.08126	7.97677	1.01310	0.93333	0.84s
942	8.11325	8.15831	0.99448	0.86667	0.84s
943	8.03970	8.01511	1.00307	0.83333	0.84s
944	8.02062	7.88177	1.01762	0.93333	0.84s
945	7.91063	7.90690	1.00047	0.90000	0.84s
946	7.99229	8.21137	0.97332	0.73333	0.83s
947	8.11927	7.97097	1.01861	0.90000	0.84s
948	7.87892	8.27983	0.95158	0.83333	0.84s
949	7.99044	7.96585	1.00309	0.86667	0.84s
950	7.98355	8.04404	0.99248	0.86667	0.84s
951	7.95728	7.86451	1.01180	0.90000	0.84s
952	7.95234	7.96194	0.99879	0.86667	0.85s
953	7.97330	8.31272	0.95917	0.80000	0.84s
954	8.09674	7.85596	1.03065	0.93333	0.85s
955	7.81799	7.91272	0.98803	0.93333	0.86s
956	7.93281	7.92693	1.00074	0.86667	0.84s
957	7.94240	7.91563	1.00338	0.90000	0.84s
958	7.92425	7.97676	0.99342	0.80000	0.85s
959	7.89965	7.97465	0.99059	0.83333	0.84s
960	7.86983	8.15063	0.96555	0.83333	0.85s
961	7.89493	8.17767	0.96543	0.83333	0.83s
962	7.93106	8.08678	0.98074	0.83333	0.85s

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    963       7.89625       7.77194       1.01600       0.93333  0.84s
    964       7.81531       7.89177       0.99031       0.90000  0.84s
    965       7.78200       7.98813       0.97420       0.90000  0.83s
    966       7.82418       7.71575       1.01405       0.93333  0.84s
    967       7.81889       7.88639       0.99144       0.90000  0.84s
    968       7.83038       7.76379       1.00858       0.93333  0.85s
    969       7.92233       7.87765       1.00567       0.86667  0.85s
    970       7.81529       7.75112       1.00828       0.90000  0.83s
    971       7.85419       7.82689       1.00349       0.86667  0.85s
    972       7.87807       7.93618       0.99268       0.83333  0.84s
    973       7.75338       7.76991       0.99787       0.90000  0.85s
    974       7.78939       7.78383       1.00071       0.86667  0.84s
    975       7.88284       7.74291       1.01807       0.86667  0.84s
    976       7.76640       7.59066       1.02315       0.93333  0.85s
    977       7.80232       7.86949       0.99146       0.93333  0.84s
    978       7.64709       7.80205       0.98014       0.90000  0.84s
    979       7.55524       7.64193       0.98866       0.90000  0.84s
    980       7.66424       7.91173       0.96872       0.86667  0.83s
    981       7.67451       7.53857       1.01803       0.93333  0.85s
    982       7.71318       7.72237       0.99881       0.90000  0.86s
    983       7.72628       7.58412       1.01874       0.93333  0.84s
    984       7.59840       7.69110       0.98795       0.86667  0.84s
    985       7.72456       7.82429       0.98725       0.86667  0.85s
    986       7.65007       7.51016       1.01863       0.96667  0.84s
    987       7.57143       7.63701       0.99141       0.90000  0.84s
    988       7.57655       7.88181       0.96127       0.80000  0.86s
    989       7.62110       7.70915       0.98858       0.90000  0.85s
    990       7.67166       7.85846       0.97623       0.90000  0.85s
    991       7.56144       7.48327       1.01045       0.93333  0.85s
    992       7.68885       7.99645       0.96153       0.83333  0.84s
    993       7.57899       7.79513       0.97227       0.83333  0.85s
    994       7.56351       7.72618       0.97895       0.86667  0.84s
    995       7.68273       7.69319       0.99864       0.86667  0.85s
    996       7.68900       7.45819       1.03095       0.96667  0.85s
    997       7.65618       7.69988       0.99432       0.93333  0.85s
    998       7.64251       7.46920       1.02320       0.96667  0.85s
    999       7.45927       7.54376       0.98880       0.90000  0.84s
   1000       7.60636       7.64590       0.99483       0.83333  0.85s
Regularization term: 7.28208827972
2016-07-02 16:07:07,061 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:07:12,864 - root - INFO - Duration of validation: 0:00:05
   1001       7.52504       7.39717       1.01729       0.96667  0.87s
   1002       7.61761       7.35259       1.03604       1.00000  0.84s
   1003       7.80306       7.45883       1.04615       0.93333  0.84s
   1004       7.74822       7.63955       1.01422       0.86667  0.86s
   1005       7.48527       7.49044       0.99931       0.90000  0.85s
   1006       7.55543       7.48544       1.00935       0.93333  0.84s
   1007       7.47762       7.68897       0.97251       0.83333  0.85s
   1008       7.46647       7.44567       1.00279       0.93333  0.84s
   1009       7.54161       7.67703       0.98236       0.86667  0.84s
   1010       7.45230       7.67881       0.97050       0.86667  0.84s
   1011       7.70538       7.45656       1.03337       0.90000  0.85s
   1012       7.56520       7.50569       1.00793       0.83333  0.85s
   1013       7.46391       7.52878       0.99138       0.90000  0.85s
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1014	7.39689	7.51653	0.98408	0.90000	0.83s
1015	7.57960	7.45165	1.01717	0.90000	0.84s
1016	7.48479	7.39928	1.01156	0.90000	0.84s
1017	7.43065	7.37580	1.00744	0.96667	0.84s
1018	7.44185	7.32721	1.01565	0.93333	0.85s
1019	7.42087	7.43547	0.99804	0.86667	0.85s
1020	7.47171	7.27984	1.02636	0.93333	0.84s
1021	7.39824	7.54562	0.98047	0.90000	0.84s
1022	7.39630	7.40460	0.99888	0.90000	0.84s
1023	7.29342	7.31767	0.99669	0.90000	0.85s
1024	7.33805	7.49052	0.97965	0.86667	0.84s
1025	7.40779	7.33440	1.01001	0.93333	0.85s
1026	7.31285	7.44455	0.98231	0.93333	0.84s
1027	7.37239	7.55040	0.97642	0.90000	0.85s
1028	7.37839	7.61469	0.96897	0.80000	0.84s
1029	7.36941	7.56312	0.97439	0.86667	0.85s
1030	7.28556	7.22003	1.00908	0.93333	0.84s
1031	7.31803	7.62549	0.95968	0.76667	0.83s
1032	7.32555	7.39640	0.99042	0.83333	0.85s
1033	7.42122	7.50287	0.98912	0.83333	0.85s
1034	7.22584	7.48603	0.96524	0.86667	0.84s
1035	7.32976	7.54416	0.97158	0.83333	0.84s
1036	7.32774	7.20584	1.01692	0.96667	0.84s
1037	7.50263	7.30819	1.02661	0.96667	0.84s
1038	7.36679	7.21860	1.02053	0.93333	0.84s
1039	7.24034	7.46428	0.97000	0.76667	0.85s
1040	7.28969	7.29723	0.99897	0.86667	0.85s
1041	7.24441	7.18021	1.00894	0.93333	0.84s
1042	7.13889	7.22296	0.98836	0.90000	0.85s
1043	7.21052	7.39516	0.97503	0.86667	0.84s
1044	7.29473	7.15042	1.02018	0.93333	0.84s
1045	7.24421	7.57925	0.95580	0.86667	0.85s
1046	7.22700	7.33030	0.98591	0.83333	0.83s
1047	7.28658	7.12308	1.02295	0.93333	0.84s
1048	7.14810	7.21142	0.99122	0.93333	0.85s
1049	7.29832	7.04083	1.03657	0.96667	0.84s
1050	7.32251	7.13271	1.02661	0.93333	0.85s
1051	7.20964	7.00597	1.02907	0.96667	0.84s
1052	7.13434	7.03017	1.01482	0.96667	0.84s
1053	7.13313	6.95324	1.02587	1.00000	0.85s
1054	7.15371	7.19911	0.99369	0.86667	0.84s
1055	7.07410	7.03961	1.00490	0.96667	0.85s
1056	7.16353	7.19384	0.99579	0.96667	0.84s
1057	7.45943	6.99586	1.06626	0.93333	0.83s
1058	7.08821	7.14284	0.99235	0.93333	0.85s
1059	7.07846	7.00399	1.01063	0.93333	0.84s
1060	7.05408	7.10177	0.99329	0.86667	0.84s
1061	7.18763	7.22900	0.99428	0.86667	0.84s
1062	7.16695	7.19356	0.99630	0.86667	0.85s
1063	6.98547	7.27783	0.95983	0.86667	0.84s
1064	7.02110	7.16211	0.98031	0.90000	0.84s
1065	7.01715	7.05884	0.99409	0.96667	0.85s
1066	7.01677	7.13233	0.98380	0.93333	0.83s
1067	7.06878	7.02800	1.00580	0.93333	0.83s

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   1068       7.04928       7.07226       0.99675       0.90000  0.84s
   1069       6.91958       6.99751       0.98886       0.90000  0.85s
   1070       7.15065       6.85754       1.04274       1.00000  0.85s
   1071       7.06396       6.87419       1.02761       1.00000  0.84s
   1072       7.07888       6.87866       1.02911       0.96667  0.84s
   1073       6.99363       6.94421       1.00712       0.93333  0.85s
   1074       6.96109       7.22468       0.96352       0.93333  0.83s
   1075       7.10945       6.99671       1.01611       0.93333  0.83s
   1076       6.97005       6.81048       1.02343       1.00000  0.84s
   1077       7.03998       6.89736       1.02068       0.96667  0.85s
   1078       7.09569       6.95407       1.02037       0.96667  0.84s
   1079       6.92771       6.82181       1.01552       0.96667  0.84s
   1080       6.92760       7.00820       0.98850       0.93333  0.84s
   1081       7.00559       7.16858       0.97726       0.86667  0.84s
   1082       6.89047       7.13136       0.96622       0.83333  0.84s
   1083       6.87743       6.95391       0.98900       0.93333  0.84s
   1084       6.98197       6.92883       1.00767       0.93333  0.84s
   1085       6.95958       6.77505       1.02724       1.00000  0.85s
   1086       7.05024       7.05701       0.99904       0.86667  0.85s
   1087       7.04234       6.88703       1.02255       0.93333  0.85s
   1088       7.13448       6.89859       1.03419       0.90000  0.85s
   1089       6.85511       6.75512       1.01480       1.00000  0.84s
   1090       6.94976       6.70481       1.03653       1.00000  0.84s
   1091       6.91064       6.69816       1.03172       1.00000  0.85s
   1092       6.83973       6.85010       0.99849       0.96667  0.85s
   1093       6.81010       6.79633       1.00203       0.96667  0.85s
   1094       6.80064       6.96482       0.97643       0.86667  0.84s
   1095       6.91632       6.74862       1.02485       0.93333  0.85s
   1096       6.77469       6.69686       1.01162       1.00000  0.84s
   1097       6.91409       6.85811       1.00816       0.90000  0.86s
   1098       6.80413       6.77612       1.00413       0.93333  0.84s
   1099       6.90203       7.08284       0.97447       0.90000  0.85s
   1100       6.72509       6.75733       0.99523       0.96667  0.85s
Regularization term: 6.59379386902
2016-07-02 16:08:45,351 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 16:08:50,137 - root - INFO - Duration of validation: 0:00:04
   1101       6.79599       6.69849       1.01456       1.00000  0.85s
   1102       6.70808       6.62546       1.01247       1.00000  0.84s
   1103       6.81990       6.69333       1.01891       0.96667  0.84s
   1104       6.72647       6.81101       0.98759       0.90000  0.84s
   1105       6.74477       6.91111       0.97593       0.83333  0.85s
   1106       6.80238       6.75649       1.00679       0.96667  0.84s
   1107       6.77467       6.80793       0.99511       0.86667  0.84s
   1108       6.91321       6.77667       1.02015       0.93333  0.85s
   1109       6.70100       6.75205       0.99244       0.93333  0.84s
   1110       6.70205       6.84964       0.97845       0.86667  0.84s
   1111       6.74335       6.71440       1.00431       0.90000  0.84s
   1112       6.67066       6.75608       0.98736       0.96667  0.84s
   1113       6.71907       6.69751       1.00322       0.90000  0.84s
   1114       6.71106       6.71406       0.99955       0.93333  0.85s
   1115       6.85670       6.73560       1.01798       0.93333  0.84s
   1116       6.76889       6.58572       1.02781       0.96667  0.85s
   1117       6.64201       6.55642       1.01305       1.00000  0.84s
   1118       6.72023       6.61486       1.01593       0.96667  0.85s
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1119	6.59750	6.69300	0.98573	0.90000	0.84s
1120	6.64383	6.56837	1.01149	0.96667	0.84s
1121	6.73718	6.54535	1.02931	0.96667	0.84s
1122	6.78120	6.57581	1.03123	0.96667	0.85s
1123	6.66688	6.64198	1.00375	0.93333	0.84s
1124	6.69544	6.60996	1.01293	0.96667	0.85s
1125	6.59091	6.64352	0.99208	0.93333	0.85s
1126	6.57740	6.75995	0.97300	0.86667	0.84s
1127	6.66220	6.53244	1.01986	0.93333	0.84s
1128	6.54531	6.74290	0.97070	0.93333	0.85s
1129	6.57619	6.92640	0.94944	0.83333	0.84s
1130	6.59171	6.51680	1.01149	1.00000	0.84s
1131	6.65894	6.51190	1.02258	0.96667	0.84s
1132	6.72915	6.59264	1.02071	0.93333	0.84s
1133	6.54962	6.66864	0.98215	0.93333	0.85s
1134	6.48589	6.74251	0.96194	0.86667	0.84s
1135	6.57164	6.68631	0.98285	0.83333	0.84s
1136	6.49186	6.69807	0.96921	0.93333	0.85s
1137	6.47432	6.67448	0.97001	0.90000	0.85s
1138	6.58728	6.64581	0.99119	0.90000	0.85s
1139	6.62076	6.74103	0.98216	0.93333	0.86s
1140	6.67298	6.59624	1.01163	0.90000	0.85s
1141	6.49338	6.49177	1.00025	0.93333	0.85s
1142	6.54306	6.47645	1.01029	0.93333	0.84s
1143	6.53822	6.49662	1.00640	0.93333	0.84s
1144	6.41477	6.53252	0.98197	0.90000	0.86s
1145	6.55886	6.42537	1.02077	1.00000	0.85s
1146	6.48376	6.49170	0.99878	0.90000	0.85s
1147	6.36022	6.37649	0.99745	1.00000	0.84s
1148	6.53994	6.63813	0.98521	0.90000	0.84s
1149	6.38690	6.46752	0.98753	0.93333	0.84s
1150	6.55671	6.44252	1.01772	0.96667	0.86s
1151	6.56867	6.40261	1.02594	0.96667	0.84s
1152	6.50124	6.47414	1.00419	0.90000	0.85s
1153	6.51940	6.36134	1.02485	0.96667	0.85s
1154	6.47213	6.30299	1.02684	1.00000	0.84s
1155	6.47870	6.43208	1.00725	0.96667	0.84s
1156	6.32341	6.38955	0.98965	0.93333	0.85s
1157	6.40219	6.40938	0.99888	0.96667	0.83s
1158	6.34886	6.41052	0.99038	0.90000	0.85s
1159	6.31717	6.27744	1.00633	0.96667	0.85s
1160	6.34912	6.38048	0.99508	0.90000	0.85s
1161	6.34175	6.29505	1.00742	0.96667	0.84s
1162	6.30186	6.35872	0.99106	0.93333	0.85s
1163	6.43216	6.59707	0.97500	0.90000	0.84s
1164	6.36137	6.43643	0.98834	0.93333	0.84s
1165	6.43467	6.32358	1.01757	0.93333	0.84s
1166	6.37282	6.24536	1.02041	1.00000	0.84s
1167	6.34535	6.30714	1.00606	0.96667	0.85s
1168	6.31717	6.25178	1.01046	0.96667	0.85s
1169	6.32136	6.49240	0.97366	0.90000	0.83s
1170	6.28799	6.30621	0.99711	0.90000	0.84s
1171	6.29990	6.36663	0.98952	0.96667	0.85s
1172	6.26759	6.36797	0.98424	0.93333	0.84s

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   1173       6.45189       6.48237       0.99530       0.93333  0.85s
   1174       6.35850       6.64573       0.95678       0.80000  0.84s
   1175       6.43535       6.52288       0.98658       0.90000  0.84s
   1176       6.36468       6.46777       0.98406       0.90000  0.84s
   1177       6.30936       6.29624       1.00208       0.90000  0.85s
   1178       6.28480       6.41960       0.97900       0.90000  0.85s
   1179       6.19989       6.31052       0.98247       0.90000  0.84s
   1180       6.22213       6.23360       0.99816       0.96667  0.84s
   1181       6.24414       6.22860       1.00250       0.93333  0.84s
   1182       6.40611       6.18917       1.03505       0.96667  0.84s
   1183       6.24136       6.12848       1.01842       1.00000  0.85s
   1184       6.29381       6.26704       1.00427       0.93333  0.85s
   1185       6.17965       6.09386       1.01408       1.00000  0.85s
   1186       6.28406       6.22184       1.01000       0.90000  0.84s
   1187       6.15869       6.29883       0.97775       0.93333  0.84s
   1188       6.23172       6.54469       0.95218       0.90000  0.84s
   1189       6.29337       6.17077       1.01987       0.96667  0.84s
   1190       6.24484       6.23148       1.00214       0.90000  0.84s
   1191       6.24770       6.07682       1.02812       1.00000  0.84s
   1192       6.29914       6.43931       0.97823       0.83333  0.85s
   1193       6.22586       6.12958       1.01571       0.96667  0.87s
   1194       6.27729       6.17506       1.01656       0.90000  0.85s
   1195       6.17086       6.05493       1.01915       1.00000  0.84s
   1196       6.10160       6.14572       0.99282       0.90000  0.84s
   1197       6.15096       6.10483       1.00756       0.93333  0.84s
   1198       6.08379       6.28621       0.96780       0.90000  0.84s
   1199       6.14138       6.16812       0.99566       0.93333  0.84s
   1200       6.07255       6.22450       0.97559       0.93333  0.83s
Regularization term: 5.97230100632
2016-07-02 16:10:21,889 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:10:27,568 - root - INFO - Duration of validation: 0:00:05
   1201       6.14816       6.23239       0.98648       0.93333  0.89s
   1202       6.06409       6.05437       1.00161       0.96667  0.84s
   1203       6.15036       6.22750       0.98761       0.86667  0.84s
   1204       6.30184       6.19562       1.01714       0.96667  0.84s
   1205       6.03023       6.12656       0.98428       0.96667  0.84s
   1206       6.08095       6.02814       1.00876       0.96667  0.84s
   1207       6.10027       6.14279       0.99308       0.90000  0.83s
   1208       6.19434       6.10110       1.01528       0.96667  0.84s
   1209       6.11465       6.23898       0.98007       0.86667  0.84s
   1210       6.10843       5.96343       1.02431       1.00000  0.84s
   1211       5.99876       6.02202       0.99614       0.93333  0.84s
   1212       6.13491       5.96648       1.02823       1.00000  0.84s
   1213       6.00234       6.18032       0.97120       0.90000  0.85s
   1214       6.13499       5.95894       1.02954       1.00000  0.84s
   1215       6.03166       6.03166       1.00000       0.96667  0.84s
   1216       6.13471       6.31117       0.97204       0.86667  0.85s
   1217       6.09460       6.11910       0.99600       0.93333  0.85s
   1218       5.98272       6.20159       0.96471       0.86667  0.84s
   1219       6.01834       6.04628       0.99538       0.93333  0.84s
   1220       5.97800       5.90984       1.01153       1.00000  0.84s
   1221       6.16239       5.99303       1.02826       0.96667  0.84s
   1222       5.96384       5.92645       1.00631       0.96667  0.84s
   1223       5.96962       5.87534       1.01605       1.00000  0.85s
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1224	5.94107	5.89734	1.00742	1.00000	0.84s
1225	5.99584	6.10728	0.98175	0.90000	0.84s
1226	5.98872	6.00369	0.99751	0.90000	0.85s
1227	5.88103	5.93904	0.99023	0.93333	0.85s
1228	5.99311	6.06570	0.98803	0.90000	0.84s
1229	6.00141	6.03012	0.99524	0.93333	0.85s
1230	5.98856	5.89380	1.01608	0.96667	0.84s
1231	5.89767	5.90120	0.99940	0.96667	0.84s
1232	6.00070	6.01039	0.99839	0.90000	0.85s
1233	5.89723	6.04869	0.97496	0.90000	0.85s
1234	6.12280	6.18413	0.99008	0.86667	0.84s
1235	5.93807	5.83739	1.01725	0.96667	0.84s
1236	5.85747	6.00163	0.97598	0.90000	0.85s
1237	5.91374	5.84761	1.01131	0.96667	0.85s
1238	6.01733	5.85049	1.02852	0.96667	0.84s
1239	5.85329	5.89738	0.99252	0.90000	0.85s
1240	5.93667	5.95605	0.99675	0.93333	0.85s
1241	5.99637	5.93200	1.01085	0.96667	0.85s
1242	5.98650	5.89018	1.01635	0.96667	0.85s
1243	5.99811	5.92383	1.01254	0.90000	0.84s
1244	5.85932	6.07129	0.96509	0.93333	0.85s
1245	5.99592	5.96714	1.00482	0.86667	0.83s
1246	5.90452	5.89504	1.00161	0.93333	0.85s
1247	5.85240	5.85083	1.00027	0.93333	0.85s
1248	5.84471	5.79216	1.00907	0.96667	0.84s
1249	5.81777	5.79290	1.00429	0.96667	0.86s
1250	5.97316	5.89165	1.01384	0.93333	0.84s
1251	5.79936	5.95502	0.97386	0.90000	0.83s
1252	5.78448	5.98458	0.96656	0.93333	0.85s
1253	5.85836	5.96428	0.98224	0.93333	0.86s
1254	5.73972	5.72278	1.00296	0.96667	0.85s
1255	5.74802	5.95327	0.96552	0.83333	0.84s
1256	5.76345	5.96923	0.96553	0.90000	0.84s
1257	5.84980	5.72519	1.02177	0.96667	0.84s
1258	5.85675	5.79915	1.00993	0.90000	0.85s
1259	5.85613	5.72870	1.02224	1.00000	0.84s
1260	5.74301	5.77189	0.99499	0.93333	0.85s
1261	5.78022	5.77514	1.00088	0.96667	0.85s
1262	5.70920	5.64011	1.01225	1.00000	0.84s
1263	5.77787	5.72095	1.00995	0.96667	0.83s
1264	5.81478	5.80797	1.00117	0.96667	0.85s
1265	5.70278	5.75892	0.99025	0.93333	0.85s
1266	5.67175	5.77501	0.98212	0.93333	0.84s
1267	5.69283	5.84365	0.97419	0.90000	0.85s
1268	5.78233	5.70045	1.01436	0.96667	0.85s
1269	5.94750	5.86659	1.01379	0.90000	0.85s
1270	5.65690	5.74005	0.98551	0.96667	0.84s
1271	5.66730	5.81656	0.97434	0.93333	0.84s
1272	5.72668	5.77603	0.99146	0.90000	0.84s
1273	5.67314	5.82754	0.97351	0.86667	0.85s
1274	5.72365	5.91820	0.96713	0.86667	0.84s
1275	5.63884	5.95179	0.94742	0.83333	0.85s
1276	5.62855	5.88299	0.95675	0.86667	0.85s
1277	5.78104	5.70004	1.01421	0.96667	0.84s

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   1278       5.60971       5.57009       1.00711       1.00000  0.84s
   1279       5.73131       5.65078       1.01425       0.93333  0.84s
   1280       5.65520       5.59688       1.01042       0.96667  0.84s
   1281       5.62350       5.80898       0.96807       0.93333  0.85s
   1282       5.65355       5.71315       0.98957       0.90000  0.84s
   1283       5.78777       5.66522       1.02163       0.93333  0.85s
   1284       5.57710       5.64255       0.98840       0.96667  0.85s
   1285       5.65713       5.70708       0.99125       0.93333  0.84s
   1286       5.66874       5.77128       0.98223       0.93333  0.85s
   1287       5.60164       5.52785       1.01335       0.96667  0.85s
   1288       5.60771       5.79442       0.96778       0.93333  0.85s
   1289       5.65926       5.56530       1.01688       0.96667  0.84s
   1290       5.70147       5.50477       1.03573       1.00000  0.85s
   1291       5.66932       5.65709       1.00216       0.96667  0.85s
   1292       5.62687       5.55639       1.01268       1.00000  0.85s
   1293       5.57077       5.54099       1.00537       0.96667  0.85s
   1294       5.51763       5.48405       1.00612       1.00000  0.85s
   1295       5.58693       5.72821       0.97534       0.83333  0.85s
   1296       5.52010       5.56595       0.99176       0.96667  0.84s
   1297       5.67996       5.44932       1.04232       1.00000  0.85s
   1298       5.62304       5.47683       1.02670       1.00000  0.85s
   1299       5.55287       5.54525       1.00137       0.93333  0.84s
   1300       5.53631       5.66762       0.97683       0.93333  0.85s
Regularization term: 5.40761423111
2016-07-02 16:12:00,938 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 16:12:06,605 - root - INFO - Duration of validation: 0:00:05
   1301       5.56678       5.46902       1.01788       0.96667  0.86s
   1302       5.79650       5.57071       1.04053       0.93333  0.84s
   1303       5.52597       5.54193       0.99712       0.96667  0.84s
   1304       5.48181       5.45810       1.00434       0.96667  0.85s
   1305       5.61151       5.51372       1.01774       0.93333  0.84s
   1306       5.54127       5.52503       1.00294       0.93333  0.84s
   1307       5.52758       5.45889       1.01258       0.96667  0.84s
   1308       5.55968       5.47955       1.01462       0.96667  0.85s
   1309       5.47132       5.52857       0.98964       0.96667  0.84s
   1310       5.48708       5.50252       0.99719       0.93333  0.84s
   1311       5.58141       5.53073       1.00916       0.93333  0.83s
   1312       5.42782       5.72997       0.94727       0.90000  0.85s
   1313       5.49169       5.45110       1.00745       0.96667  0.84s
   1314       5.54082       5.51867       1.00401       0.93333  0.84s
   1315       5.53179       5.44576       1.01580       0.96667  0.85s
   1316       5.47126       5.34125       1.02434       1.00000  0.85s
   1317       5.49978       5.43139       1.01259       0.96667  0.85s
   1318       5.39002       5.52982       0.97472       0.93333  0.84s
   1319       5.39042       5.53035       0.97470       0.93333  0.84s
   1320       5.50792       5.41294       1.01755       0.96667  0.85s
   1321       5.34568       5.35970       0.99738       0.96667  0.85s
   1322       5.51178       5.54389       0.99421       0.93333  0.85s
   1323       5.43677       5.37342       1.01179       0.96667  0.84s
   1324       5.54324       5.38415       1.02955       0.93333  0.85s
   1325       5.47299       5.44783       1.00462       0.93333  0.85s
   1326       5.36955       5.31954       1.00940       1.00000  0.84s
   1327       5.48367       5.48887       0.99905       0.93333  0.85s
   1328       5.38809       5.40562       0.99676       0.93333  0.84s
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1329	5.39241	5.30053	1.01733	1.00000	0.85s
1330	5.37767	5.33434	1.00812	1.00000	0.84s
1331	5.48245	5.52775	0.99180	0.93333	0.84s
1332	5.38691	5.31536	1.01346	0.96667	0.84s
1333	5.29817	5.33729	0.99267	0.96667	0.84s
1334	5.31701	5.28126	1.00677	1.00000	0.85s
1335	5.36256	5.50665	0.97383	0.90000	0.85s
1336	5.30405	5.34967	0.99147	0.96667	0.84s
1337	5.29415	5.50291	0.96206	0.86667	0.84s
1338	5.31030	5.30756	1.00052	0.96667	0.85s
1339	5.27408	5.24723	1.00512	0.96667	0.86s
1340	5.33408	5.42481	0.98328	0.86667	0.85s
1341	5.36018	5.53154	0.96902	0.83333	0.85s
1342	5.25048	5.24969	1.00015	1.00000	0.84s
1343	5.25287	5.34220	0.98328	0.93333	0.85s
1344	5.33665	5.38994	0.99011	0.93333	0.84s
1345	5.26906	5.23263	1.00696	1.00000	0.84s
1346	5.26728	5.41960	0.97189	0.93333	0.85s
1347	5.20677	5.24013	0.99363	0.96667	0.84s
1348	5.38123	5.27972	1.01923	1.00000	0.84s
1349	5.35127	5.30185	1.00932	0.96667	0.85s
1350	5.19121	5.17110	1.00389	1.00000	0.85s
1351	5.41033	5.37737	1.00613	0.93333	0.83s
1352	5.22891	5.29661	0.98722	0.93333	0.83s
1353	5.32037	5.17185	1.02872	0.96667	0.85s
1354	5.25032	5.30898	0.98895	0.93333	0.85s
1355	5.33000	5.31567	1.00270	0.86667	0.84s
1356	5.17674	5.46799	0.94673	0.90000	0.85s
1357	5.31307	5.37897	0.98775	0.93333	0.84s
1358	5.27575	5.22918	1.00891	0.96667	0.84s
1359	5.18215	5.39972	0.95971	0.83333	0.84s
1360	5.41415	5.44896	0.99361	0.90000	0.84s
1361	5.27164	5.12501	1.02861	1.00000	0.85s
1362	5.23170	5.25449	0.99566	0.93333	0.85s
1363	5.22392	5.16207	1.01198	1.00000	0.85s
1364	5.18059	5.20940	0.99447	0.93333	0.85s
1365	5.15556	5.08218	1.01444	1.00000	0.84s
1366	5.12725	5.13695	0.99811	1.00000	0.84s
1367	5.22335	5.18496	1.00740	0.96667	0.83s
1368	5.14364	5.17984	0.99301	0.93333	0.84s
1369	5.11698	5.09850	1.00362	1.00000	0.86s
1370	5.22540	5.27410	0.99077	0.93333	0.84s
1371	5.16226	5.10640	1.01094	0.96667	0.84s
1372	5.18791	5.41410	0.95822	0.90000	0.84s
1373	5.13930	5.16549	0.99493	0.93333	0.84s
1374	5.16735	5.05447	1.02233	1.00000	0.85s
1375	5.17711	5.29547	0.97765	0.93333	0.84s
1376	5.12978	5.14823	0.99642	0.96667	0.85s
1377	5.08783	5.09533	0.99853	1.00000	0.85s
1378	5.04601	5.11284	0.98693	0.96667	0.85s
1379	5.09890	5.11871	0.99613	0.96667	0.85s
1380	5.11603	5.31312	0.96291	0.93333	0.85s
1381	5.12495	5.10999	1.00293	0.93333	0.84s
1382	5.11311	5.26215	0.97168	0.96667	0.84s

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   1383       5.20890       5.03231       1.03509       1.00000  0.84s
   1384       5.07800       5.09754       0.99617       0.93333  0.85s
   1385       5.05663       5.21450       0.96973       0.90000  0.84s
   1386       5.05952       5.01530       1.00882       1.00000  0.85s
   1387       5.00987       5.06742       0.98864       0.96667  0.84s
   1388       5.08091       5.04543       1.00703       0.93333  0.84s
   1389       5.06264       5.27051       0.96056       0.90000  0.85s
   1390       5.12436       5.09701       1.00536       0.93333  0.84s
   1391       5.05357       5.03882       1.00293       0.96667  0.84s
   1392       5.01288       5.06293       0.99011       0.96667  0.85s
   1393       5.30212       5.01126       1.05804       0.96667  0.85s
   1394       5.04239       5.08956       0.99073       0.96667  0.84s
   1395       5.08115       5.08521       0.99920       0.96667  0.84s
   1396       4.98683       5.05733       0.98606       0.93333  0.85s
   1397       5.04851       4.95271       1.01934       0.96667  0.84s
   1398       5.04903       5.05544       0.99873       0.96667  0.86s
   1399       5.05680       4.92959       1.02581       1.00000  0.84s
   1400       5.01906       4.91763       1.02062       1.00000  0.85s
Regularization term: 4.89698648453
2016-07-02 16:13:39,051 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:13:44,736 - root - INFO - Duration of validation: 0:00:05
   1401       5.03768       5.05765       0.99605       0.93333  0.84s
   1402       5.01716       4.97137       1.00921       0.96667  0.85s
   1403       4.94948       5.04143       0.98176       0.93333  0.84s
   1404       5.03780       4.97275       1.01308       0.96667  0.83s
   1405       4.95705       4.94571       1.00229       0.96667  0.85s
   1406       4.97848       5.09072       0.97795       0.96667  0.84s
   1407       4.95019       4.93154       1.00378       0.96667  0.84s
   1408       4.98783       4.96684       1.00423       0.96667  0.85s
   1409       4.97242       5.02163       0.99020       0.96667  0.85s
   1410       4.89280       4.90847       0.99681       0.96667  0.84s
   1411       4.99027       5.10225       0.97805       0.93333  0.84s
   1412       4.94593       4.85504       1.01872       1.00000  0.84s
   1413       4.95299       4.84690       1.02189       1.00000  0.85s
   1414       4.97986       4.86010       1.02464       1.00000  0.84s
   1415       4.94874       4.89594       1.01078       0.96667  0.84s
   1416       5.00075       4.89241       1.02215       0.96667  0.85s
   1417       5.00241       4.82409       1.03696       1.00000  0.84s
   1418       5.00848       5.05769       0.99027       0.93333  0.84s
   1419       4.95224       4.99032       0.99237       0.93333  0.84s
   1420       4.88297       4.83695       1.00951       1.00000  0.85s
   1421       4.99848       4.87786       1.02473       0.93333  0.83s
   1422       4.88017       4.81210       1.01415       1.00000  0.84s
   1423       4.90107       4.97356       0.98543       0.86667  0.85s
   1424       4.90587       4.83565       1.01452       1.00000  0.84s
   1425       4.90827       4.92460       0.99668       0.96667  0.84s
   1426       4.99004       4.92085       1.01406       0.96667  0.85s
   1427       4.90204       4.82709       1.01553       0.96667  0.85s
   1428       4.86351       4.86525       0.99964       0.96667  0.85s
   1429       4.90280       4.82331       1.01648       1.00000  0.86s
   1430       4.97258       4.81193       1.03339       1.00000  0.85s
   1431       4.84013       4.96143       0.97555       0.90000  0.85s
   1432       4.82176       4.88740       0.98657       0.96667  0.84s
   1433       4.88697       4.76012       1.02665       1.00000  0.84s
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1434	4.84431	4.76364	1.01694	1.00000	0.83s
1435	4.93840	4.84775	1.01870	0.93333	0.85s
1436	4.80727	4.75795	1.01036	1.00000	0.84s
1437	4.77002	4.82409	0.98879	0.96667	0.84s
1438	4.79267	5.04436	0.95010	0.93333	0.84s
1439	4.79553	4.78899	1.00136	0.96667	0.84s
1440	4.86853	5.00494	0.97275	0.93333	0.85s
1441	4.87047	4.85871	1.00242	0.93333	0.85s
1442	4.90972	5.07424	0.96758	0.93333	0.84s
1443	4.76720	4.88959	0.97497	0.96667	0.84s
1444	4.87261	4.74537	1.02681	1.00000	0.84s
1445	4.79101	4.76694	1.00505	0.93333	0.85s
1446	4.83311	4.72217	1.02349	1.00000	0.85s
1447	4.86803	4.73123	1.02892	1.00000	0.84s
1448	4.79762	4.69438	1.02199	1.00000	0.85s
1449	4.74912	4.80452	0.98847	0.96667	0.85s
1450	4.75830	4.70842	1.01059	1.00000	0.84s
1451	4.75879	4.96761	0.95796	0.93333	0.84s
1452	4.79038	4.79674	0.99867	0.96667	0.84s
1453	4.86121	4.70678	1.03281	1.00000	0.85s
1454	4.76862	4.67255	1.02056	1.00000	0.85s
1455	4.72456	4.76240	0.99206	0.93333	0.84s
1456	4.67740	4.68390	0.99861	0.96667	0.84s
1457	4.75921	4.67927	1.01708	0.96667	0.85s
1458	4.67414	4.67586	0.99963	1.00000	0.84s
1459	4.74081	4.71069	1.00640	0.96667	0.84s
1460	4.74929	4.69181	1.01225	0.96667	0.84s
1461	4.66709	4.72737	0.98725	0.96667	0.83s
1462	4.99487	4.79280	1.04216	0.96667	0.83s
1463	4.70048	4.66812	1.00693	0.96667	0.84s
1464	4.84555	4.87677	0.99360	0.90000	0.85s
1465	4.62840	4.62595	1.00053	1.00000	0.85s
1466	4.71063	4.87029	0.96722	0.93333	0.85s
1467	4.79807	4.59857	1.04338	1.00000	0.84s
1468	4.66706	4.64799	1.00410	0.96667	0.85s
1469	4.72143	4.79841	0.98396	0.90000	0.84s
1470	4.67127	4.68433	0.99721	0.96667	0.84s
1471	4.73488	4.70812	1.00568	0.96667	0.84s
1472	4.69318	4.79422	0.97892	0.93333	0.84s
1473	4.71985	4.77667	0.98811	0.90000	0.84s
1474	4.71254	4.61886	1.02028	1.00000	0.84s
1475	4.75569	4.57935	1.03851	1.00000	0.85s
1476	4.65084	4.93189	0.94301	0.90000	0.84s
1477	4.78243	4.59030	1.04186	1.00000	0.84s
1478	4.86582	4.62645	1.05174	0.96667	0.84s
1479	4.62257	4.64180	0.99586	0.96667	0.84s
1480	4.72617	4.62291	1.02234	0.96667	0.83s
1481	4.67321	4.70744	0.99273	0.93333	0.86s
1482	4.61758	4.57521	1.00926	0.96667	0.85s
1483	4.70904	4.69711	1.00254	0.93333	0.84s
1484	4.59158	4.66230	0.98483	0.93333	0.85s
1485	4.65764	4.80360	0.96961	0.90000	0.84s
1486	4.67291	4.64981	1.00497	0.96667	0.84s
1487	4.59121	4.57582	1.00336	0.96667	0.84s

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   1488       4.74787       4.51205       1.05226       1.00000  0.85s
   1489       4.57075       4.63527       0.98608       0.96667  0.86s
   1490       4.58585       4.92764       0.93064       0.83333  0.85s
   1491       4.53532       4.73081       0.95868       0.90000  0.84s
   1492       4.68692       4.76781       0.98303       0.90000  0.84s
   1493       4.56812       4.49318       1.01668       1.00000  0.84s
   1494       4.61851       4.75482       0.97133       0.90000  0.84s
   1495       4.66956       5.00862       0.93230       0.93333  0.84s
   1496       4.52807       4.53512       0.99845       0.96667  0.85s
   1497       4.56112       4.75609       0.95901       0.90000  0.85s
   1498       4.54406       4.50410       1.00887       0.96667  0.85s
   1499       4.53113       4.47845       1.01176       1.00000  0.83s
   1500       4.60351       4.66663       0.98647       0.90000  0.85s
Regularization term: 4.43605422974
2016-07-02 16:15:16,262 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:15:22,040 - root - INFO - Duration of validation: 0:00:05
   1501       4.55721       5.18450       0.87901       0.90000  0.84s
   1502       4.47955       4.59605       0.97465       0.90000  0.84s
   1503       4.56101       4.80849       0.94853       0.86667  0.84s
   1504       4.68005       4.95546       0.94442       0.83333  0.85s
   1505       4.55330       4.46178       1.02051       0.96667  0.84s
   1506       4.55786       4.43969       1.02662       1.00000  0.84s
   1507       4.47487       4.47628       0.99969       0.96667  0.84s
   1508       4.54029       4.58738       0.98974       0.96667  0.84s
   1509       4.61234       4.43951       1.03893       1.00000  0.84s
   1510       4.42471       4.59830       0.96225       0.93333  0.84s
   1511       4.46141       4.47308       0.99739       0.96667  0.83s
   1512       4.44430       4.52182       0.98286       0.96667  0.84s
   1513       4.47127       4.52852       0.98736       0.96667  0.84s
   1514       4.55355       4.56319       0.99789       0.96667  0.84s
   1515       4.45285       4.40309       1.01130       1.00000  0.84s
   1516       4.52777       4.47279       1.01229       0.93333  0.84s
   1517       4.45256       4.46566       0.99707       0.96667  0.85s
   1518       4.45520       4.41896       1.00820       0.96667  0.84s
   1519       4.46644       4.41861       1.01082       1.00000  0.85s
   1520       4.59428       4.49968       1.02102       0.93333  0.86s
   1521       4.57607       4.38044       1.04466       1.00000  0.85s
   1522       4.55100       4.93646       0.92192       0.96667  0.84s
   1523       4.46981       4.54001       0.98454       0.96667  0.84s
   1524       4.39751       4.36629       1.00715       1.00000  0.86s
   1525       4.42385       4.80103       0.92144       0.96667  0.84s
   1526       4.44492       4.42379       1.00478       0.96667  0.83s
   1527       4.38515       4.37680       1.00191       1.00000  0.84s
   1528       4.50184       4.49629       1.00123       0.93333  0.84s
   1529       4.49079       4.33975       1.03480       1.00000  0.85s
   1530       4.63947       4.40030       1.05435       0.96667  0.84s
   1531       4.35297       4.36553       0.99712       0.96667  0.85s
   1532       4.40815       4.37734       1.00704       0.93333  0.84s
   1533       4.49108       4.38878       1.02331       0.96667  0.84s
   1534       4.33116       4.32544       1.00132       1.00000  0.84s
   1535       4.50552       4.58295       0.98310       0.93333  0.86s
   1536       4.36790       4.40332       0.99196       0.96667  0.86s
   1537       4.34050       4.45088       0.97520       0.96667  0.85s
   1538       4.32610       4.36301       0.99154       0.96667  0.84s
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1539	4.33155	4.37407	0.99028	0.96667	0.84s
1540	4.33206	4.48477	0.96595	0.93333	0.85s
1541	4.30544	4.35986	0.98752	0.96667	0.84s
1542	4.44334	4.52379	0.98222	0.86667	0.83s
1543	4.51218	4.36215	1.03439	0.96667	0.84s
1544	4.30314	4.37908	0.98266	0.96667	0.84s
1545	4.40639	4.30279	1.02408	0.96667	0.85s
1546	4.30190	4.25612	1.01076	1.00000	0.83s
1547	4.29151	4.35609	0.98517	0.96667	0.83s
1548	4.33744	4.51430	0.96082	0.93333	0.84s
1549	4.28939	4.47326	0.95890	0.96667	0.84s
1550	4.30199	4.33874	0.99153	0.93333	0.84s
1551	4.43101	4.36137	1.01597	0.96667	0.84s
1552	4.35674	4.29015	1.01552	0.96667	0.85s
1553	4.31640	4.29682	1.00456	0.96667	0.84s
1554	4.25198	4.24475	1.00170	1.00000	0.84s
1555	4.28358	4.30852	0.99421	0.96667	0.84s
1556	4.36992	4.29798	1.01674	0.96667	0.84s
1557	4.33391	4.47884	0.96764	0.96667	0.85s
1558	4.34618	4.24178	1.02461	0.96667	0.84s
1559	4.30798	4.42239	0.97413	0.90000	0.84s
1560	4.35333	4.35234	1.00023	0.96667	0.84s
1561	4.22465	4.20620	1.00438	1.00000	0.85s
1562	4.24153	4.21049	1.00737	1.00000	0.84s
1563	4.26015	4.40328	0.96750	0.93333	0.84s
1564	4.25333	4.28559	0.99247	0.96667	0.85s
1565	4.34279	4.23685	1.02500	0.96667	0.84s
1566	4.25317	4.22379	1.00695	0.96667	0.85s
1567	4.24415	4.17680	1.01613	1.00000	0.85s
1568	4.19881	4.16267	1.00868	1.00000	0.84s
1569	4.22171	4.32994	0.97500	0.90000	0.84s
1570	4.25649	4.22871	1.00657	0.96667	0.84s
1571	4.22529	4.18528	1.00956	1.00000	0.84s
1572	4.24040	4.14870	1.02210	1.00000	0.85s
1573	4.25188	4.22075	1.00738	1.00000	0.85s
1574	4.21136	4.20941	1.00046	0.96667	0.85s
1575	4.19348	4.14891	1.01074	1.00000	0.84s
1576	4.25794	4.41722	0.96394	0.93333	0.85s
1577	4.17873	4.29609	0.97268	0.90000	0.84s
1578	4.19464	4.26196	0.98420	0.93333	0.85s
1579	4.25575	4.15417	1.02445	1.00000	0.85s
1580	4.22410	4.13522	1.02149	1.00000	0.84s
1581	4.19500	4.14560	1.01192	0.96667	0.85s
1582	4.19222	4.17195	1.00486	0.96667	0.84s
1583	4.18692	4.25223	0.98464	0.96667	0.84s
1584	4.15761	4.23267	0.98227	0.93333	0.84s
1585	4.15631	4.09480	1.01502	1.00000	0.84s
1586	4.12677	4.09836	1.00693	1.00000	0.85s
1587	4.13422	4.19028	0.98662	0.93333	0.84s
1588	4.13321	4.11321	1.00486	0.96667	0.85s
1589	4.15213	4.13906	1.00316	1.00000	0.84s
1590	4.13538	4.15657	0.99490	0.93333	0.83s
1591	4.26342	4.15782	1.02540	0.96667	0.83s
1592	4.18163	4.10405	1.01890	0.96667	0.83s

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   1593       4.21090       4.06396       1.03616       1.00000  0.84s
   1594       4.13953       4.18751       0.98854       0.93333  0.85s
   1595       4.08181       4.10014       0.99553       0.96667  0.84s
   1596       4.08087       4.07175       1.00224       1.00000  0.85s
   1597       4.08050       4.10411       0.99425       0.96667  0.85s
   1598       4.06054       4.08839       0.99319       1.00000  0.84s
   1599       4.09617       4.12266       0.99357       0.96667  0.83s
   1600       4.19039       4.14578       1.01076       0.96667  0.84s
Regularization term: 4.0193734169
2016-07-02 16:16:53,441 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:16:58,209 - root - INFO - Duration of validation: 0:00:04
   1601       4.16730       4.03402       1.03304       1.00000  0.85s
   1602       4.10140       4.09095       1.00255       0.96667  0.84s
   1603       4.09373       4.02181       1.01788       1.00000  0.84s
   1604       4.10481       4.04655       1.01440       0.96667  0.84s
   1605       4.19400       4.17476       1.00461       0.93333  0.85s
   1606       4.15363       4.27410       0.97181       0.93333  0.85s
   1607       4.03762       4.25669       0.94854       0.96667  0.85s
   1608       4.08684       3.99630       1.02266       1.00000  0.85s
   1609       4.06434       4.02537       1.00968       1.00000  0.85s
   1610       4.00801       4.04080       0.99188       1.00000  0.84s
   1611       4.15754       4.17872       0.99493       0.93333  0.85s
   1612       4.03220       4.17419       0.96598       0.96667  0.84s
   1613       4.03061       4.04844       0.99560       0.96667  0.84s
   1614       4.10788       4.20121       0.97778       0.93333  0.84s
   1615       3.99408       4.01063       0.99587       1.00000  0.85s
   1616       4.05126       4.12034       0.98323       0.93333  0.84s
   1617       4.05921       4.04718       1.00297       0.96667  0.84s
   1618       4.01670       4.02612       0.99766       0.96667  0.85s
   1619       4.05545       4.04452       1.00270       0.96667  0.85s
   1620       4.00374       3.96910       1.00873       1.00000  0.85s
   1621       3.97510       4.21226       0.94370       0.96667  0.84s
   1622       4.01181       4.05326       0.98977       0.96667  0.84s
   1623       3.98642       3.96589       1.00518       1.00000  0.83s
   1624       4.00511       3.96616       1.00982       1.00000  0.84s
   1625       3.99920       4.01440       0.99621       1.00000  0.84s
   1626       3.95212       3.97140       0.99515       1.00000  0.84s
   1627       3.97375       4.15744       0.95582       0.93333  0.84s
   1628       4.09482       3.93712       1.04005       1.00000  0.84s
   1629       3.95197       4.07879       0.96891       0.96667  0.85s
   1630       3.93488       3.94848       0.99656       1.00000  0.83s
   1631       3.98643       3.91666       1.01781       1.00000  0.84s
   1632       3.93962       3.99512       0.98611       0.96667  0.85s
   1633       4.05042       3.91015       1.03587       1.00000  0.85s
   1634       3.97089       4.24623       0.93515       0.93333  0.84s
   1635       4.04740       3.93182       1.02940       1.00000  0.84s
   1636       4.00327       4.18829       0.95582       0.93333  0.84s
   1637       3.90167       4.10698       0.95001       0.93333  0.84s
   1638       3.89744       3.91362       0.99587       1.00000  0.84s
   1639       3.95765       3.96964       0.99698       0.93333  0.84s
   1640       3.91765       3.89137       1.00675       1.00000  0.83s
   1641       3.93804       3.98639       0.98787       0.96667  0.85s
   1642       3.93542       4.03823       0.97454       0.96667  0.85s
   1643       4.00301       3.86872       1.03471       1.00000  0.84s
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1644	3.98640	4.07782	0.97758	0.93333	0.84s
1645	3.90925	4.08335	0.95736	0.96667	0.83s
1646	3.96437	4.04610	0.97980	0.93333	0.84s
1647	3.95592	3.92064	1.00900	1.00000	0.84s
1648	3.89160	4.01835	0.96846	0.90000	0.84s
1649	3.87814	3.89012	0.99692	1.00000	0.85s
1650	3.93706	3.90791	1.00746	0.96667	0.84s
1651	3.86219	3.86258	0.99990	1.00000	0.84s
1652	3.86066	3.85107	1.00249	1.00000	0.85s
1653	3.87305	3.88265	0.99753	1.00000	0.85s
1654	3.89788	3.94452	0.98818	0.96667	0.84s
1655	3.91279	3.86294	1.01291	1.00000	0.84s
1656	3.85960	3.90426	0.98856	0.96667	0.85s
1657	3.93530	3.86459	1.01830	1.00000	0.85s
1658	3.84180	3.82111	1.00541	1.00000	0.84s
1659	3.89339	3.86864	1.00640	0.96667	0.85s
1660	3.94314	3.91318	1.00766	0.90000	0.84s
1661	3.88812	3.81237	1.01987	1.00000	0.84s
1662	3.81237	4.11596	0.92624	0.96667	0.84s
1663	3.90383	3.89641	1.00191	0.96667	0.85s
1664	3.84851	3.90533	0.98545	0.96667	0.85s
1665	3.94052	3.87395	1.01718	0.96667	0.85s
1666	3.83309	3.91865	0.97817	0.93333	0.84s
1667	3.87840	3.90199	0.99395	0.96667	0.84s
1668	3.81792	3.78822	1.00784	1.00000	0.85s
1669	3.83462	3.81864	1.00419	0.96667	0.84s
1670	3.80560	3.79411	1.00303	1.00000	0.85s
1671	3.82882	3.84082	0.99688	0.96667	0.85s
1672	3.95727	3.79596	1.04250	1.00000	0.85s
1673	3.79586	4.17068	0.91013	0.93333	0.84s
1674	4.27062	3.76042	1.13568	1.00000	0.84s
1675	3.75971	3.76082	0.99970	1.00000	0.84s
1676	3.83008	3.74273	1.02334	1.00000	0.83s
1677	3.80501	3.81044	0.99857	0.96667	0.84s
1678	3.77096	3.75813	1.00341	1.00000	0.84s
1679	3.77770	3.75602	1.00577	0.96667	0.84s
1680	3.73731	3.75095	0.99636	1.00000	0.84s
1681	3.83430	3.99710	0.95927	0.83333	0.84s
1682	3.80992	3.79917	1.00283	0.96667	0.85s
1683	3.82799	3.73155	1.02584	1.00000	0.84s
1684	3.82123	3.73064	1.02428	1.00000	0.85s
1685	3.73790	3.79525	0.98489	0.96667	0.84s
1686	3.80767	3.79289	1.00390	0.93333	0.85s
1687	3.73231	3.74503	0.99660	0.96667	0.83s
1688	3.75560	3.74358	1.00321	1.00000	0.85s
1689	3.70666	3.73332	0.99286	1.00000	0.84s
1690	3.77371	3.69162	1.02224	1.00000	0.85s
1691	3.72004	3.76972	0.98682	0.93333	0.84s
1692	3.75567	3.73096	1.00663	0.96667	0.85s
1693	3.78408	3.69539	1.02400	1.00000	0.85s
1694	3.70312	3.68685	1.00441	1.00000	0.85s
1695	3.74225	3.77288	0.99188	0.90000	0.84s
1696	3.79740	3.68630	1.03014	1.00000	0.84s
1697	3.80704	3.66602	1.03847	1.00000	0.84s

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   1698       3.81395       3.72426       1.02408       0.96667  0.85s
   1699       3.75559       3.69924       1.01523       0.96667  0.84s
   1700       3.75894       3.86139       0.97347       0.93333  0.84s
Regularization term: 3.64301037788
2016-07-02 16:18:30,726 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 16:18:35,244 - root - INFO - Duration of validation: 0:00:04
   1701       3.71892       3.82583       0.97206       0.96667  0.85s
   1702       3.74416       3.85907       0.97022       0.93333  0.84s
   1703       3.71333       3.69742       1.00430       1.00000  0.84s
   1704       3.73720       3.96076       0.94356       0.93333  0.84s
   1705       3.72784       3.68661       1.01118       0.96667  0.84s
   1706       3.70819       3.80300       0.97507       0.93333  0.84s
   1707       3.70123       3.69689       1.00117       0.96667  0.85s
   1708       3.66816       3.81781       0.96080       0.96667  0.84s
   1709       3.69608       3.65070       1.01243       1.00000  0.84s
   1710       3.67370       3.70734       0.99093       0.93333  0.85s
   1711       3.67513       3.63502       1.01103       1.00000  0.84s
   1712       3.70126       3.62226       1.02181       1.00000  0.84s
   1713       3.73253       3.74509       0.99665       0.96667  0.85s
   1714       3.70748       3.75273       0.98794       0.93333  0.84s
   1715       3.64476       3.61521       1.00817       1.00000  0.83s
   1716       3.72661       3.64436       1.02257       0.96667  0.84s
   1717       3.67958       4.09301       0.89899       0.90000  0.85s
   1718       3.75196       3.68969       1.01688       0.96667  0.84s
   1719       3.70265       3.86835       0.95717       0.83333  0.83s
   1720       3.62740       3.64340       0.99561       0.96667  0.85s
   1721       3.71697       3.62522       1.02531       1.00000  0.84s
   1722       3.62032       3.94538       0.91761       0.96667  0.85s
   1723       3.61244       3.58555       1.00750       1.00000  0.84s
   1724       3.66582       3.69666       0.99166       0.96667  0.84s
   1725       3.62019       3.69782       0.97900       0.96667  0.85s
   1726       3.65086       3.61127       1.01096       0.96667  0.84s
   1727       3.67639       3.59423       1.02286       1.00000  0.84s
   1728       3.59079       3.79954       0.94506       0.93333  0.85s
   1729       3.66142       3.58851       1.02032       1.00000  0.85s
   1730       3.63371       3.71669       0.97767       0.96667  0.85s
   1731       3.61092       3.57883       1.00896       1.00000  0.83s
   1732       3.73137       3.57152       1.04476       1.00000  0.85s
   1733       3.73512       3.82888       0.97551       0.93333  0.84s
   1734       3.68006       3.60250       1.02153       1.00000  0.84s
   1735       3.57968       4.04295       0.88541       0.86667  0.84s
   1736       3.60989       3.57609       1.00945       0.96667  0.84s
   1737       3.55976       3.59068       0.99139       1.00000  0.85s
   1738       3.65150       3.55030       1.02850       1.00000  0.84s
   1739       3.62034       3.78247       0.95714       0.93333  0.83s
   1740       3.67418       3.60326       1.01968       0.96667  0.85s
   1741       3.58824       3.61190       0.99345       0.93333  0.85s
   1742       3.58569       3.75906       0.95388       0.90000  0.84s
   1743       3.69166       3.57980       1.03125       1.00000  0.84s
   1744       3.59274       3.62122       0.99213       0.93333  0.85s
   1745       3.53211       3.52781       1.00122       1.00000  0.84s
   1746       3.65403       3.54398       1.03105       0.96667  0.85s
   1747       3.69937       3.52866       1.04838       1.00000  0.84s
   1748       3.51927       3.57388       0.98472       0.96667  0.85s
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   1749       3.53043       3.52797       1.00070       0.96667  0.84s
   1750       3.56560       3.70719       0.96180       0.93333  0.83s
   1751       3.59064       3.57024       1.00571       0.93333  0.83s
   1752       3.55321       3.63754       0.97682       0.93333  0.84s
   1753       3.61246       3.63513       0.99376       0.93333  0.85s
   1754       3.51081       3.80646       0.92233       0.90000  0.84s
   1755       3.53726       3.51519       1.00628       0.96667  0.85s
   1756       3.52879       3.48031       1.01393       1.00000  0.84s
   1757       3.67343       3.47834       1.05609       1.00000  0.84s
   1758       3.63346       3.46379       1.04898       1.00000  0.85s
   1759       3.50236       3.67930       0.95191       0.93333  0.84s
   1760       3.65453       3.46452       1.05484       1.00000  0.85s
   1761       3.57942       3.48296       1.02770       1.00000  0.85s
   1762       3.51210       3.47851       1.00965       1.00000  0.84s
   1763       3.55872       3.51009       1.01386       1.00000  0.85s
   1764       3.46869       3.51445       0.98698       0.93333  0.84s
   1765       3.51977       3.56511       0.98728       0.96667  0.85s
   1766       3.47014       3.43347       1.01068       1.00000  0.84s
   1767       3.46969       3.59453       0.96527       0.96667  0.84s
   1768       3.50489       3.46144       1.01255       1.00000  0.85s
   1769       3.62187       3.52633       1.02709       0.96667  0.85s
   1770       3.50314       3.42766       1.02202       1.00000  0.84s
   1771       3.53752       3.49309       1.01272       0.96667  0.85s
   1772       3.49619       3.44819       1.01392       1.00000  0.85s
   1773       3.44019       3.42902       1.00326       1.00000  0.84s
   1774       3.55054       3.60533       0.98480       0.93333  0.84s
   1775       3.45832       3.49751       0.98879       0.96667  0.85s
   1776       3.51847       3.51227       1.00177       0.93333  0.85s
   1777       3.46084       3.62321       0.95519       0.93333  0.85s
   1778       3.52235       3.47921       1.01240       0.96667  0.85s
   1779       3.45729       3.47169       0.99585       0.93333  0.84s
   1780       3.43732       3.48141       0.98733       0.96667  0.85s
   1781       3.45427       3.40144       1.01553       1.00000  0.85s
   1782       3.44638       3.40569       1.01195       1.00000  0.84s
   1783       3.48680       3.37917       1.03185       1.00000  0.84s
   1784       3.44969       3.42964       1.00584       1.00000  0.85s
   1785       3.45996       3.44652       1.00390       0.93333  0.84s
   1786       3.44811       3.43179       1.00476       0.96667  0.85s
   1787       3.53834       3.66468       0.96552       0.93333  0.84s
   1788       3.44808       3.38023       1.02007       1.00000  0.85s
   1789       3.36733       3.35241       1.00445       1.00000  0.84s
   1790       3.37599       3.38645       0.99691       1.00000  0.84s
   1791       3.36641       3.37405       0.99774       1.00000  0.84s
   1792       3.40101       3.37761       1.00693       0.96667  0.84s
   1793       3.41425       3.42519       0.99681       0.96667  0.85s
   1794       3.38716       3.52564       0.96072       0.90000  0.84s
   1795       3.41398       3.47234       0.98319       0.93333  0.84s
   1796       3.52494       3.35130       1.05181       1.00000  0.84s
   1797       3.43962       3.42330       1.00477       0.96667  0.85s
   1798       3.37654       3.56301       0.94767       0.96667  0.84s
   1799       3.52625       3.61647       0.97505       0.86667  0.84s
   1800       3.38869       3.65861       0.92623       0.90000  0.85s
Regularization term: 3.30265402794
2016-07-02 16:20:07,746 - root - INFO - Duration of saving to disk: 0:00:06
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2016-07-02 16:20:12,268 - root - INFO - Duration of validation: 0:00:04
   1801       3.37635       3.46453       0.97455       0.96667  0.87s
   1802       3.41652       3.33179       1.02543       1.00000  0.85s
   1803       3.35370       3.46731       0.96723       0.93333  0.84s
   1804       3.38108       3.52493       0.95919       0.93333  0.85s
   1805       3.38995       3.42573       0.98956       0.93333  0.84s
   1806       3.38097       3.30593       1.02270       1.00000  0.84s
   1807       3.37426       3.45330       0.97711       0.93333  0.84s
   1808       3.29813       3.49126       0.94468       0.93333  0.84s
   1809       3.44172       3.31196       1.03918       1.00000  0.85s
   1810       3.42939       3.40170       1.00814       0.96667  0.85s
   1811       3.32371       3.55957       0.93374       0.90000  0.84s
   1812       3.39837       3.33638       1.01858       0.96667  0.85s
   1813       3.40434       3.49652       0.97364       0.93333  0.84s
   1814       3.34875       3.34990       0.99966       0.96667  0.84s
   1815       3.43589       3.39621       1.01168       0.93333  0.85s
   1816       3.39282       3.36447       1.00843       0.93333  0.85s
   1817       3.36475       3.27015       1.02893       1.00000  0.84s
   1818       3.38079       3.27926       1.03096       1.00000  0.84s
   1819       3.42298       3.37374       1.01460       0.96667  0.86s
   1820       3.29464       3.53738       0.93138       0.93333  0.85s
   1821       3.44243       3.31031       1.03991       0.96667  0.84s
   1822       3.33406       3.26865       1.02001       1.00000  0.84s
   1823       3.36595       3.28043       1.02607       0.96667  0.85s
   1824       3.36186       3.38712       0.99254       0.96667  0.85s
   1825       3.33025       3.36381       0.99002       0.96667  0.84s
   1826       3.28076       3.37795       0.97123       0.93333  0.84s
   1827       3.29735       3.28831       1.00275       1.00000  0.84s
   1828       3.24889       3.26750       0.99430       0.96667  0.84s
   1829       3.28371       3.31560       0.99038       0.96667  0.84s
   1830       3.27098       3.43563       0.95208       0.96667  0.84s
   1831       3.28561       3.26557       1.00614       0.96667  0.83s
   1832       3.26269       3.23809       1.00760       0.96667  0.86s
   1833       3.31402       3.29189       1.00672       0.96667  0.85s
   1834       3.31540       3.29585       1.00593       0.96667  0.85s
   1835       3.26512       3.28424       0.99418       0.96667  0.83s
   1836       3.41702       3.22384       1.05992       1.00000  0.84s
   1837       3.23095       3.26467       0.98967       0.96667  0.84s
   1838       3.23516       3.33830       0.96910       0.96667  0.85s
   1839       3.29801       3.23523       1.01941       1.00000  0.84s
   1840       3.25454       3.22491       1.00919       1.00000  0.84s
   1841       3.47479       3.20799       1.08317       1.00000  0.84s
   1842       3.31131       3.22764       1.02592       1.00000  0.85s
   1843       3.21491       3.20683       1.00252       1.00000  0.83s
   1844       3.30512       3.23299       1.02231       0.96667  0.85s
   1845       3.18690       3.40568       0.93576       0.93333  0.85s
   1846       3.20732       3.19036       1.00531       1.00000  0.84s
   1847       3.26246       3.18679       1.02374       1.00000  0.85s
   1848       3.23654       3.18045       1.01763       1.00000  0.85s
   1849       3.19881       3.18403       1.00464       1.00000  0.85s
   1850       3.22201       3.33411       0.96638       0.96667  0.85s
   1851       3.37996       3.22989       1.04646       0.96667  0.84s
   1852       3.29669       3.16492       1.04163       1.00000  0.83s
   1853       3.25384       3.25119       1.00081       0.96667  0.85s
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   1854       3.22239       3.26093       0.98818       0.93333  0.84s
   1855       3.19477       3.34593       0.95482       0.90000  0.84s
   1856       3.21755       3.25953       0.98712       0.93333  0.84s
   1857       3.20903       3.29556       0.97374       0.93333  0.85s
   1858       3.18414       3.28098       0.97049       0.96667  0.85s
   1859       3.35286       3.21942       1.04145       0.93333  0.84s
   1860       3.23857       3.14184       1.03079       1.00000  0.84s
   1861       3.16488       3.20534       0.98738       0.96667  0.84s
   1862       3.28762       3.28203       1.00170       0.93333  0.83s
   1863       3.16950       3.20475       0.98900       0.96667  0.84s
   1864       3.17983       3.13557       1.01412       1.00000  0.85s
   1865       3.17985       3.29933       0.96379       0.86667  0.85s
   1866       3.15818       3.28723       0.96074       0.90000  0.84s
   1867       3.24065       3.15688       1.02653       0.96667  0.84s
   1868       3.18556       3.29879       0.96568       0.90000  0.83s
   1869       3.15304       3.28043       0.96117       0.96667  0.85s
   1870       3.16455       3.32893       0.95062       0.90000  0.83s
   1871       3.16151       3.20219       0.98729       0.96667  0.83s
   1872       3.24237       3.33229       0.97302       0.90000  0.85s
   1873       3.14811       3.14735       1.00024       0.96667  0.85s
   1874       3.18394       3.24528       0.98110       0.90000  0.85s
   1875       3.14207       3.29726       0.95294       0.93333  0.85s
   1876       3.17299       3.10346       1.02240       1.00000  0.84s
   1877       3.18294       3.28056       0.97024       0.90000  0.84s
   1878       3.08944       3.15315       0.97980       0.96667  0.84s
   1879       3.11345       3.09535       1.00585       0.96667  0.85s
   1880       3.20294       3.13788       1.02073       0.96667  0.84s
   1881       3.20725       3.12210       1.02727       0.96667  0.83s
   1882       3.21669       3.14137       1.02398       0.96667  0.83s
   1883       3.21290       3.15953       1.01689       0.96667  0.85s
   1884       3.16530       3.05963       1.03454       1.00000  0.85s
   1885       3.12784       3.12514       1.00086       0.96667  0.84s
   1886       3.11755       3.17634       0.98149       0.96667  0.85s
   1887       3.08769       3.09877       0.99642       0.96667  0.85s
   1888       3.11054       3.08288       1.00897       0.96667  0.85s
   1889       3.17293       3.15791       1.00476       0.96667  0.84s
   1890       3.10309       3.04320       1.01968       1.00000  0.85s
   1891       3.13401       3.19356       0.98135       0.93333  0.85s
   1892       3.09076       3.06255       1.00921       0.96667  0.85s
   1893       3.05599       3.04421       1.00387       1.00000  0.84s
   1894       3.10979       3.46177       0.89832       0.86667  0.85s
   1895       3.08600       3.04591       1.01316       1.00000  0.85s
   1896       3.04801       3.05040       0.99922       0.96667  0.85s
   1897       3.15613       3.21126       0.98283       0.96667  0.85s
   1898       3.06137       3.04085       1.00675       1.00000  0.85s
   1899       3.11127       3.08464       1.00863       0.96667  0.84s
   1900       3.20869       3.04474       1.05385       0.96667  0.86s
Regularization term: 2.9973077774
2016-07-02 16:21:46,279 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 16:21:50,797 - root - INFO - Duration of validation: 0:00:04
   1901       3.03559       3.20033       0.94852       0.96667  0.84s
   1902       3.03011       3.13147       0.96763       0.96667  0.84s
   1903       3.07640       3.03429       1.01388       1.00000  0.84s
   1904       3.03579       3.07769       0.98639       1.00000  0.83s
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1905	3.00320	3.02675	0.99222	0.96667	0.85s
1906	3.05646	3.03713	1.00636	1.00000	0.85s
1907	3.00451	3.06601	0.97994	1.00000	0.84s
1908	3.03576	2.98505	1.01699	1.00000	0.84s
1909	3.07543	3.02891	1.01536	1.00000	0.84s
1910	3.10342	3.03065	1.02401	1.00000	0.84s
1911	3.05377	3.06562	0.99613	0.96667	0.84s
1912	3.11939	3.22961	0.96587	0.90000	0.85s
1913	2.98680	2.97387	1.00435	1.00000	0.84s
1914	3.04390	3.04473	0.99973	0.96667	0.84s
1915	3.03721	3.02196	1.00505	0.96667	0.84s
1916	3.08095	2.99142	1.02993	1.00000	0.84s
1917	3.04406	3.03324	1.00357	0.96667	0.84s
1918	2.97837	3.21571	0.92620	0.93333	0.84s
1919	3.12331	2.98495	1.04635	1.00000	0.84s
1920	3.02470	2.95681	1.02296	1.00000	0.84s
1921	2.98826	3.00003	0.99608	1.00000	0.85s
1922	2.97671	2.94448	1.01094	1.00000	0.84s
1923	2.97422	2.97281	1.00047	1.00000	0.84s
1924	2.95908	2.97271	0.99541	0.96667	0.84s
1925	2.94678	3.19452	0.92245	0.93333	0.84s
1926	2.97228	2.97629	0.99865	1.00000	0.85s
1927	3.02295	3.27885	0.92195	0.90000	0.84s
1928	3.00640	3.01897	0.99584	0.96667	0.85s
1929	3.02842	2.94407	1.02865	1.00000	0.85s
1930	2.99092	2.99538	0.99851	0.96667	0.84s
1931	2.98642	2.96009	1.00889	1.00000	0.84s
1932	2.99307	2.95209	1.01388	1.00000	0.84s
1933	2.98616	2.95871	1.00928	1.00000	0.84s
1934	3.08716	2.91766	1.05809	1.00000	0.85s
1935	2.96055	2.98814	0.99077	0.96667	0.84s
1936	2.94295	3.05493	0.96335	0.96667	0.84s
1937	2.98184	2.91601	1.02257	1.00000	0.85s
1938	2.93112	2.92054	1.00362	1.00000	0.84s
1939	2.96613	2.89606	1.02419	1.00000	0.84s
1940	2.92000	3.10840	0.93939	0.93333	0.84s
1941	2.97712	2.91026	1.02297	1.00000	0.85s
1942	2.94799	3.00022	0.98259	0.96667	0.84s
1943	2.96481	2.88884	1.02630	1.00000	0.84s
1944	2.90375	3.02984	0.95838	0.96667	0.85s
1945	2.92294	2.93314	0.99652	1.00000	0.85s
1946	2.94580	3.03749	0.96981	0.93333	0.85s
1947	2.94717	2.90589	1.01421	1.00000	0.86s
1948	2.90961	2.95978	0.98305	0.96667	0.83s
1949	2.92676	2.86942	1.01998	1.00000	0.84s
1950	2.90778	2.96055	0.98218	0.93333	0.84s
1951	2.99992	2.86787	1.04604	1.00000	0.85s
1952	2.95679	2.86158	1.03327	1.00000	0.84s
1953	2.93862	2.89756	1.01417	1.00000	0.84s
1954	2.87537	2.87692	0.99946	1.00000	0.83s
1955	3.05127	2.94198	1.03715	0.93333	0.84s
1956	2.87627	2.93725	0.97924	0.96667	0.85s
1957	2.93156	2.86264	1.02408	1.00000	0.84s
1958	2.88510	3.03845	0.94953	0.96667	0.84s

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   1959       2.87310       3.00769       0.95525       0.93333  0.84s
   1960       2.91735       2.86514       1.01822       1.00000  0.84s
   1961       2.85820       2.95295       0.96791       0.93333  0.84s
   1962       2.84421       2.84388       1.00012       1.00000  0.84s
   1963       2.96140       2.85360       1.03777       1.00000  0.84s
   1964       2.97444       2.92495       1.01692       0.96667  0.85s
   1965       2.85976       2.83457       1.00889       1.00000  0.84s
   1966       2.87285       2.82750       1.01604       1.00000  0.84s
   1967       2.89633       2.98653       0.96980       0.90000  0.84s
   1968       2.84539       2.89751       0.98201       0.96667  0.84s
   1969       2.83545       2.91194       0.97373       0.93333  0.85s
   1970       2.85262       2.92719       0.97453       0.96667  0.84s
   1971       2.91264       2.95066       0.98712       0.96667  0.84s
   1972       2.86791       2.86455       1.00117       0.96667  0.85s
   1973       2.88861       2.86957       1.00663       0.96667  0.84s
   1974       2.82609       2.89042       0.97774       0.96667  0.83s
   1975       2.83682       2.89923       0.97847       0.93333  0.84s
   1976       2.82028       2.95757       0.95358       0.93333  0.85s
   1977       2.84256       2.79200       1.01811       1.00000  0.85s
   1978       2.85903       2.84820       1.00380       0.96667  0.85s
   1979       2.80446       2.89491       0.96876       0.96667  0.85s
   1980       2.87831       2.79350       1.03036       1.00000  0.85s
   1981       2.78703       2.82147       0.98779       0.96667  0.84s
   1982       2.81759       2.85461       0.98703       0.96667  0.84s
   1983       2.86277       2.78055       1.02957       1.00000  0.84s
   1984       2.79958       2.86738       0.97635       0.96667  0.84s
   1985       2.80389       2.79063       1.00475       1.00000  0.84s
   1986       2.85943       2.84529       1.00497       0.96667  0.85s
   1987       2.81944       2.76856       1.01838       1.00000  0.85s
   1988       2.79128       2.80950       0.99351       1.00000  0.85s
   1989       2.98346       2.87645       1.03720       0.96667  0.85s
   1990       2.83055       2.84532       0.99481       0.96667  0.85s
   1991       2.78425       2.87300       0.96911       0.96667  0.84s
   1992       2.81902       2.95305       0.95461       0.93333  0.85s
   1993       2.77624       2.89770       0.95809       0.96667  0.85s
   1994       2.82515       2.83554       0.99634       0.96667  0.85s
   1995       2.78658       2.80828       0.99227       0.96667  0.84s
   1996       3.01356       3.03069       0.99435       0.93333  0.85s
   1997       2.79096       2.84042       0.98259       0.93333  0.85s
   1998       2.84367       2.79209       1.01847       0.96667  0.85s
   1999       2.80954       2.73959       1.02553       1.00000  0.84s
   2000       2.79660       2.80766       0.99606       0.96667  0.84s
Regularization term: 2.72212982178
2016-07-02 16:23:23,316 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 16:23:27,793 - root - INFO - Duration of validation: 0:00:04
   2001       2.80332       2.76587       1.01354       1.00000  0.84s
   2002       2.73793       2.75360       0.99431       1.00000  0.85s
   2003       2.90852       2.77423       1.04841       1.00000  0.85s
   2004       2.79837       2.73522       1.02309       1.00000  0.83s
   2005       2.74653       2.79452       0.98282       0.96667  0.84s
   2006       2.87485       2.76031       1.04149       0.96667  0.84s
   2007       2.80075       2.88389       0.97117       0.96667  0.84s
   2008       2.75414       2.73005       1.00882       1.00000  0.84s
   2009       2.86079       2.87889       0.99372       0.93333  0.86s
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2010	2.76132	2.70820	1.01961	1.00000	0.85s
2011	2.72115	2.74547	0.99114	1.00000	0.84s
2012	2.73585	2.77544	0.98573	1.00000	0.84s
2013	2.73524	2.75962	0.99116	0.96667	0.84s
2014	2.77749	2.76002	1.00633	0.96667	0.83s
2015	2.86588	2.85182	1.00493	0.93333	0.84s
2016	2.79794	2.78003	1.00644	0.96667	0.85s
2017	2.81036	2.79845	1.00426	0.93333	0.84s
2018	2.80733	2.78230	1.00900	0.96667	0.83s
2019	2.72654	2.71425	1.00453	1.00000	0.85s
2020	2.78272	2.69265	1.03345	1.00000	0.85s
2021	2.70357	2.75319	0.98197	0.96667	0.84s
2022	2.81440	2.74124	1.02669	0.96667	0.84s
2023	2.74003	2.77254	0.98827	0.96667	0.84s
2024	2.72432	2.68759	1.01367	1.00000	0.84s
2025	2.68953	2.67847	1.00413	1.00000	0.85s
2026	2.81481	2.77897	1.01290	0.93333	0.84s
2027	2.69238	2.69654	0.99846	1.00000	0.86s
2028	2.73751	2.93900	0.93144	0.93333	0.85s
2029	2.69003	2.71583	0.99050	1.00000	0.85s
2030	2.77323	2.67010	1.03862	1.00000	0.85s
2031	2.67177	2.88050	0.92754	0.96667	0.86s
2032	2.71187	2.67718	1.01296	1.00000	0.85s
2033	2.73406	2.76071	0.99035	0.93333	0.86s
2034	2.76318	2.69700	1.02454	0.96667	0.84s
2035	2.70415	2.82150	0.95841	0.93333	0.84s
2036	2.71981	2.67019	1.01858	1.00000	0.85s
2037	2.69484	2.84661	0.94668	0.96667	0.85s
2038	2.71719	2.66368	1.02009	0.96667	0.84s
2039	2.66429	2.66135	1.00111	1.00000	0.84s
2040	2.66755	2.70535	0.98603	1.00000	0.85s
2041	2.68205	2.67919	1.00107	0.96667	0.85s
2042	2.65735	2.97637	0.89282	0.86667	0.84s
2043	2.71134	2.64402	1.02546	1.00000	0.85s
2044	2.66703	2.66890	0.99930	0.96667	0.86s
2045	2.65739	2.63849	1.00716	1.00000	0.85s
2046	2.66114	2.66759	0.99758	0.96667	0.83s
2047	2.68528	2.62583	1.02264	1.00000	0.84s
2048	2.62984	2.62299	1.00261	1.00000	0.84s
2049	2.63159	2.64494	0.99495	1.00000	0.84s
2050	2.66527	2.62731	1.01444	1.00000	0.84s
2051	2.62328	2.66603	0.98396	0.96667	0.84s
2052	2.65458	2.60554	1.01882	1.00000	0.84s
2053	2.62702	2.59864	1.01092	1.00000	0.85s
2054	2.71775	2.64607	1.02709	0.96667	0.85s
2055	2.64590	2.62087	1.00955	1.00000	0.83s
2056	2.61143	2.60855	1.00110	1.00000	0.85s
2057	2.67466	2.60664	1.02609	1.00000	0.85s
2058	2.66216	2.64422	1.00678	0.96667	0.84s
2059	2.67999	2.60028	1.03065	1.00000	0.83s
2060	2.61137	2.57417	1.01445	1.00000	0.84s
2061	2.59912	2.64270	0.98351	0.96667	0.83s
2062	2.72360	2.74120	0.99358	0.96667	0.84s
2063	2.61392	2.59701	1.00651	1.00000	0.84s

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   2064       2.63469       2.66315       0.98932       0.93333  0.84s
   2065       2.58906       2.57973       1.00361       1.00000  0.84s
   2066       2.61520       2.68274       0.97482       0.96667  0.84s
   2067       2.65420       2.58696       1.02599       1.00000  0.84s
   2068       2.59179       2.82630       0.91703       0.93333  0.83s
   2069       2.59241       2.64252       0.98104       0.96667  0.84s
   2070       2.62924       2.57093       1.02268       1.00000  0.86s
   2071       2.56133       2.56129       1.00002       1.00000  0.84s
   2072       2.64268       2.65236       0.99635       0.96667  0.85s
   2073       2.73570       2.67275       1.02355       0.93333  0.85s
   2074       2.63241       2.61595       1.00629       0.96667  0.85s
   2075       2.58397       2.56764       1.00636       1.00000  0.85s
   2076       2.69757       2.53940       1.06228       1.00000  0.83s
   2077       2.59602       2.62649       0.98840       0.93333  0.85s
   2078       2.68584       2.57003       1.04506       1.00000  0.84s
   2079       2.60805       2.53905       1.02718       1.00000  0.85s
   2080       2.62304       2.61697       1.00232       0.96667  0.85s
   2081       2.61611       2.57004       1.01792       0.96667  0.85s
   2082       2.57766       2.53519       1.01675       1.00000  0.84s
   2083       2.59932       2.60862       0.99643       0.96667  0.84s
   2084       2.58193       2.60676       0.99047       0.96667  0.84s
   2085       2.57100       2.54872       1.00874       1.00000  0.84s
   2086       2.56835       2.53618       1.01268       1.00000  0.84s
   2087       2.59165       2.56303       1.01117       1.00000  0.83s
   2088       2.54947       2.58258       0.98718       0.96667  0.84s
   2089       2.53796       2.58967       0.98003       0.93333  0.84s
   2090       2.59495       2.54508       1.01959       1.00000  0.84s
   2091       2.65284       2.51954       1.05291       1.00000  0.84s
   2092       2.60555       2.51553       1.03579       1.00000  0.84s
   2093       2.57170       2.53669       1.01380       0.96667  0.84s
   2094       2.54606       2.61266       0.97451       0.93333  0.84s
   2095       2.53983       2.52237       1.00692       1.00000  0.84s
   2096       2.53030       2.61212       0.96868       0.96667  0.85s
   2097       2.55946       2.51142       1.01913       1.00000  0.84s
   2098       2.60052       2.49384       1.04277       1.00000  0.85s
   2099       2.59613       2.52207       1.02936       1.00000  0.83s
   2100       2.50019       2.63645       0.94832       0.96667  0.83s
Regularization term: 2.47290468216
2016-07-02 16:24:59,199 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:25:04,722 - root - INFO - Duration of validation: 0:00:05
   2101       2.54806       2.63990       0.96521       0.93333  0.84s
   2102       2.57274       2.50622       1.02654       1.00000  0.84s
   2103       2.53511       2.48454       1.02035       1.00000  0.84s
   2104       2.50664       2.48496       1.00872       1.00000  0.83s
   2105       2.51505       2.49084       1.00972       1.00000  0.84s
   2106       2.50731       2.59942       0.96457       0.93333  0.85s
   2107       2.50853       2.55789       0.98070       0.96667  0.84s
   2108       2.48168       2.47631       1.00217       1.00000  0.84s
   2109       2.61871       2.56947       1.01916       0.93333  0.84s
   2110       2.51004       2.52014       0.99599       0.96667  0.84s
   2111       2.51405       2.72219       0.92354       0.96667  0.84s
   2112       2.60857       2.45196       1.06387       1.00000  0.84s
   2113       2.51309       2.50090       1.00487       1.00000  0.85s
   2114       2.47949       2.45697       1.00917       1.00000  0.84s
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2115	2.45844	2.45655	1.00077	1.00000	0.85s
2116	2.47624	2.46048	1.00641	1.00000	0.85s
2117	2.66596	2.70483	0.98563	0.93333	0.85s
2118	2.50248	2.45836	1.01795	1.00000	0.84s
2119	2.46631	2.46276	1.00144	1.00000	0.84s
2120	2.50872	2.56629	0.97757	0.96667	0.84s
2121	2.53164	2.62174	0.96563	0.96667	0.85s
2122	2.46700	2.60613	0.94662	0.96667	0.85s
2123	2.45898	2.47273	0.99444	1.00000	0.85s
2124	2.48618	2.51926	0.98687	0.96667	0.84s
2125	2.47508	2.47971	0.99813	1.00000	0.83s
2126	2.47061	2.49771	0.98915	0.96667	0.84s
2127	2.44070	2.43521	1.00226	1.00000	0.84s
2128	2.45924	2.53775	0.96906	0.93333	0.85s
2129	2.46742	2.45582	1.00473	0.96667	0.84s
2130	2.44268	2.46782	0.98981	0.96667	0.84s
2131	2.55801	2.46574	1.03742	1.00000	0.85s
2132	2.43977	2.62599	0.92908	0.96667	0.84s
2133	2.44860	2.43667	1.00490	1.00000	0.83s
2134	2.44769	2.42619	1.00886	1.00000	0.84s
2135	2.45006	2.41171	1.01590	1.00000	0.84s
2136	2.53060	2.41537	1.04771	1.00000	0.85s
2137	2.46772	2.57041	0.96005	0.96667	0.86s
2138	2.45568	2.40969	1.01909	1.00000	0.84s
2139	2.44679	2.49909	0.97907	0.96667	0.84s
2140	2.44360	2.44857	0.99797	0.96667	0.84s
2141	2.42936	2.57828	0.94224	0.90000	0.84s
2142	2.40122	2.40435	0.99870	1.00000	0.84s
2143	2.42105	2.46144	0.98359	0.93333	0.83s
2144	2.47590	2.39350	1.03442	1.00000	0.84s
2145	2.44125	2.41028	1.01285	1.00000	0.85s
2146	2.42481	2.44478	0.99183	1.00000	0.85s
2147	2.47271	2.42297	1.02053	1.00000	0.84s
2148	2.41737	2.55476	0.94622	0.93333	0.83s
2149	2.48122	2.39827	1.03459	1.00000	0.84s
2150	2.38104	2.39644	0.99357	1.00000	0.83s
2151	2.40484	2.37550	1.01235	1.00000	0.84s
2152	2.42102	2.40040	1.00859	0.96667	0.85s
2153	2.42062	2.46041	0.98383	0.96667	0.85s
2154	2.41210	2.54121	0.94919	0.93333	0.84s
2155	2.38701	2.35829	1.01218	1.00000	0.85s
2156	2.37088	2.44883	0.96817	0.93333	0.84s
2157	2.36254	2.37740	0.99375	1.00000	0.84s
2158	2.43936	2.43069	1.00357	0.93333	0.83s
2159	2.41450	2.45120	0.98503	0.96667	0.84s
2160	2.40664	2.40196	1.00195	0.96667	0.84s
2161	2.46546	2.38731	1.03273	0.96667	0.84s
2162	2.41204	2.34853	1.02704	1.00000	0.85s
2163	2.34920	2.46891	0.95151	0.93333	0.85s
2164	2.44988	2.44704	1.00116	0.90000	0.84s
2165	2.37997	2.36001	1.00846	1.00000	0.84s
2166	2.40735	2.35707	1.02133	0.96667	0.85s
2167	2.36122	2.34158	1.00839	1.00000	0.85s
2168	2.34395	2.34817	0.99820	1.00000	0.85s

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   2169       2.40990       2.49071       0.96756       0.93333  0.86s
   2170       2.34480       2.37839       0.98588       1.00000  0.84s
   2171       2.35163       2.40420       0.97813       0.96667  0.84s
   2172       2.45223       2.44042       1.00484       0.93333  0.84s
   2173       2.32922       2.55867       0.91032       0.93333  0.85s
   2174       2.35767       2.38847       0.98711       0.93333  0.84s
   2175       2.44025       2.45863       0.99252       0.93333  0.85s
   2176       2.33040       2.30907       1.00924       1.00000  0.83s
   2177       2.34589       2.33460       1.00484       1.00000  0.85s
   2178       2.36822       2.39937       0.98702       0.93333  0.83s
   2179       2.31976       2.46701       0.94031       0.93333  0.84s
   2180       2.36313       2.40101       0.98422       0.96667  0.84s
   2181       2.33901       2.37215       0.98603       0.96667  0.85s
   2182       2.30876       2.32988       0.99094       0.96667  0.84s
   2183       2.42698       2.59352       0.93578       0.93333  0.84s
   2184       2.38861       2.40281       0.99409       0.96667  0.84s
   2185       2.29903       2.29748       1.00068       1.00000  0.83s
   2186       2.33593       2.52229       0.92611       0.96667  0.85s
   2187       2.29414       2.44280       0.93915       0.96667  0.84s
   2188       2.33915       2.50717       0.93298       0.93333  0.84s
   2189       2.35257       2.30364       1.02124       1.00000  0.84s
   2190       2.34575       2.40763       0.97430       0.93333  0.84s
   2191       2.30973       2.34851       0.98349       0.96667  0.84s
   2192       2.33026       2.33741       0.99694       0.96667  0.84s
   2193       2.37639       2.39407       0.99261       0.93333  0.85s
   2194       2.32054       2.28989       1.01339       1.00000  0.83s
   2195       2.30315       2.40810       0.95642       0.93333  0.84s
   2196       2.30087       2.32364       0.99020       1.00000  0.85s
   2197       2.35176       2.27290       1.03470       1.00000  0.83s
   2198       2.29644       2.27422       1.00977       1.00000  0.85s
   2199       2.28236       2.27432       1.00353       1.00000  0.83s
   2200       2.30108       2.39820       0.95950       0.96667  0.85s
Regularization term: 2.24820971489
2016-07-02 16:26:36,156 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:26:41,670 - root - INFO - Duration of validation: 0:00:05
   2201       2.33829       2.39043       0.97819       0.96667  0.85s
   2202       2.28000       2.30596       0.98874       1.00000  0.84s
   2203       2.44752       2.35525       1.03918       0.96667  0.84s
   2204       2.32088       2.28936       1.01377       1.00000  0.84s
   2205       2.27042       2.30071       0.98683       1.00000  0.83s
   2206       2.29934       2.32525       0.98886       0.96667  0.83s
   2207       2.27802       2.31363       0.98461       0.96667  0.84s
   2208       2.32930       2.27780       1.02261       1.00000  0.84s
   2209       2.30989       2.25416       1.02473       1.00000  0.85s
   2210       2.29238       2.28016       1.00536       0.96667  0.85s
   2211       2.32263       2.24221       1.03587       1.00000  0.85s
   2212       2.33314       2.31943       1.00591       0.96667  0.84s
   2213       2.42458       2.28995       1.05879       0.96667  0.84s
   2214       2.31796       2.30639       1.00502       0.93333  0.84s
   2215       2.24297       2.40218       0.93372       0.93333  0.84s
   2216       2.33834       2.27442       1.02811       0.96667  0.84s
   2217       2.32376       2.32297       1.00034       0.96667  0.84s
   2218       2.28859       2.22614       1.02805       1.00000  0.85s
   2219       2.27336       2.31920       0.98024       1.00000  0.84s
```

2220	2.22390	2.38659	0.93183	0.90000	0.85s
2221	2.26474	2.27435	0.99578	0.96667	0.83s
2222	2.26797	2.27939	0.99499	1.00000	0.85s
2223	2.26874	2.24223	1.01183	1.00000	0.84s
2224	2.25240	2.24516	1.00323	0.96667	0.84s
2225	2.28198	2.29166	0.99578	0.96667	0.84s
2226	2.37756	2.20667	1.07744	1.00000	0.84s
2227	2.29944	2.24706	1.02331	1.00000	0.84s
2228	2.23279	2.35699	0.94731	0.93333	0.85s
2229	2.28915	2.47043	0.92662	0.90000	0.85s
2230	2.29268	2.23496	1.02582	1.00000	0.85s
2231	2.24062	2.21751	1.01042	1.00000	0.83s
2232	2.28652	2.22565	1.02735	1.00000	0.85s
2233	2.44619	2.37759	1.02885	0.93333	0.84s
2234	2.20912	2.50423	0.88216	0.93333	0.84s
2235	2.22588	2.31206	0.96273	0.93333	0.83s
2236	2.27554	2.28595	0.99545	0.96667	0.84s
2237	2.26705	2.32271	0.97604	0.93333	0.84s
2238	2.23573	2.23801	0.99898	1.00000	0.84s
2239	2.36509	2.30984	1.02392	0.93333	0.83s
2240	2.23809	2.30179	0.97233	0.93333	0.84s
2241	2.25579	2.20168	1.02458	1.00000	0.84s
2242	2.26945	2.17598	1.04295	1.00000	0.84s
2243	2.29772	2.25649	1.01827	0.96667	0.85s
2244	2.34147	2.29091	1.02207	0.96667	0.85s
2245	2.23357	2.35742	0.94746	0.90000	0.85s
2246	2.19010	2.26126	0.96853	0.96667	0.84s
2247	2.23978	2.18609	1.02456	1.00000	0.83s
2248	2.23823	2.27532	0.98370	0.96667	0.84s
2249	2.30466	2.20668	1.04440	0.96667	0.84s
2250	2.21835	2.24228	0.98933	0.93333	0.84s
2251	2.18558	2.21960	0.98467	0.96667	0.84s
2252	2.18743	2.25940	0.96815	0.93333	0.85s
2253	2.18001	2.50468	0.87038	0.90000	0.85s
2254	2.24826	2.29125	0.98124	0.96667	0.84s
2255	2.24492	2.28331	0.98319	0.93333	0.84s
2256	2.28819	2.34786	0.97458	0.96667	0.83s
2257	2.18173	2.17766	1.00187	1.00000	0.84s
2258	2.18570	2.47926	0.88159	0.90000	0.84s
2259	2.14875	2.23036	0.96341	0.96667	0.84s
2260	2.21565	2.32271	0.95391	0.93333	0.84s
2261	2.15580	2.16368	0.99636	1.00000	0.85s
2262	2.22960	2.14877	1.03762	1.00000	0.84s
2263	2.14527	2.21352	0.96917	0.96667	0.85s
2264	2.24659	2.18958	1.02604	0.96667	0.84s
2265	2.16455	2.19606	0.98565	0.96667	0.84s
2266	2.17066	2.20810	0.98304	0.96667	0.85s
2267	2.22222	2.13037	1.04311	1.00000	0.84s
2268	2.22706	2.20548	1.00979	0.93333	0.85s
2269	2.22592	2.13851	1.04088	1.00000	0.85s
2270	2.20620	2.14245	1.02976	1.00000	0.84s
2271	2.15312	2.30743	0.93313	0.96667	0.84s
2272	2.21894	2.19361	1.01155	0.96667	0.84s
2273	2.13833	2.14696	0.99598	1.00000	0.85s

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   2274       2.16417       2.14183       1.01043       1.00000  0.84s
   2275       2.19889       2.13516       1.02985       1.00000  0.84s
   2276       2.15629       2.19071       0.98429       0.93333  0.85s
   2277       2.15136       2.15562       0.99802       1.00000  0.84s
   2278       2.13432       2.29011       0.93197       0.93333  0.84s
   2279       2.11682       2.19301       0.96526       0.96667  0.84s
   2280       2.20083       2.12306       1.03663       1.00000  0.84s
   2281       2.18651       2.24122       0.97559       0.96667  0.84s
   2282       2.24884       2.25578       0.99692       0.90000  0.84s
   2283       2.17022       2.27391       0.95440       0.96667  0.85s
   2284       2.10933       2.11000       0.99968       1.00000  0.85s
   2285       2.15289       2.41448       0.89166       0.90000  0.84s
   2286       2.16663       2.09065       1.03634       1.00000  0.84s
   2287       2.11334       2.46284       0.85809       0.90000  0.84s
   2288       2.15281       2.23463       0.96339       0.93333  0.85s
   2289       2.17232       2.33229       0.93141       0.86667  0.85s
   2290       2.14273       2.17235       0.98636       0.96667  0.84s
   2291       2.14186       2.18246       0.98140       0.96667  0.84s
   2292       2.20097       2.14998       1.02371       0.96667  0.84s
   2293       2.08642       2.13219       0.97853       0.96667  0.84s
   2294       2.14377       2.11434       1.01392       1.00000  0.84s
   2295       2.13059       2.10938       1.01006       1.00000  0.85s
   2296       2.11785       2.13434       0.99227       0.96667  0.84s
   2297       2.10735       2.07963       1.01333       1.00000  0.85s
   2298       2.10634       2.07161       1.01676       1.00000  0.84s
   2299       2.15212       2.29139       0.93922       0.96667  0.83s
   2300       2.14981       2.06771       1.03970       1.00000  0.84s
Regularization term: 2.04651522636
2016-07-02 16:28:13,056 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:28:18,582 - root - INFO - Duration of validation: 0:00:05
   2301       2.09189       2.13723       0.97878       1.00000  0.83s
   2302       2.09423       2.20147       0.95129       0.96667  0.83s
   2303       2.12925       2.08123       1.02307       1.00000  0.84s
   2304       2.10096       2.06327       1.01827       1.00000  0.83s
   2305       2.08010       2.05288       1.01326       1.00000  0.84s
   2306       2.12587       2.04873       1.03765       1.00000  0.84s
   2307       2.08587       2.14871       0.97076       0.96667  0.84s
   2308       2.17190       2.07379       1.04731       0.96667  0.86s
   2309       2.04802       2.05566       0.99628       1.00000  0.84s
   2310       2.07843       2.05965       1.00912       1.00000  0.85s
   2311       2.07699       2.20589       0.94156       0.90000  0.83s
   2312       2.07520       2.06673       1.00410       1.00000  0.85s
   2313       2.05043       2.06976       0.99066       1.00000  0.85s
   2314       2.05020       2.07215       0.98941       1.00000  0.84s
   2315       2.13917       2.05769       1.03960       1.00000  0.84s
   2316       2.17240       2.07383       1.04753       1.00000  0.85s
   2317       2.06224       2.07412       0.99427       0.96667  0.84s
   2318       2.05662       2.04964       1.00341       1.00000  0.84s
   2319       2.03834       2.31110       0.88198       0.96667  0.83s
   2320       2.15559       2.03573       1.05888       1.00000  0.85s
   2321       2.06920       2.05755       1.00566       1.00000  0.84s
   2322       2.16183       2.10001       1.02944       0.96667  0.84s
   2323       2.06463       2.11792       0.97484       0.93333  0.85s
   2324       2.04536       2.06617       0.98993       0.96667  0.85s
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2325	2.05606	2.06399	0.99616	1.00000	0.84s
2326	2.09261	2.12396	0.98524	0.96667	0.84s
2327	2.10444	2.18290	0.96406	0.96667	0.84s
2328	2.05841	2.03683	1.01059	1.00000	0.84s
2329	2.05513	2.08443	0.98594	0.96667	0.84s
2330	2.15740	2.00438	1.07634	1.00000	0.85s
2331	2.04997	2.04192	1.00394	1.00000	0.84s
2332	2.06808	2.17890	0.94914	0.96667	0.84s
2333	2.06952	2.23976	0.92399	0.96667	0.85s
2334	2.02764	2.02619	1.00072	1.00000	0.84s
2335	2.04389	2.09590	0.97519	0.96667	0.84s
2336	2.04729	2.16308	0.94647	0.93333	0.84s
2337	2.04540	1.98702	1.02938	1.00000	0.84s
2338	2.02930	2.04411	0.99275	0.96667	0.84s
2339	2.03674	2.05749	0.98991	0.96667	0.84s
2340	2.01005	2.00593	1.00206	1.00000	0.85s
2341	2.03006	2.02206	1.00396	1.00000	0.84s
2342	2.05359	2.01591	1.01869	0.96667	0.84s
2343	2.08595	2.05513	1.01500	0.93333	0.85s
2344	2.04215	2.07369	0.98479	0.96667	0.84s
2345	2.06048	1.98253	1.03932	1.00000	0.85s
2346	2.00629	2.00348	1.00140	1.00000	0.85s
2347	2.00232	1.99417	1.00409	1.00000	0.85s
2348	2.10927	1.99356	1.05804	1.00000	0.84s
2349	2.05448	2.01322	1.02049	0.96667	0.84s
2350	1.98945	2.02255	0.98363	0.96667	0.84s
2351	1.99035	1.98976	1.00030	1.00000	0.84s
2352	2.09830	2.03339	1.03192	0.96667	0.84s
2353	2.00037	1.97558	1.01255	1.00000	0.84s
2354	2.05408	2.07144	0.99162	0.96667	0.85s
2355	1.99665	2.15514	0.92646	0.93333	0.84s
2356	2.00452	2.07864	0.96434	0.96667	0.84s
2357	1.98819	2.06063	0.96485	0.93333	0.83s
2358	2.05117	2.09053	0.98117	0.96667	0.85s
2359	1.99068	1.95899	1.01618	1.00000	0.85s
2360	2.02124	1.98765	1.01690	1.00000	0.84s
2361	2.12908	2.24649	0.94774	0.93333	0.84s
2362	1.97880	2.05926	0.96093	0.93333	0.85s
2363	1.98087	2.01129	0.98488	0.96667	0.84s
2364	1.97667	1.97103	1.00287	1.00000	0.85s
2365	2.09606	1.95649	1.07134	1.00000	0.84s
2366	1.98804	1.94927	1.01989	1.00000	0.85s
2367	2.01262	1.95614	1.02888	1.00000	0.83s
2368	1.95542	2.10720	0.92797	0.93333	0.85s
2369	1.98351	1.94869	1.01786	1.00000	0.84s
2370	2.01698	1.92459	1.04801	1.00000	0.85s
2371	1.95606	1.96856	0.99365	0.96667	0.84s
2372	2.01287	1.99202	1.01047	0.96667	0.85s
2373	1.98515	1.96410	1.01071	1.00000	0.84s
2374	1.98426	1.95675	1.01406	1.00000	0.84s
2375	1.96191	1.98465	0.98854	0.96667	0.84s
2376	2.10439	1.97403	1.06604	0.96667	0.85s
2377	1.96740	1.93997	1.01414	1.00000	0.85s
2378	1.95769	1.92153	1.01882	1.00000	0.84s

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   2379       1.95221       1.91052       1.02182       1.00000  0.84s
   2380       1.96914       1.92115       1.02498       1.00000  0.84s
   2381       1.98197       2.01929       0.98152       0.96667  0.84s
   2382       1.92477       1.93110       0.99672       1.00000  0.85s
   2383       1.91979       1.96658       0.97621       0.96667  0.84s
   2384       1.92784       1.96440       0.98139       0.96667  0.85s
   2385       1.93172       1.96180       0.98467       0.96667  0.84s
   2386       1.91736       1.92688       0.99506       1.00000  0.84s
   2387       1.90931       1.91355       0.99778       1.00000  0.84s
   2388       1.91287       1.94294       0.98452       1.00000  0.85s
   2389       1.97098       1.92735       1.02264       1.00000  0.84s
   2390       1.96263       1.98611       0.98817       0.96667  0.84s
   2391       1.95465       2.01065       0.97215       0.96667  0.84s
   2392       1.90596       1.90499       1.00051       1.00000  0.85s
   2393       1.94487       1.90223       1.02242       1.00000  0.84s
   2394       2.01424       1.97744       1.01861       0.96667  0.85s
   2395       1.89679       1.91292       0.99157       1.00000  0.84s
   2396       1.89246       1.93827       0.97636       0.96667  0.85s
   2397       1.88562       1.99166       0.94676       0.96667  0.85s
   2398       1.94468       1.89175       1.02798       1.00000  0.85s
   2399       1.95568       1.97327       0.99109       0.96667  0.84s
   2400       1.90734       1.89681       1.00555       1.00000  0.85s
Regularization term: 1.86644935608
2016-07-02 16:29:49,990 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:29:55,516 - root - INFO - Duration of validation: 0:00:05
   2401       1.88504       1.90460       0.98973       1.00000  0.85s
   2402       1.89335       2.01103       0.94148       0.93333  0.84s
   2403       1.90040       1.89157       1.00467       1.00000  0.85s
   2404       1.89867       2.13401       0.88972       0.93333  0.85s
   2405       1.89760       1.98871       0.95419       0.96667  0.84s
   2406       1.89450       1.89674       0.99882       0.96667  0.84s
   2407       1.88782       1.86701       1.01115       1.00000  0.84s
   2408       1.88117       1.88949       0.99560       1.00000  0.86s
   2409       1.89456       1.86942       1.01345       1.00000  0.84s
   2410       1.93882       1.88317       1.02955       1.00000  0.84s
   2411       1.91340       1.87095       1.02269       1.00000  0.85s
   2412       1.86509       1.88827       0.98772       1.00000  0.84s
   2413       1.89140       1.90621       0.99223       0.96667  0.84s
   2414       1.87369       1.85695       1.00902       1.00000  0.84s
   2415       1.92022       1.88412       1.01916       1.00000  0.84s
   2416       1.89920       1.91489       0.99181       0.96667  0.84s
   2417       1.87688       2.07286       0.90546       0.93333  0.85s
   2418       1.89996       1.91803       0.99058       0.96667  0.85s
   2419       1.95222       1.88004       1.03839       1.00000  0.83s
   2420       1.91301       1.86963       1.02320       0.96667  0.85s
   2421       1.95062       1.84163       1.05918       1.00000  0.84s
   2422       1.87176       1.88138       0.99489       0.96667  0.83s
   2423       1.94252       1.87794       1.03439       1.00000  0.85s
   2424       1.93945       1.87138       1.03637       1.00000  0.85s
   2425       1.86580       1.85066       1.00818       1.00000  0.85s
   2426       1.86709       1.92627       0.96928       0.96667  0.85s
   2427       1.90143       1.86164       1.02138       1.00000  0.86s
   2428       1.85325       1.98661       0.93287       0.96667  0.86s
   2429       1.91972       1.83104       1.04843       1.00000  0.84s
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2430	1.86901	1.88533	0.99135	0.96667	0.84s
2431	1.84949	1.82502	1.01341	1.00000	0.84s
2432	1.85965	1.86079	0.99939	1.00000	0.84s
2433	1.98754	1.84753	1.07578	1.00000	0.84s
2434	1.85595	2.03648	0.91135	0.90000	0.84s
2435	1.89463	1.81824	1.04201	1.00000	0.85s
2436	1.85954	1.95202	0.95263	0.93333	0.85s
2437	1.85485	1.92679	0.96266	0.96667	0.85s
2438	1.82392	1.88498	0.96760	1.00000	0.85s
2439	1.83274	1.90067	0.96426	0.96667	0.85s
2440	1.97674	1.81255	1.09059	1.00000	0.85s
2441	1.81205	1.95568	0.92655	0.96667	0.85s
2442	1.87089	1.82979	1.02246	1.00000	0.85s
2443	1.92172	1.88150	1.02138	0.96667	0.85s
2444	1.82127	1.90784	0.95463	0.96667	0.85s
2445	1.90307	1.81738	1.04715	1.00000	0.84s
2446	1.82015	1.86557	0.97565	0.96667	0.84s
2447	1.88161	1.84943	1.01740	0.96667	0.84s
2448	1.86430	1.80993	1.03004	1.00000	0.85s
2449	1.99322	1.85154	1.07652	1.00000	0.85s
2450	1.81035	1.79571	1.00815	1.00000	0.84s
2451	1.82772	1.86914	0.97784	0.96667	0.85s
2452	1.85589	1.82233	1.01841	1.00000	0.85s
2453	1.86691	1.81987	1.02585	1.00000	0.85s
2454	1.81199	1.82742	0.99156	1.00000	0.85s
2455	1.81725	1.82306	0.99681	0.96667	0.84s
2456	1.84508	1.80836	1.02031	1.00000	0.85s
2457	1.82647	1.90680	0.95787	0.96667	0.85s
2458	1.83966	1.78511	1.03056	1.00000	0.85s
2459	1.85863	1.78827	1.03934	1.00000	0.85s
2460	1.91838	1.79600	1.06814	1.00000	0.84s
2461	1.89229	1.79521	1.05408	1.00000	0.85s
2462	1.80838	1.84583	0.97971	0.96667	0.84s
2463	1.78663	1.87657	0.95207	0.96667	0.86s
2464	1.82345	1.88322	0.96826	0.96667	0.85s
2465	1.85981	1.78218	1.04356	1.00000	0.86s
2466	1.78984	1.80855	0.98966	1.00000	0.85s
2467	1.78594	1.81957	0.98152	1.00000	0.84s
2468	1.81925	1.81518	1.00225	1.00000	0.85s
2469	1.78069	1.97875	0.89991	0.96667	0.85s
2470	1.80775	1.77694	1.01734	1.00000	0.86s
2471	1.82502	2.06853	0.88228	0.93333	0.84s
2472	1.80071	1.77198	1.01622	1.00000	0.84s
2473	1.82005	1.88265	0.96675	0.96667	0.84s
2474	1.76689	1.94303	0.90935	0.96667	0.84s
2475	1.87771	1.77628	1.05710	1.00000	0.84s
2476	1.87667	1.84774	1.01566	0.93333	0.84s
2477	1.83288	1.78356	1.02765	0.96667	0.84s
2478	1.79013	1.92934	0.92785	0.93333	0.85s
2479	1.80295	1.76057	1.02408	1.00000	0.84s
2480	1.79082	1.87295	0.95615	0.96667	0.85s
2481	1.79329	1.77034	1.01297	1.00000	0.85s
2482	1.76257	1.99337	0.88422	0.93333	0.85s
2483	1.78281	1.76145	1.01212	1.00000	0.84s

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   2484       1.75010       1.82847       0.95714       0.96667  0.84s
   2485       1.74832       2.09375       0.83502       0.93333  0.84s
   2486       1.85365       2.00232       0.92575       0.96667  0.84s
   2487       1.75039       1.78200       0.98226       0.96667  0.85s
   2488       1.79599       1.78757       1.00471       0.96667  0.86s
   2489       1.75926       1.73988       1.01114       1.00000  0.85s
   2490       1.78980       1.87309       0.95554       0.96667  0.85s
   2491       1.76167       1.82278       0.96647       0.96667  0.85s
   2492       1.75953       1.74187       1.01014       1.00000  0.85s
   2493       1.73358       1.74321       0.99447       1.00000  0.85s
   2494       1.74501       1.82955       0.95379       0.96667  0.85s
   2495       1.77144       1.83310       0.96637       0.96667  0.85s
   2496       1.72035       1.73902       0.98926       1.00000  0.85s
   2497       1.75942       1.76926       0.99444       0.96667  0.86s
   2498       1.75026       1.80867       0.96770       0.96667  0.85s
   2499       1.75283       1.78396       0.98255       0.96667  0.85s
   2500       1.75068       1.74112       1.00549       0.96667  0.85s
Regularization term: 1.70297586918
2016-07-02 16:31:27,427 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:31:32,975 - root - INFO - Duration of validation: 0:00:05
   2501       1.77992       1.71318       1.03895       1.00000  0.84s
   2502       1.86463       1.72790       1.07913       1.00000  0.84s
   2503       1.73220       1.77398       0.97645       0.96667  0.85s
   2504       1.85332       1.73926       1.06558       0.96667  0.84s
   2505       1.89693       1.72863       1.09736       1.00000  0.85s
   2506       1.79199       1.78671       1.00296       0.96667  0.85s
   2507       1.70982       1.94144       0.88069       0.96667  0.85s
   2508       1.71949       1.79445       0.95823       0.96667  0.85s
   2509       1.75043       1.82131       0.96108       0.96667  0.84s
   2510       1.70743       1.70014       1.00429       1.00000  0.85s
   2511       1.71388       1.89145       0.90612       0.90000  0.84s
   2512       1.76087       1.77993       0.98929       0.96667  0.84s
   2513       1.72193       1.72851       0.99619       1.00000  0.85s
   2514       1.71582       1.71973       0.99773       1.00000  0.84s
   2515       1.82887       1.71223       1.06812       1.00000  0.83s
   2516       1.72843       1.76335       0.98020       0.96667  0.85s
   2517       1.75176       1.74763       1.00236       0.96667  0.84s
   2518       1.71757       1.71932       0.99899       1.00000  0.85s
   2519       1.71631       1.68462       1.01881       1.00000  0.84s
   2520       1.73000       1.72310       1.00400       0.96667  0.85s
   2521       1.71740       1.69184       1.01510       1.00000  0.85s
   2522       1.70494       1.70697       0.99881       1.00000  0.85s
   2523       1.86524       1.73590       1.07451       0.96667  0.85s
   2524       1.70249       1.68161       1.01242       1.00000  0.86s
   2525       1.76534       1.68708       1.04639       1.00000  0.85s
   2526       1.74283       1.72947       1.00772       1.00000  0.85s
   2527       1.70992       1.67017       1.02380       1.00000  0.84s
   2528       1.77076       1.70636       1.03774       1.00000  0.85s
   2529       1.74147       1.84868       0.94201       0.96667  0.85s
   2530       1.70370       1.83066       0.93065       0.93333  0.85s
   2531       1.67554       1.78718       0.93753       0.96667  0.84s
   2532       1.77387       1.71397       1.03495       0.96667  0.86s
   2533       1.67291       1.68976       0.99003       1.00000  0.84s
   2534       1.76781       1.66628       1.06093       1.00000  0.83s
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2535	1.72792	1.70559	1.01309	1.00000	0.84s
2536	1.74776	1.66532	1.04950	1.00000	0.85s
2537	1.72005	1.85871	0.92540	0.93333	0.85s
2538	1.71762	1.75981	0.97603	0.96667	0.84s
2539	1.71359	1.79011	0.95726	0.93333	0.86s
2540	1.68388	1.72865	0.97410	0.96667	0.84s
2541	1.70237	1.74606	0.97498	0.96667	0.84s
2542	1.68007	1.84474	0.91074	0.93333	0.85s
2543	1.78438	1.76705	1.00981	0.96667	0.84s
2544	1.66085	1.64338	1.01063	1.00000	0.84s
2545	1.64969	1.68311	0.98015	0.96667	0.85s
2546	1.70146	1.65366	1.02891	1.00000	0.85s
2547	1.67408	1.65199	1.01337	1.00000	0.85s
2548	1.71056	1.68278	1.01650	1.00000	0.85s
2549	1.68023	1.67118	1.00541	0.96667	0.85s
2550	1.67804	1.65474	1.01408	1.00000	0.84s
2551	1.66595	1.69414	0.98336	0.96667	0.83s
2552	1.64272	1.68295	0.97610	0.96667	0.84s
2553	1.66725	1.65730	1.00601	0.96667	0.85s
2554	1.64472	1.63293	1.00722	1.00000	0.86s
2555	1.63869	1.64954	0.99342	1.00000	0.85s
2556	1.68625	1.65609	1.01821	1.00000	0.84s
2557	1.70628	1.63422	1.04409	1.00000	0.84s
2558	1.66004	1.70375	0.97434	0.96667	0.85s
2559	1.65495	1.68474	0.98232	1.00000	0.84s
2560	1.70793	1.69453	1.00791	0.96667	0.85s
2561	1.64172	1.73363	0.94698	0.96667	0.85s
2562	1.64524	1.71501	0.95931	0.96667	0.85s
2563	1.65031	1.75892	0.93825	0.93333	0.84s
2564	1.66191	1.66247	0.99966	0.96667	0.85s
2565	1.66350	1.62457	1.02396	1.00000	0.85s
2566	1.72511	1.62604	1.06093	1.00000	0.85s
2567	1.62093	1.69078	0.95869	0.96667	0.84s
2568	1.62592	1.64243	0.98995	1.00000	0.85s
2569	1.64324	1.61948	1.01467	1.00000	0.84s
2570	1.64039	1.69253	0.96919	0.96667	0.84s
2571	1.62966	1.61819	1.00709	1.00000	0.85s
2572	1.63776	1.83963	0.89027	0.90000	0.85s
2573	1.61103	1.62540	0.99116	1.00000	0.84s
2574	1.69354	1.69571	0.99872	0.96667	0.86s
2575	1.63196	1.65145	0.98820	1.00000	0.85s
2576	1.63531	1.60475	1.01905	1.00000	0.85s
2577	1.63153	1.60409	1.01711	1.00000	0.85s
2578	1.62248	1.60638	1.01003	1.00000	0.85s
2579	1.61207	1.68790	0.95507	0.93333	0.85s
2580	1.59775	1.60662	0.99448	1.00000	0.85s
2581	1.68851	1.59878	1.05612	1.00000	0.84s
2582	1.59522	1.61579	0.98727	1.00000	0.84s
2583	1.60196	1.71786	0.93254	0.96667	0.84s
2584	1.67400	1.61050	1.03943	1.00000	0.85s
2585	1.66232	1.63497	1.01673	0.96667	0.85s
2586	1.63273	1.60015	1.02036	1.00000	0.84s
2587	1.59168	1.58931	1.00149	1.00000	0.85s
2588	1.63934	1.58261	1.03585	1.00000	0.86s

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   2589       1.60038       1.65838       0.96502       0.96667  0.84s
   2590       1.59856       1.60186       0.99794       1.00000  0.83s
   2591       1.59052       1.58318       1.00463       1.00000  0.84s
   2592       1.60851       1.59186       1.01046       1.00000  0.85s
   2593       1.63652       1.64061       0.99751       0.96667  0.85s
   2594       1.59914       1.58040       1.01186       1.00000  0.84s
   2595       1.63675       1.57954       1.03622       1.00000  0.85s
   2596       1.63807       1.68837       0.97021       0.96667  0.84s
   2597       1.58289       1.64936       0.95970       1.00000  0.84s
   2598       1.63240       1.72689       0.94529       0.96667  0.84s
   2599       1.63621       1.60631       1.01861       1.00000  0.84s
   2600       1.60811       1.61858       0.99353       0.96667  0.85s
Regularization term: 1.55495154858
2016-07-02 16:33:04,854 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:33:11,030 - root - INFO - Duration of validation: 0:00:06
   2601       1.59727       1.59836       0.99932       1.00000  0.85s
   2602       1.68228       1.61629       1.04083       0.96667  0.85s
   2603       1.58543       1.64190       0.96561       0.96667  0.85s
   2604       1.58994       1.57944       1.00664       1.00000  0.85s
   2605       1.57991       1.61647       0.97738       0.96667  0.84s
   2606       1.60650       1.61458       0.99500       0.96667  0.84s
   2607       1.68062       1.65952       1.01271       0.96667  0.84s
   2608       1.59978       1.62186       0.98638       0.96667  0.85s
   2609       1.58841       1.57062       1.01133       1.00000  0.84s
   2610       1.61169       1.74944       0.92126       0.93333  0.84s
   2611       1.64007       1.58238       1.03646       0.96667  0.84s
   2612       1.60692       1.62399       0.98949       0.96667  0.85s
   2613       1.57208       1.55780       1.00917       1.00000  0.85s
   2614       1.60948       1.56920       1.02567       1.00000  0.83s
   2615       1.67222       1.55451       1.07572       1.00000  0.84s
   2616       1.62187       1.57518       1.02964       0.96667  0.85s
   2617       1.57801       1.55322       1.01596       1.00000  0.85s
   2618       1.60241       1.55924       1.02769       1.00000  0.84s
   2619       1.57779       1.60109       0.98545       0.96667  0.85s
   2620       1.62851       1.63040       0.99884       0.96667  0.85s
   2621       1.55787       1.54322       1.00950       1.00000  0.85s
   2622       1.59093       1.57024       1.01318       1.00000  0.84s
   2623       1.57377       1.54995       1.01537       1.00000  0.84s
   2624       1.60577       1.56404       1.02669       0.96667  0.85s
   2625       1.56817       1.55396       1.00915       1.00000  0.85s
   2626       1.56788       1.57817       0.99348       1.00000  0.84s
   2627       1.55573       1.54328       1.00807       1.00000  0.84s
   2628       1.58694       1.73919       0.91246       0.93333  0.85s
   2629       1.57184       1.56723       1.00294       1.00000  0.85s
   2630       1.54713       1.65293       0.93600       0.96667  0.85s
   2631       1.58945       1.53419       1.03602       1.00000  0.84s
   2632       1.52947       1.52232       1.00470       1.00000  0.84s
   2633       1.57139       1.53904       1.02102       1.00000  0.85s
   2634       1.53250       1.63727       0.93601       0.96667  0.85s
   2635       1.55707       1.54944       1.00492       1.00000  0.84s
   2636       1.58286       1.54793       1.02257       1.00000  0.85s
   2637       1.59759       1.54048       1.03707       1.00000  0.84s
   2638       1.54209       1.56183       0.98737       1.00000  0.85s
   2639       1.62191       1.52486       1.06364       1.00000  0.85s
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2640	1.56468	1.67071	0.93653	0.96667	0.85s
2641	1.56288	1.60296	0.97500	0.96667	0.85s
2642	1.56796	1.58259	0.99076	0.96667	0.84s
2643	1.55507	1.59230	0.97662	0.96667	0.84s
2644	1.53349	1.50766	1.01713	1.00000	0.84s
2645	1.50957	1.76253	0.85648	0.96667	0.84s
2646	1.54365	1.54564	0.99871	1.00000	0.85s
2647	1.51843	1.60911	0.94365	0.93333	0.85s
2648	1.53871	1.50199	1.02445	1.00000	0.85s
2649	1.51387	1.57123	0.96349	0.96667	0.85s
2650	1.52694	1.58588	0.96284	0.96667	0.85s
2651	1.57077	1.51731	1.03523	1.00000	0.84s
2652	1.50910	1.51218	0.99796	1.00000	0.84s
2653	1.54541	1.48981	1.03732	1.00000	0.84s
2654	1.53897	1.57027	0.98007	0.96667	0.85s
2655	1.60972	1.52237	1.05737	0.96667	0.85s
2656	1.51207	1.49716	1.00996	1.00000	0.86s
2657	1.51435	1.48371	1.02065	1.00000	0.85s
2658	1.51310	1.53275	0.98718	1.00000	0.85s
2659	1.49210	1.53938	0.96928	0.96667	0.84s
2660	1.59774	1.48407	1.07659	1.00000	0.85s
2661	1.57491	1.53381	1.02680	0.96667	0.85s
2662	1.50269	1.49888	1.00254	1.00000	0.84s
2663	1.53043	1.60451	0.95383	0.93333	0.85s
2664	1.55621	1.48140	1.05050	1.00000	0.84s
2665	1.52110	1.50191	1.01278	1.00000	0.85s
2666	1.48859	1.48869	0.99993	1.00000	0.85s
2667	1.55511	1.57902	0.98486	0.96667	0.84s
2668	1.57671	1.67643	0.94051	0.96667	0.83s
2669	1.48326	1.53517	0.96619	0.96667	0.85s
2670	1.52831	1.50505	1.01545	1.00000	0.85s
2671	1.50245	1.48724	1.01022	1.00000	0.84s
2672	1.47573	1.46864	1.00483	1.00000	0.85s
2673	1.49817	1.47442	1.01611	1.00000	0.85s
2674	1.49673	1.49845	0.99885	1.00000	0.84s
2675	1.48283	1.46940	1.00914	1.00000	0.84s
2676	1.49236	1.48549	1.00462	1.00000	0.85s
2677	1.50381	1.48865	1.01018	1.00000	0.86s
2678	1.48740	1.58831	0.93647	0.96667	0.85s
2679	1.47368	1.47874	0.99657	1.00000	0.84s
2680	1.45959	1.55942	0.93598	0.96667	0.85s
2681	1.47180	1.50673	0.97682	0.96667	0.84s
2682	1.46642	1.48732	0.98595	1.00000	0.84s
2683	1.45822	1.73417	0.84087	0.90000	0.85s
2684	1.47177	1.56792	0.93868	0.96667	0.84s
2685	1.48290	1.54463	0.96004	0.96667	0.84s
2686	1.47590	1.47820	0.99845	1.00000	0.85s
2687	1.48975	1.48306	1.00451	1.00000	0.83s
2688	1.49508	1.52431	0.98083	0.96667	0.85s
2689	1.52398	1.45494	1.04745	1.00000	0.85s
2690	1.45102	1.50512	0.96406	0.96667	0.84s
2691	1.54466	1.44555	1.06856	1.00000	0.85s
2692	1.52129	1.44865	1.05014	1.00000	0.84s
2693	1.47099	1.44532	1.01776	1.00000	0.85s

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   2694       1.49373       1.43551       1.04056       1.00000  0.84s
   2695       1.50819       1.46578       1.02894       1.00000  0.85s
   2696       1.46121       1.45345       1.00534       1.00000  0.84s
   2697       1.46317       1.45156       1.00800       1.00000  0.85s
   2698       1.51353       1.47547       1.02580       1.00000  0.84s
   2699       1.45032       1.46105       0.99266       1.00000  0.84s
   2700       1.47456       1.44272       1.02207       1.00000  0.85s
Regularization term: 1.42167341709
2016-07-02 16:34:42,933 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:34:48,540 - root - INFO - Duration of validation: 0:00:05
   2701       1.43571       1.43313       1.00180       1.00000  0.85s
   2702       1.52371       1.43286       1.06340       1.00000  0.84s
   2703       1.49066       1.43332       1.04000       1.00000  0.85s
   2704       1.46572       1.45234       1.00921       1.00000  0.85s
   2705       1.52884       1.43587       1.06475       1.00000  0.86s
   2706       1.44213       1.41843       1.01671       1.00000  0.84s
   2707       1.45353       1.70406       0.85298       0.90000  0.85s
   2708       1.45203       1.44203       1.00694       1.00000  0.85s
   2709       1.48329       1.42349       1.04201       1.00000  0.85s
   2710       1.52918       1.46312       1.04515       0.96667  0.84s
   2711       1.47568       1.43002       1.03193       1.00000  0.85s
   2712       1.52359       1.43130       1.06448       1.00000  0.85s
   2713       1.45350       1.45609       0.99822       1.00000  0.84s
   2714       1.43431       1.42393       1.00729       1.00000  0.85s
   2715       1.43040       1.46412       0.97697       0.96667  0.84s
   2716       1.43209       1.43762       0.99615       1.00000  0.84s
   2717       1.51332       1.44774       1.04530       1.00000  0.85s
   2718       1.44686       1.46321       0.98883       0.96667  0.84s
   2719       1.50282       1.41297       1.06360       1.00000  0.85s
   2720       1.45632       1.41580       1.02862       1.00000  0.85s
   2721       1.46386       1.41797       1.03236       1.00000  0.84s
   2722       1.45045       1.41533       1.02481       1.00000  0.85s
   2723       1.43112       1.45333       0.98472       0.96667  0.84s
   2724       1.45542       1.44113       1.00991       0.96667  0.85s
   2725       1.42816       1.42139       1.00476       1.00000  0.85s
   2726       1.43326       1.40944       1.01690       1.00000  0.85s
   2727       1.45932       1.39423       1.04668       1.00000  0.85s
   2728       1.40375       1.40589       0.99848       1.00000  0.85s
   2729       1.50176       1.40930       1.06560       1.00000  0.84s
   2730       1.53576       1.41721       1.08365       1.00000  0.84s
   2731       1.42675       1.47538       0.96704       1.00000  0.85s
   2732       1.45171       1.38672       1.04686       1.00000  0.85s
   2733       1.43385       1.39508       1.02779       1.00000  0.84s
   2734       1.39766       1.56026       0.89578       0.93333  0.85s
   2735       1.40877       1.41147       0.99808       1.00000  0.84s
   2736       1.41818       1.41014       1.00570       1.00000  0.85s
   2737       1.41516       1.41662       0.99897       1.00000  0.85s
   2738       1.46228       1.38244       1.05776       1.00000  0.84s
   2739       1.40970       1.58351       0.89024       0.96667  0.86s
   2740       1.53776       1.39018       1.10615       1.00000  0.85s
   2741       1.52165       1.42118       1.07070       1.00000  0.85s
   2742       1.38881       1.38186       1.00503       1.00000  0.85s
   2743       1.44800       1.78328       0.81199       0.93333  0.85s
   2744       1.51164       1.39103       1.08670       1.00000  0.85s
```

2745	1.39198	1.44992	0.96004	0.96667	0.83s
2746	1.43549	1.38665	1.03522	1.00000	0.84s
2747	1.48646	1.37601	1.08026	1.00000	0.85s
2748	1.38155	1.37987	1.00121	1.00000	0.85s
2749	1.40889	1.39110	1.01279	1.00000	0.85s
2750	1.39739	1.46210	0.95574	0.96667	0.84s
2751	1.47491	1.42498	1.03504	0.96667	0.85s
2752	1.42087	1.45788	0.97461	0.96667	0.85s
2753	1.37712	1.36996	1.00523	1.00000	0.86s
2754	1.42061	1.37336	1.03440	1.00000	0.84s
2755	1.38037	1.42857	0.96626	1.00000	0.84s
2756	1.41887	1.36460	1.03977	1.00000	0.84s
2757	1.40728	1.39844	1.00632	0.96667	0.85s
2758	1.41388	1.40523	1.00616	1.00000	0.85s
2759	1.43062	1.37147	1.04313	1.00000	0.85s
2760	1.39036	1.41332	0.98375	0.96667	0.85s
2761	1.43771	1.36445	1.05369	1.00000	0.84s
2762	1.39007	1.45014	0.95858	0.96667	0.85s
2763	1.36654	1.50542	0.90775	0.93333	0.85s
2764	1.40328	1.38132	1.01590	0.96667	0.84s
2765	1.40027	1.46308	0.95707	0.96667	0.84s
2766	1.36353	1.37111	0.99447	1.00000	0.84s
2767	1.35637	1.35228	1.00303	1.00000	0.84s
2768	1.36546	1.35793	1.00555	1.00000	0.85s
2769	1.36447	1.34787	1.01231	1.00000	0.84s
2770	1.39189	1.39256	0.99952	0.96667	0.85s
2771	1.40214	1.37245	1.02164	1.00000	0.84s
2772	1.36876	1.41830	0.96507	0.96667	0.85s
2773	1.41502	1.35882	1.04136	1.00000	0.85s
2774	1.41761	1.36240	1.04052	1.00000	0.84s
2775	1.37545	1.35727	1.01340	1.00000	0.85s
2776	1.37852	1.36497	1.00992	1.00000	0.85s
2777	1.36137	1.34966	1.00867	1.00000	0.84s
2778	1.36218	1.35424	1.00586	1.00000	0.85s
2779	1.35456	1.34122	1.00994	1.00000	0.84s
2780	1.39897	1.39819	1.00056	0.96667	0.85s
2781	1.45135	1.40739	1.03124	0.96667	0.84s
2782	1.38397	1.34562	1.02850	1.00000	0.84s
2783	1.34040	1.43347	0.93508	0.96667	0.84s
2784	1.38065	1.36866	1.00876	1.00000	0.84s
2785	1.33744	1.34972	0.99090	1.00000	0.84s
2786	1.49858	1.35407	1.10673	1.00000	0.85s
2787	1.42845	1.33599	1.06921	1.00000	0.85s
2788	1.35821	1.37251	0.98958	0.96667	0.84s
2789	1.33759	1.36310	0.98129	1.00000	0.84s
2790	1.39224	1.32213	1.05303	1.00000	0.84s
2791	1.36129	1.36653	0.99616	0.96667	0.85s
2792	1.35327	1.33799	1.01142	1.00000	0.84s
2793	1.32819	1.43583	0.92503	0.93333	0.84s
2794	1.34511	1.33165	1.01011	1.00000	0.86s
2795	1.36031	1.35865	1.00122	0.96667	0.84s
2796	1.37962	1.32298	1.04281	1.00000	0.84s
2797	1.36930	1.33943	1.02230	0.96667	0.84s
2798	1.36431	1.32192	1.03207	1.00000	0.84s

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   2799       1.35882       1.36630       0.99453       0.96667  0.84s
   2800       1.44743       1.31405       1.10151       1.00000  0.86s
Regularization term: 1.3015806675
2016-07-02 16:36:20,582 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 16:36:26,235 - root - INFO - Duration of validation: 0:00:05
   2801       1.33936       1.45852       0.91830       0.93333  0.85s
   2802       1.36209       1.31480       1.03597       1.00000  0.85s
   2803       1.32676       1.36420       0.97256       1.00000  0.85s
   2804       1.33260       1.30927       1.01782       1.00000  0.85s
   2805       1.41116       1.33007       1.06097       0.96667  0.84s
   2806       1.32122       1.31287       1.00636       1.00000  0.84s
   2807       1.35233       1.38010       0.97988       0.96667  0.84s
   2808       1.31175       1.44157       0.90995       0.93333  0.86s
   2809       1.32149       1.30907       1.00949       1.00000  0.86s
   2810       1.34256       1.33544       1.00533       1.00000  0.85s
   2811       1.34457       1.34959       0.99628       0.96667  0.84s
   2812       1.34473       1.38702       0.96951       0.93333  0.84s
   2813       1.31006       1.35566       0.96636       0.96667  0.85s
   2814       1.33055       1.34554       0.98886       0.96667  0.84s
   2815       1.33409       1.30339       1.02355       1.00000  0.84s
   2816       1.31342       1.31160       1.00138       1.00000  0.84s
   2817       1.41333       1.31769       1.07258       1.00000  0.85s
   2818       1.30795       1.34531       0.97223       0.96667  0.84s
   2819       1.33616       1.54600       0.86427       0.93333  0.85s
   2820       1.32298       1.31690       1.00462       1.00000  0.85s
   2821       1.36448       1.31997       1.03372       1.00000  0.85s
   2822       1.38811       1.28570       1.07966       1.00000  0.84s
   2823       1.32884       1.32504       1.00287       1.00000  0.84s
   2824       1.31669       1.39912       0.94108       0.96667  0.86s
   2825       1.31348       1.28247       1.02418       1.00000  0.85s
   2826       1.32048       1.29751       1.01770       1.00000  0.84s
   2827       1.33461       1.37686       0.96932       0.96667  0.85s
   2828       1.34211       1.37398       0.97680       0.96667  0.85s
   2829       1.29095       1.30380       0.99015       0.96667  0.85s
   2830       1.33821       1.28416       1.04209       1.00000  0.85s
   2831       1.32599       1.30207       1.01837       1.00000  0.84s
   2832       1.30238       1.33740       0.97382       1.00000  0.85s
   2833       1.39514       1.30570       1.06850       1.00000  0.85s
   2834       1.30773       1.31718       0.99283       1.00000  0.86s
   2835       1.30399       1.35311       0.96370       0.96667  0.85s
   2836       1.29976       1.35846       0.95679       0.96667  0.85s
   2837       1.30186       1.30132       1.00041       1.00000  0.84s
   2838       1.34092       1.29406       1.03621       1.00000  0.84s
   2839       1.34259       1.29776       1.03454       1.00000  0.85s
   2840       1.36922       1.31412       1.04193       0.96667  0.85s
   2841       1.28760       1.36146       0.94575       0.96667  0.84s
   2842       1.32599       1.31371       1.00935       1.00000  0.85s
   2843       1.31374       1.54022       0.85296       0.93333  0.84s
   2844       1.28064       1.42112       0.90115       0.96667  0.84s
   2845       1.30164       1.29571       1.00457       1.00000  0.84s
   2846       1.39022       1.32768       1.04710       1.00000  0.84s
   2847       1.27777       1.31755       0.96980       0.96667  0.84s
   2848       1.35487       1.29133       1.04921       0.96667  0.85s
   2849       1.35121       1.29612       1.04251       1.00000  0.85s
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   2850       1.28465       1.25725       1.02179       1.00000  0.85s
   2851       1.35023       1.25895       1.07251       1.00000  0.85s
   2852       1.26704       1.38467       0.91504       0.96667  0.85s
   2853       1.29965       1.29006       1.00743       0.96667  0.85s
   2854       1.36645       1.30893       1.04394       0.96667  0.85s
   2855       1.29437       1.28498       1.00730       0.96667  0.85s
   2856       1.28155       1.37163       0.93433       0.93333  0.84s
   2857       1.27990       1.34770       0.94969       0.96667  0.85s
   2858       1.31481       1.26257       1.04138       1.00000  0.85s
   2859       1.28610       1.28055       1.00433       0.96667  0.85s
   2860       1.26214       1.37459       0.91819       0.93333  0.85s
   2861       1.25831       1.27642       0.98581       1.00000  0.85s
   2862       1.28617       1.35512       0.94912       0.96667  0.84s
   2863       1.26015       1.36964       0.92006       0.93333  0.84s
   2864       1.36723       1.24163       1.10115       1.00000  0.86s
   2865       1.29089       1.26168       1.02315       1.00000  0.85s
   2866       1.25267       1.27559       0.98203       1.00000  0.84s
   2867       1.26789       1.24966       1.01459       1.00000  0.84s
   2868       1.27023       1.29123       0.98373       1.00000  0.84s
   2869       1.29201       1.29503       0.99766       0.96667  0.84s
   2870       1.29159       1.27155       1.01577       0.96667  0.84s
   2871       1.25800       1.37717       0.91346       0.96667  0.84s
   2872       1.27490       1.24376       1.02504       1.00000  0.85s
   2873       1.25455       1.37531       0.91219       0.93333  0.85s
   2874       1.29590       1.35859       0.95386       0.96667  0.84s
   2875       1.27131       1.30788       0.97204       0.96667  0.85s
   2876       1.25983       1.24287       1.01365       1.00000  0.84s
   2877       1.22840       1.22866       0.99979       1.00000  0.84s
   2878       1.29073       1.29356       0.99781       1.00000  0.85s
   2879       1.25202       1.24567       1.00509       1.00000  0.84s
   2880       1.28451       1.22975       1.04453       1.00000  0.85s
   2881       1.25598       1.24117       1.01193       1.00000  0.84s
   2882       1.30840       1.26476       1.03450       1.00000  0.84s
   2883       1.26913       1.24685       1.01787       1.00000  0.85s
   2884       1.27160       1.33642       0.95150       0.96667  0.84s
   2885       1.29050       1.29197       0.99886       0.96667  0.84s
   2886       1.28999       1.30445       0.98891       0.96667  0.84s
   2887       1.24517       1.22077       1.01998       1.00000  0.84s
   2888       1.24968       1.33413       0.93670       0.96667  0.84s
   2889       1.25140       1.26342       0.99049       1.00000  0.85s
   2890       1.22755       1.26164       0.97298       0.96667  0.84s
   2891       1.24928       1.23567       1.01101       1.00000  0.84s
   2892       1.24351       1.25289       0.99251       0.96667  0.84s
   2893       1.24951       1.23955       1.00803       1.00000  0.86s
   2894       1.34014       1.26665       1.05802       0.96667  0.86s
   2895       1.21960       1.21036       1.00764       1.00000  0.85s
   2896       1.40352       1.20577       1.16401       1.00000  0.84s
   2897       1.26027       1.25006       1.00817       1.00000  0.85s
   2898       1.21417       1.21576       0.99869       1.00000  0.83s
   2899       1.25797       1.21207       1.03787       1.00000  0.85s
   2900       1.21726       1.27054       0.95807       1.00000  0.84s
Regularization term: 1.1939098835
2016-07-02 16:37:58,242 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:38:03,969 - root - INFO - Duration of validation: 0:00:05
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2901	1.24298	1.38387	0.89819	0.93333	0.85s
2902	1.23890	1.24284	0.99683	1.00000	0.84s
2903	1.21402	1.21250	1.00125	1.00000	0.84s
2904	1.27469	1.21401	1.04998	1.00000	0.85s
2905	1.31983	1.20440	1.09584	1.00000	0.85s
2906	1.22465	1.20242	1.01849	1.00000	0.83s
2907	1.25466	1.20231	1.04355	1.00000	0.85s
2908	1.24049	1.21737	1.01899	1.00000	0.85s
2909	1.22900	1.35896	0.90437	0.93333	0.85s
2910	1.26661	1.45625	0.86978	0.93333	0.84s
2911	1.21303	1.41552	0.85695	0.90000	0.84s
2912	1.25973	1.26390	0.99670	0.96667	0.84s
2913	1.21860	1.29218	0.94306	0.93333	0.84s
2914	1.20823	1.27315	0.94901	0.96667	0.84s
2915	1.24080	1.20782	1.02731	1.00000	0.84s
2916	1.22269	1.32724	0.92123	0.96667	0.85s
2917	1.21305	1.23214	0.98450	0.96667	0.86s
2918	1.30691	1.20268	1.08667	1.00000	0.85s
2919	1.28190	1.22501	1.04644	1.00000	0.84s
2920	1.27333	1.19128	1.06887	1.00000	0.85s
2921	1.27764	1.19707	1.06731	1.00000	0.84s
2922	1.36102	1.17866	1.15472	1.00000	0.84s
2923	1.28963	1.19050	1.08327	1.00000	0.84s
2924	1.21601	1.39015	0.87473	0.96667	0.84s
2925	1.20359	1.18526	1.01547	1.00000	0.84s
2926	1.21106	1.23429	0.98118	0.96667	0.84s
2927	1.19364	1.23271	0.96831	0.96667	0.84s
2928	1.20523	1.17512	1.02562	1.00000	0.85s
2929	1.19706	1.16923	1.02380	1.00000	0.85s
2930	1.26984	1.17631	1.07952	1.00000	0.85s
2931	1.17584	1.17277	1.00262	1.00000	0.84s
2932	1.25978	1.20238	1.04774	1.00000	0.85s
2933	1.19311	1.22844	0.97124	0.96667	0.85s
2934	1.20303	1.20744	0.99635	1.00000	0.84s
2935	1.19397	1.44083	0.82867	0.96667	0.85s
2936	1.20885	1.27519	0.94798	0.96667	0.85s
2937	1.23681	1.30646	0.94669	0.96667	0.85s
2938	1.19599	1.24805	0.95828	1.00000	0.85s
2939	1.25475	1.17273	1.06993	1.00000	0.85s
2940	1.24361	1.23895	1.00376	0.96667	0.85s
2941	1.23085	1.16809	1.05373	1.00000	0.84s
2942	1.19858	1.21388	0.98739	1.00000	0.84s
2943	1.19113	1.27768	0.93226	0.93333	0.84s
2944	1.21004	1.20179	1.00686	1.00000	0.84s
2945	1.26630	1.20182	1.05365	1.00000	0.85s
2946	1.17588	1.26476	0.92973	0.93333	0.84s
2947	1.32794	1.15958	1.14519	1.00000	0.85s
2948	1.23730	1.17356	1.05431	1.00000	0.85s
2949	1.31442	1.20664	1.08932	0.96667	0.84s
2950	1.19503	1.19908	0.99662	0.96667	0.84s
2951	1.26851	1.22554	1.03506	0.96667	0.84s
2952	1.20872	1.15694	1.04476	1.00000	0.84s
2953	1.18734	1.23424	0.96200	0.96667	0.86s
2954	1.16531	1.48159	0.78653	0.93333	0.84s

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   2955       1.18107       1.16670       1.01232       1.00000  0.83s
   2956       1.22891       1.15468       1.06429       1.00000  0.85s
   2957       1.16634       1.16842       0.99823       1.00000  0.85s
   2958       1.17437       1.23285       0.95257       1.00000  0.84s
   2959       1.15644       1.17337       0.98558       1.00000  0.84s
   2960       1.20025       1.19897       1.00107       1.00000  0.85s
   2961       1.14414       1.15577       0.98993       1.00000  0.84s
   2962       1.26816       1.24603       1.01776       0.96667  0.84s
   2963       1.18115       1.17857       1.00219       1.00000  0.85s
   2964       1.17332       1.24164       0.94498       0.96667  0.84s
   2965       1.15710       1.16315       0.99480       1.00000  0.84s
   2966       1.16370       1.15015       1.01178       1.00000  0.84s
   2967       1.24772       1.15764       1.07781       1.00000  0.83s
   2968       1.19136       1.20192       0.99122       1.00000  0.85s
   2969       1.17276       1.18937       0.98603       0.96667  0.84s
   2970       1.21801       1.18368       1.02900       1.00000  0.84s
   2971       1.15112       1.22713       0.93806       0.96667  0.85s
   2972       1.15024       1.15953       0.99199       1.00000  0.84s
   2973       1.16037       1.16433       0.99660       0.96667  0.84s
   2974       1.23833       1.22297       1.01255       0.96667  0.84s
   2975       1.17818       1.23044       0.95753       0.96667  0.85s
   2976       1.19200       1.19931       0.99390       1.00000  0.83s
   2977       1.19125       1.14098       1.04406       1.00000  0.84s
   2978       1.15194       1.18821       0.96948       0.96667  0.85s
   2979       1.16582       1.17236       0.99443       1.00000  0.85s
   2980       1.18656       1.24665       0.95180       0.96667  0.85s
   2981       1.13787       1.13557       1.00202       1.00000  0.84s
   2982       1.21675       1.18111       1.03017       1.00000  0.83s
   2983       1.16867       1.14662       1.01923       1.00000  0.85s
   2984       1.14733       1.18541       0.96788       0.96667  0.85s
   2985       1.21644       1.16651       1.04280       1.00000  0.84s
   2986       1.24646       1.17421       1.06153       1.00000  0.85s
   2987       1.20138       1.12953       1.06362       1.00000  0.85s
   2988       1.14455       1.23345       0.92793       0.96667  0.84s
   2989       1.15478       1.11967       1.03136       1.00000  0.84s
   2990       1.18075       1.16982       1.00935       1.00000  0.84s
   2991       1.13275       1.12985       1.00256       1.00000  0.84s
   2992       1.14264       1.28247       0.89097       0.96667  0.84s
   2993       1.16749       1.15549       1.01038       1.00000  0.84s
   2994       1.13287       1.17479       0.96432       0.96667  0.85s
   2995       1.18494       1.14144       1.03811       1.00000  0.84s
   2996       1.13364       1.12415       1.00844       1.00000  0.84s
   2997       1.22177       1.16127       1.05210       0.96667  0.84s
   2998       1.12346       1.20047       0.93584       0.96667  0.84s
   2999       1.17534       1.12337       1.04627       1.00000  0.85s
   3000       1.12375       1.17392       0.95726       0.96667  0.84s
Regularization term: 1.09730505943
2016-07-02 16:39:35,778 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:39:41,589 - root - INFO - Duration of validation: 0:00:05
   3001       1.12613       1.18948       0.94674       0.96667  0.84s
   3002       1.20320       1.11240       1.08163       1.00000  0.85s
   3003       1.12500       1.11155       1.01210       1.00000  0.84s
   3004       1.12743       1.15645       0.97490       0.96667  0.84s
   3005       1.21652       1.14804       1.05965       0.96667  0.84s
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3006	1.11339	1.12312	0.99134	1.00000	0.83s
3007	1.12905	1.10310	1.02353	1.00000	0.84s
3008	1.15676	1.15349	1.00284	0.96667	0.85s
3009	1.11852	1.22458	0.91339	0.93333	0.84s
3010	1.16900	1.13583	1.02921	1.00000	0.85s
3011	1.16648	1.15763	1.00765	0.96667	0.83s
3012	1.13996	1.15505	0.98694	1.00000	0.84s
3013	1.15215	1.19006	0.96814	0.96667	0.84s
3014	1.14353	1.12814	1.01365	0.96667	0.84s
3015	1.18535	1.18590	0.99953	0.96667	0.83s
3016	1.16875	1.10270	1.05990	1.00000	0.84s
3017	1.15890	1.11883	1.03581	1.00000	0.85s
3018	1.17887	1.18437	0.99536	0.96667	0.84s
3019	1.32674	1.13361	1.17037	0.96667	0.84s
3020	1.16940	1.14751	1.01907	0.96667	0.84s
3021	1.20216	1.12586	1.06777	1.00000	0.83s
3022	1.15961	1.12649	1.02940	0.96667	0.84s
3023	1.13671	1.24292	0.91454	0.96667	0.84s
3024	1.10780	1.10155	1.00568	1.00000	0.85s
3025	1.16612	1.12159	1.03970	1.00000	0.85s
3026	1.19320	1.09562	1.08906	1.00000	0.84s
3027	1.21411	1.09669	1.10707	1.00000	0.85s
3028	1.15830	1.20710	0.95958	0.96667	0.83s
3029	1.11946	1.14763	0.97545	0.96667	0.83s
3030	1.13141	1.19514	0.94667	0.96667	0.83s
3031	1.09943	1.11595	0.98520	1.00000	0.84s
3032	1.13999	1.16122	0.98172	0.96667	0.84s
3033	1.12668	1.25929	0.89469	0.86667	0.85s
3034	1.14401	1.19348	0.95855	0.93333	0.84s
3035	1.18557	1.08653	1.09115	1.00000	0.84s
3036	1.12842	1.13707	0.99239	0.96667	0.84s
3037	1.14162	1.09460	1.04296	1.00000	0.83s
3038	1.10044	1.09148	1.00821	1.00000	0.84s
3039	1.10018	1.07743	1.02111	1.00000	0.84s
3040	1.11326	1.07957	1.03121	1.00000	0.85s
3041	1.09433	1.14204	0.95822	0.96667	0.85s
3042	1.13590	1.08767	1.04434	1.00000	0.85s
3043	1.11518	1.11907	0.99652	1.00000	0.84s
3044	1.12571	1.14613	0.98218	0.96667	0.84s
3045	1.09433	1.18757	0.92149	0.96667	0.84s
3046	1.10504	1.08783	1.01582	1.00000	0.85s
3047	1.11393	1.07465	1.03655	1.00000	0.85s
3048	1.09086	1.18625	0.91958	0.93333	0.84s
3049	1.15272	1.06572	1.08163	1.00000	0.84s
3050	1.08701	1.10801	0.98105	1.00000	0.84s
3051	1.07584	1.13449	0.94831	1.00000	0.84s
3052	1.09813	1.17542	0.93424	1.00000	0.84s
3053	1.21035	1.09696	1.10337	1.00000	0.84s
3054	1.09024	1.08285	1.00682	1.00000	0.84s
3055	1.07738	1.08082	0.99682	1.00000	0.85s
3056	1.10269	1.10708	0.99603	1.00000	0.85s
3057	1.10336	1.23755	0.89157	0.93333	0.84s
3058	1.12690	1.05357	1.06960	1.00000	0.85s
3059	1.19963	1.33474	0.89878	0.93333	0.84s

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   3060       1.13473       1.05971       1.07079       1.00000  0.84s
   3061       1.11260       1.07208       1.03780       1.00000  0.84s
   3062       1.09339       1.08150       1.01099       1.00000  0.84s
   3063       1.10324       1.07522       1.02606       1.00000  0.84s
   3064       1.11831       1.12649       0.99274       0.93333  0.84s
   3065       1.13791       1.05458       1.07901       1.00000  0.84s
   3066       1.08165       1.06266       1.01787       1.00000  0.84s
   3067       1.06168       1.16457       0.91165       0.96667  0.85s
   3068       1.06764       1.05420       1.01275       1.00000  0.84s
   3069       1.08233       1.08094       1.00129       1.00000  0.84s
   3070       1.09102       1.26327       0.86364       0.93333  0.84s
   3071       1.06148       1.12802       0.94101       0.96667  0.84s
   3072       1.06112       1.06349       0.99777       1.00000  0.85s
   3073       1.13674       1.04166       1.09128       1.00000  0.84s
   3074       1.08122       1.07024       1.01025       0.96667  0.84s
   3075       1.09602       1.04862       1.04520       1.00000  0.84s
   3076       1.05542       1.05500       1.00040       1.00000  0.84s
   3077       1.07384       1.04882       1.02385       1.00000  0.84s
   3078       1.09313       1.06205       1.02926       1.00000  0.84s
   3079       1.08341       1.18398       0.91506       0.96667  0.85s
   3080       1.13956       1.06021       1.07484       1.00000  0.85s
   3081       1.12050       1.05934       1.05774       1.00000  0.84s
   3082       1.11157       1.04454       1.06417       1.00000  0.85s
   3083       1.03989       1.06825       0.97345       0.96667  0.85s
   3084       1.04905       1.04383       1.00500       1.00000  0.84s
   3085       1.04285       1.11546       0.93490       0.96667  0.85s
   3086       1.08025       1.12620       0.95920       0.96667  0.84s
   3087       1.08810       1.21025       0.89908       0.96667  0.84s
   3088       1.05161       1.24599       0.84400       0.93333  0.85s
   3089       1.07457       1.12153       0.95813       0.96667  0.84s
   3090       1.10809       1.16938       0.94758       0.93333  0.84s
   3091       1.03043       1.18280       0.87118       0.96667  0.84s
   3092       1.05585       1.06298       0.99329       1.00000  0.84s
   3093       1.07054       1.03916       1.03020       1.00000  0.84s
   3094       1.04534       1.04895       0.99656       1.00000  0.84s
   3095       1.05376       1.10959       0.94968       0.96667  0.85s
   3096       1.12405       1.09198       1.02937       1.00000  0.84s
   3097       1.11371       1.26880       0.87777       0.93333  0.85s
   3098       1.03749       1.09963       0.94349       0.96667  0.84s
   3099       1.10548       1.24625       0.88704       0.90000  0.84s
   3100       1.07240       1.10098       0.97404       0.96667  0.83s
Regularization term: 1.01176249981
2016-07-02 16:41:13,151 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:41:17,942 - root - INFO - Duration of validation: 0:00:04
   3101       1.04331       1.07088       0.97425       1.00000  0.84s
   3102       1.10430       1.05261       1.04911       1.00000  0.84s
   3103       1.03971       1.06560       0.97571       1.00000  0.84s
   3104       1.06305       1.06469       0.99845       0.96667  0.85s
   3105       1.05048       1.11038       0.94605       0.93333  0.85s
   3106       1.08679       1.08867       0.99827       0.96667  0.84s
   3107       1.04515       1.05769       0.98814       1.00000  0.84s
   3108       1.02688       1.08179       0.94924       0.96667  0.84s
   3109       1.05300       1.02235       1.02998       1.00000  0.84s
   3110       1.09732       1.21865       0.90043       0.90000  0.85s
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3111	1.12277	1.01469	1.10652	1.00000	0.84s
3112	1.05913	1.05569	1.00326	0.96667	0.84s
3113	1.02283	1.10681	0.92413	0.96667	0.85s
3114	1.04297	1.05391	0.98962	1.00000	0.84s
3115	1.05271	1.02766	1.02438	1.00000	0.84s
3116	1.03263	1.13958	0.90615	0.93333	0.84s
3117	1.02194	1.13837	0.89772	0.96667	0.84s
3118	1.15337	1.07381	1.07409	0.96667	0.84s
3119	1.02911	1.03880	0.99068	0.96667	0.85s
3120	1.01813	1.05298	0.96690	1.00000	0.85s
3121	1.01982	1.20250	0.84808	0.96667	0.84s
3122	1.03949	1.03887	1.00060	1.00000	0.84s
3123	1.02440	1.02734	0.99713	1.00000	0.84s
3124	1.04113	1.04770	0.99373	1.00000	0.84s
3125	1.01161	1.12125	0.90222	0.96667	0.85s
3126	1.10582	1.06562	1.03772	0.96667	0.84s
3127	1.10086	1.01699	1.08247	1.00000	0.85s
3128	1.17590	1.01655	1.15675	1.00000	0.85s
3129	1.04371	1.00405	1.03950	1.00000	0.86s
3130	1.06039	1.04892	1.01094	0.96667	0.84s
3131	1.05845	1.10099	0.96136	0.96667	0.84s
3132	1.03799	0.99792	1.04016	1.00000	0.85s
3133	1.08727	1.07245	1.01382	0.96667	0.84s
3134	1.04015	0.99821	1.04201	1.00000	0.84s
3135	1.08245	1.12026	0.96625	0.96667	0.84s
3136	1.01092	1.02873	0.98268	1.00000	0.84s
3137	1.03888	1.00263	1.03616	1.00000	0.84s
3138	1.00966	1.13499	0.88958	0.96667	0.84s
3139	1.01765	0.99037	1.02754	1.00000	0.84s
3140	1.08066	0.99280	1.08850	1.00000	0.85s
3141	1.02573	1.00052	1.02520	1.00000	0.84s
3142	1.04668	0.99199	1.05513	1.00000	0.84s
3143	0.99746	1.01918	0.97869	1.00000	0.85s
3144	0.99557	1.01312	0.98267	0.96667	0.85s
3145	1.05252	0.98520	1.06834	1.00000	0.84s
3146	0.99797	1.02969	0.96920	0.96667	0.85s
3147	1.00756	0.97822	1.03000	1.00000	0.85s
3148	1.01123	0.98509	1.02653	1.00000	0.84s
3149	1.01831	0.98137	1.03764	1.00000	0.85s
3150	1.01578	0.99693	1.01890	1.00000	0.85s
3151	1.03317	1.00948	1.02346	1.00000	0.84s
3152	1.03306	1.02904	1.00390	1.00000	0.84s
3153	1.00090	1.02259	0.97879	1.00000	0.84s
3154	1.10655	1.05254	1.05131	0.96667	0.84s
3155	0.99972	1.05517	0.94745	0.96667	0.84s
3156	0.99356	0.99302	1.00054	1.00000	0.84s
3157	0.99197	1.04091	0.95299	0.96667	0.85s
3158	1.02192	0.99380	1.02830	1.00000	0.84s
3159	0.99244	1.03749	0.95657	0.96667	0.84s
3160	1.04533	1.09523	0.95444	0.96667	0.84s
3161	0.98345	1.00027	0.98319	1.00000	0.85s
3162	0.98926	1.05105	0.94121	0.96667	0.84s
3163	0.98765	0.98386	1.00385	1.00000	0.83s
3164	0.99590	0.98263	1.01350	1.00000	0.85s

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   3165       1.00025       0.99297       1.00734       1.00000  0.84s
   3166       1.01375       0.98471       1.02950       1.00000  0.83s
   3167       0.97963       0.97304       1.00677       1.00000  0.84s
   3168       0.99788       0.98424       1.01386       1.00000  0.84s
   3169       0.97373       0.99404       0.97957       1.00000  0.84s
   3170       0.97386       0.98705       0.98663       1.00000  0.84s
   3171       0.98142       0.97036       1.01141       1.00000  0.84s
   3172       0.99985       1.15821       0.86327       0.96667  0.84s
   3173       1.04589       0.97765       1.06980       1.00000  0.85s
   3174       0.98844       1.29545       0.76301       0.93333  0.83s
   3175       1.07504       1.09556       0.98127       0.93333  0.83s
   3176       1.02607       0.97140       1.05628       1.00000  0.84s
   3177       0.99158       0.96788       1.02449       1.00000  0.85s
   3178       1.01243       0.96604       1.04802       1.00000  0.84s
   3179       0.98402       1.09295       0.90034       0.96667  0.84s
   3180       1.03612       0.99548       1.04083       1.00000  0.85s
   3181       1.00492       1.07538       0.93448       0.96667  0.84s
   3182       0.98128       1.10340       0.88932       0.93333  0.84s
   3183       1.03466       0.97919       1.05665       1.00000  0.84s
   3184       0.99545       1.04069       0.95653       0.96667  0.84s
   3185       0.98416       0.96633       1.01845       1.00000  0.84s
   3186       0.96922       0.95547       1.01440       1.00000  0.84s
   3187       0.99568       1.00223       0.99346       1.00000  0.85s
   3188       1.02023       0.99602       1.02431       1.00000  0.84s
   3189       0.98909       0.98024       1.00903       1.00000  0.84s
   3190       0.98021       0.99685       0.98330       0.96667  0.84s
   3191       0.99113       1.07583       0.92128       0.93333  0.84s
   3192       0.99820       0.97631       1.02241       1.00000  0.85s
   3193       1.01698       0.98132       1.03634       1.00000  0.85s
   3194       0.98335       1.02669       0.95779       0.93333  0.85s
   3195       1.12385       0.96504       1.16457       1.00000  0.86s
   3196       0.99142       1.02438       0.96783       1.00000  0.85s
   3197       0.97155       0.95816       1.01397       1.00000  0.84s
   3198       0.96715       0.97373       0.99324       1.00000  0.85s
   3199       1.04340       0.99079       1.05309       0.96667  0.85s
   3200       1.00366       1.02757       0.97673       0.96667  0.85s
Regularization term: 0.935271441936
2016-07-02 16:42:50,702 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 16:42:55,250 - root - INFO - Duration of validation: 0:00:04
   3201       0.97125       1.26555       0.76745       0.90000  0.86s
   3202       0.98412       0.94476       1.04166       1.00000  0.85s
   3203       1.00295       1.05569       0.95004       0.96667  0.84s
   3204       1.01232       0.94571       1.07043       1.00000  0.84s
   3205       0.99957       0.96658       1.03413       1.00000  0.84s
   3206       0.95649       1.06979       0.89409       0.96667  0.84s
   3207       0.95881       0.94455       1.01510       1.00000  0.84s
   3208       0.99072       0.96232       1.02951       1.00000  0.84s
   3209       1.00368       0.97512       1.02928       1.00000  0.85s
   3210       0.96763       0.95266       1.01572       1.00000  0.84s
   3211       0.97280       0.96725       1.00573       1.00000  0.84s
   3212       0.96744       0.94813       1.02037       1.00000  0.84s
   3213       0.98413       0.93890       1.04817       1.00000  0.83s
   3214       0.99095       0.94007       1.05413       1.00000  0.84s
   3215       0.93558       0.93847       0.99692       1.00000  0.84s
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3216	0.98797	0.99246	0.99548	0.96667	0.84s
3217	0.94765	0.95267	0.99472	1.00000	0.84s
3218	0.98569	0.94797	1.03979	1.00000	0.85s
3219	0.93983	0.93367	1.00660	1.00000	0.84s
3220	0.98087	0.96012	1.02162	0.96667	0.84s
3221	1.00665	0.96557	1.04255	0.96667	0.84s
3222	0.99979	0.94125	1.06220	1.00000	0.84s
3223	0.95754	0.92911	1.03059	1.00000	0.84s
3224	0.96466	0.93117	1.03596	1.00000	0.84s
3225	0.93440	0.94138	0.99260	1.00000	0.84s
3226	0.99762	0.92741	1.07571	1.00000	0.84s
3227	0.95709	0.94482	1.01299	1.00000	0.84s
3228	0.95252	1.08526	0.87769	0.96667	0.84s
3229	1.02399	0.95492	1.07233	1.00000	0.85s
3230	0.93596	0.94492	0.99051	1.00000	0.84s
3231	0.94043	0.97267	0.96685	1.00000	0.84s
3232	0.94514	0.94768	0.99732	1.00000	0.84s
3233	1.02082	0.92484	1.10379	1.00000	0.85s
3234	0.96033	1.00104	0.95934	0.96667	0.84s
3235	0.93474	0.95546	0.97831	0.96667	0.84s
3236	0.93121	0.92871	1.00270	1.00000	0.83s
3237	0.95127	0.92954	1.02338	1.00000	0.84s
3238	0.99063	0.94498	1.04831	1.00000	0.84s
3239	0.98807	0.96292	1.02611	0.96667	0.84s
3240	0.94783	0.92633	1.02321	1.00000	0.83s
3241	0.98958	0.94600	1.04607	1.00000	0.84s
3242	0.97545	0.94191	1.03560	1.00000	0.84s
3243	0.94202	0.91148	1.03351	1.00000	0.85s
3244	0.95578	0.99656	0.95908	0.96667	0.83s
3245	0.98833	1.00565	0.98278	0.96667	0.84s
3246	0.93632	0.95574	0.97968	0.96667	0.84s
3247	0.94892	1.01982	0.93048	0.96667	0.84s
3248	0.99289	0.93027	1.06732	1.00000	0.84s
3249	0.99905	0.93427	1.06934	1.00000	0.84s
3250	0.92010	0.91444	1.00619	1.00000	0.85s
3251	0.92521	0.91836	1.00746	1.00000	0.85s
3252	1.01363	0.92583	1.09483	1.00000	0.84s
3253	0.91843	0.94670	0.97014	0.96667	0.85s
3254	0.91893	1.14191	0.80473	0.90000	0.84s
3255	0.94597	0.92805	1.01931	1.00000	0.83s
3256	0.93596	0.98303	0.95212	0.96667	0.84s
3257	0.94102	0.94684	0.99386	1.00000	0.85s
3258	0.93393	1.17635	0.79392	0.93333	0.85s
3259	0.92705	0.97968	0.94627	0.96667	0.85s
3260	0.91284	1.00361	0.90956	0.96667	0.83s
3261	0.92535	1.10608	0.83660	0.96667	0.84s
3262	0.99928	1.05237	0.94955	0.93333	0.84s
3263	0.90927	0.96717	0.94013	0.96667	0.84s
3264	0.93696	0.95318	0.98298	0.96667	0.84s
3265	1.03692	0.90675	1.14356	1.00000	0.84s
3266	0.96387	0.93253	1.03360	1.00000	0.84s
3267	1.07030	0.97407	1.09880	0.96667	0.84s
3268	0.92311	0.95708	0.96451	0.96667	0.84s
3269	0.93859	0.92494	1.01475	1.00000	0.84s

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   3270       0.92179       1.04944       0.87836       0.96667  0.84s
   3271       0.92596       0.90423       1.02403       1.00000  0.84s
   3272       0.89729       0.89746       0.99982       1.00000  0.85s
   3273       0.92112       0.92821       0.99236       1.00000  0.85s
   3274       0.89460       0.99043       0.90325       0.93333  0.85s
   3275       0.89223       0.93670       0.95253       0.96667  0.84s
   3276       0.93677       0.89459       1.04715       1.00000  0.84s
   3277       0.95241       1.00053       0.95191       0.96667  0.84s
   3278       0.94555       0.91623       1.03200       1.00000  0.84s
   3279       0.92219       0.89800       1.02694       1.00000  0.83s
   3280       1.00021       0.94292       1.06075       0.96667  0.85s
   3281       0.88783       1.00994       0.87910       0.96667  0.85s
   3282       0.94628       0.94120       1.00540       0.96667  0.85s
   3283       0.90753       0.95471       0.95058       0.96667  0.84s
   3284       0.90811       0.88589       1.02508       1.00000  0.84s
   3285       0.88642       0.88918       0.99691       1.00000  0.84s
   3286       0.90532       0.95242       0.95054       0.96667  0.86s
   3287       0.91781       0.90793       1.01088       1.00000  0.84s
   3288       0.91420       0.88190       1.03663       1.00000  0.85s
   3289       0.91801       0.97318       0.94331       0.93333  0.85s
   3290       0.88524       0.88479       1.00052       1.00000  0.84s
   3291       0.94363       0.89984       1.04866       1.00000  0.85s
   3292       0.89831       0.91360       0.98326       1.00000  0.85s
   3293       0.91237       0.88223       1.03416       1.00000  0.84s
   3294       0.93702       0.90426       1.03622       1.00000  0.83s
   3295       0.90171       0.89066       1.01240       1.00000  0.85s
   3296       0.99000       0.98162       1.00853       0.96667  0.84s
   3297       0.92668       0.96055       0.96474       0.93333  0.85s
   3298       0.88172       0.91898       0.95946       1.00000  0.85s
   3299       0.92202       0.90313       1.02092       1.00000  0.84s
   3300       0.89213       0.89060       1.00172       1.00000  0.84s
Regularization term: 0.865678668022
2016-07-02 16:44:29,033 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 16:44:33,569 - root - INFO - Duration of validation: 0:00:04
   3301       0.91619       0.93438       0.98053       1.00000  0.84s
   3302       0.88186       0.88569       0.99568       1.00000  0.84s
   3303       0.89135       0.88156       1.01111       1.00000  0.83s
   3304       0.95729       0.97892       0.97790       0.93333  0.85s
   3305       0.97091       0.89577       1.08387       1.00000  0.85s
   3306       0.89483       0.87535       1.02225       1.00000  0.85s
   3307       0.90747       0.86666       1.04708       1.00000  0.85s
   3308       0.87587       0.86732       1.00986       1.00000  0.85s
   3309       0.92708       0.87715       1.05692       1.00000  0.84s
   3310       0.90891       0.89324       1.01753       1.00000  0.84s
   3311       0.88512       0.87536       1.01115       1.00000  0.83s
   3312       0.94594       0.89808       1.05329       1.00000  0.84s
   3313       0.93087       0.88329       1.05386       1.00000  0.84s
   3314       0.90877       0.86788       1.04711       1.00000  0.84s
   3315       0.89882       0.88240       1.01860       1.00000  0.85s
   3316       0.91434       0.87000       1.05097       1.00000  0.84s
   3317       0.88068       0.90393       0.97429       1.00000  0.84s
   3318       0.88719       0.86450       1.02624       1.00000  0.84s
   3319       0.89983       0.95136       0.94584       0.96667  0.83s
   3320       0.89145       0.86587       1.02954       1.00000  0.85s
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3321	0.90654	0.96471	0.93971	0.96667	0.85s
3322	0.88712	0.89993	0.98577	0.96667	0.84s
3323	0.87612	0.88023	0.99533	1.00000	0.84s
3324	0.87204	0.87576	0.99575	1.00000	0.85s
3325	0.88994	0.94080	0.94593	0.96667	0.84s
3326	0.88631	0.88144	1.00552	1.00000	0.84s
3327	0.88226	0.90714	0.97258	1.00000	0.84s
3328	0.88579	0.88684	0.99881	1.00000	0.84s
3329	0.85779	0.86664	0.98979	1.00000	0.84s
3330	0.86718	0.89480	0.96914	1.00000	0.85s
3331	0.91324	0.87979	1.03802	1.00000	0.84s
3332	0.88617	0.89743	0.98746	0.96667	0.85s
3333	0.87236	0.90426	0.96472	0.96667	0.85s
3334	0.86013	0.89204	0.96422	1.00000	0.85s
3335	0.86120	0.92140	0.93467	0.96667	0.84s
3336	0.92888	0.85724	1.08357	1.00000	0.85s
3337	0.86607	0.96632	0.89625	0.96667	0.86s
3338	0.87872	0.86156	1.01991	1.00000	0.85s
3339	0.84968	0.85767	0.99068	1.00000	0.85s
3340	0.87264	0.88998	0.98051	1.00000	0.85s
3341	0.88067	0.86430	1.01894	1.00000	0.84s
3342	0.85531	0.94026	0.90965	1.00000	0.84s
3343	0.88874	0.90214	0.98515	1.00000	0.85s
3344	0.95500	0.88578	1.07815	1.00000	0.85s
3345	0.89018	0.87981	1.01178	0.96667	0.85s
3346	0.88535	0.85217	1.03894	1.00000	0.85s
3347	0.87136	0.87935	0.99092	1.00000	0.84s
3348	0.87599	0.86386	1.01404	1.00000	0.84s
3349	0.92756	0.84787	1.09399	1.00000	0.86s
3350	0.86154	0.88483	0.97368	1.00000	0.84s
3351	0.86240	0.86060	1.00209	1.00000	0.84s
3352	0.85927	0.84726	1.01417	1.00000	0.84s
3353	0.86354	0.84772	1.01866	1.00000	0.85s
3354	0.90283	0.85425	1.05687	1.00000	0.85s
3355	0.94017	0.87054	1.07998	1.00000	0.85s
3356	0.85936	0.84975	1.01131	1.00000	0.85s
3357	0.86369	0.84714	1.01953	1.00000	0.85s
3358	0.87073	0.97600	0.89214	0.93333	0.85s
3359	0.93853	0.89549	1.04806	0.96667	0.84s
3360	0.89380	0.86500	1.03329	1.00000	0.85s
3361	0.91527	0.88310	1.03643	1.00000	0.85s
3362	0.89995	0.84644	1.06321	1.00000	0.84s
3363	0.87441	0.83583	1.04616	1.00000	0.84s
3364	0.88093	0.85527	1.03000	1.00000	0.85s
3365	0.85491	0.83957	1.01827	1.00000	0.85s
3366	0.85808	0.88104	0.97395	0.96667	0.84s
3367	0.84430	0.85106	0.99206	1.00000	0.85s
3368	0.87252	0.84693	1.03022	1.00000	0.85s
3369	0.87970	0.94020	0.93565	0.96667	0.86s
3370	0.92829	1.01456	0.91497	0.90000	0.86s
3371	0.83831	0.88489	0.94736	1.00000	0.85s
3372	0.87177	0.84760	1.02851	1.00000	0.85s
3373	0.84789	1.04444	0.81181	0.93333	0.84s
3374	0.85554	0.82365	1.03872	1.00000	0.84s

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   3375       0.87273       0.84704       1.03033       1.00000  0.84s
   3376       0.84126       0.86556       0.97193       0.96667  0.86s
   3377       0.83763       0.95214       0.87973       0.93333  0.84s
   3378       0.87165       0.83334       1.04597       1.00000  0.85s
   3379       0.83383       0.86241       0.96686       0.96667  0.84s
   3380       0.95507       0.81886       1.16635       1.00000  0.85s
   3381       0.84215       0.83877       1.00403       1.00000  0.85s
   3382       0.83281       0.89366       0.93191       0.96667  0.85s
   3383       0.86566       0.89713       0.96492       0.96667  0.84s
   3384       0.92750       0.87119       1.06464       0.96667  0.85s
   3385       0.85399       0.81991       1.04156       1.00000  0.84s
   3386       0.82324       0.83069       0.99103       1.00000  0.84s
   3387       0.82624       0.89356       0.92466       0.96667  0.84s
   3388       0.84142       0.83114       1.01237       1.00000  0.85s
   3389       0.87874       0.83795       1.04867       1.00000  0.85s
   3390       0.89452       0.87539       1.02185       0.96667  0.85s
   3391       0.86657       0.82951       1.04467       1.00000  0.84s
   3392       0.89959       0.83013       1.08367       1.00000  0.86s
   3393       0.83062       0.87629       0.94789       1.00000  0.85s
   3394       0.86035       0.86326       0.99663       1.00000  0.85s
   3395       0.89090       0.83471       1.06732       1.00000  0.85s
   3396       0.85020       0.83440       1.01894       1.00000  0.84s
   3397       0.82171       0.88929       0.92401       1.00000  0.85s
   3398       0.81915       1.11804       0.73267       0.90000  0.84s
   3399       0.85415       0.94992       0.89919       0.96667  0.84s
   3400       0.81378       0.87848       0.92635       1.00000  0.84s
Regularization term: 0.801652371883
2016-07-02 16:46:06,571 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:46:11,569 - root - INFO - Duration of validation: 0:00:04
   3401       0.82193       0.80968       1.01513       1.00000  0.86s
   3402       0.84901       0.81022       1.04787       1.00000  0.84s
   3403       0.81514       0.81682       0.99795       1.00000  0.85s
   3404       0.82015       0.95624       0.85768       0.93333  0.84s
   3405       0.84311       0.87400       0.96465       0.96667  0.85s
   3406       0.85987       0.83324       1.03195       1.00000  0.85s
   3407       0.84041       0.80969       1.03795       1.00000  0.83s
   3408       0.82398       0.83906       0.98203       1.00000  0.85s
   3409       0.85667       0.82118       1.04322       1.00000  0.85s
   3410       0.95690       0.91524       1.04552       0.96667  0.84s
   3411       0.83087       0.84043       0.98862       1.00000  0.85s
   3412       0.86873       0.80962       1.07302       1.00000  0.84s
   3413       0.83609       0.81824       1.02182       1.00000  0.85s
   3414       0.82884       0.81753       1.01383       1.00000  0.84s
   3415       0.82225       0.91895       0.89477       0.96667  0.84s
   3416       0.83511       0.80563       1.03660       1.00000  0.84s
   3417       0.83042       0.83526       0.99421       1.00000  0.85s
   3418       0.84514       0.85146       0.99259       0.96667  0.85s
   3419       0.82104       0.84001       0.97742       0.96667  0.85s
   3420       0.81288       0.85759       0.94787       1.00000  0.85s
   3421       0.80931       0.81074       0.99823       1.00000  0.84s
   3422       0.86701       0.79548       1.08993       1.00000  0.85s
   3423       0.80276       0.92127       0.87136       0.96667  0.84s
   3424       0.89811       0.81792       1.09804       1.00000  0.84s
   3425       0.82971       0.79733       1.04062       1.00000  0.85s
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3426	0.80990	0.81231	0.99703	1.00000	0.85s
3427	0.87139	0.79610	1.09457	1.00000	0.84s
3428	0.79515	0.84156	0.94485	0.96667	0.84s
3429	0.83972	0.84035	0.99926	0.96667	0.85s
3430	0.85001	0.80303	1.05851	1.00000	0.84s
3431	0.80644	0.79496	1.01444	1.00000	0.84s
3432	0.87350	0.81351	1.07374	1.00000	0.85s
3433	0.79254	0.79371	0.99853	1.00000	0.84s
3434	0.80783	0.91218	0.88560	0.93333	0.86s
3435	0.85557	0.86825	0.98539	0.96667	0.84s
3436	0.79560	0.80570	0.98746	1.00000	0.85s
3437	0.82777	0.79682	1.03885	1.00000	0.85s
3438	0.80322	0.79195	1.01423	1.00000	0.84s
3439	0.82353	0.81444	1.01115	1.00000	0.83s
3440	0.80543	0.78751	1.02275	1.00000	0.84s
3441	0.80826	0.82464	0.98013	1.00000	0.85s
3442	0.80314	0.83038	0.96719	0.96667	0.84s
3443	0.81153	0.79953	1.01501	1.00000	0.84s
3444	0.85319	0.82053	1.03980	1.00000	0.84s
3445	0.78644	0.89257	0.88110	0.96667	0.85s
3446	0.81062	0.81600	0.99341	1.00000	0.85s
3447	0.78738	0.82510	0.95428	1.00000	0.85s
3448	0.80653	0.81256	0.99259	1.00000	0.85s
3449	0.81250	0.79599	1.02075	1.00000	0.85s
3450	0.81243	0.85509	0.95011	1.00000	0.84s
3451	0.84117	0.80525	1.04460	1.00000	0.85s
3452	0.80383	0.85704	0.93791	0.96667	0.85s
3453	0.80067	0.78570	1.01905	1.00000	0.84s
3454	0.79472	0.82307	0.96556	0.96667	0.85s
3455	0.80672	1.04750	0.77013	0.96667	0.85s
3456	0.78349	0.78834	0.99384	1.00000	0.85s
3457	0.85715	1.01893	0.84123	0.93333	0.85s
3458	0.81671	1.01375	0.80563	0.93333	0.85s
3459	0.85396	0.79320	1.07661	1.00000	0.84s
3460	0.81615	0.90628	0.90054	0.96667	0.84s
3461	0.82756	0.78820	1.04994	1.00000	0.85s
3462	0.86722	0.90108	0.96243	0.96667	0.84s
3463	0.79285	0.90436	0.87670	0.93333	0.84s
3464	0.80131	0.78641	1.01896	1.00000	0.85s
3465	0.78579	0.78253	1.00417	1.00000	0.85s
3466	0.78702	0.84861	0.92742	0.96667	0.84s
3467	0.80043	0.78501	1.01964	1.00000	0.84s
3468	0.80562	0.82701	0.97413	0.96667	0.85s
3469	0.81452	1.02492	0.79471	0.96667	0.85s
3470	0.83181	0.77593	1.07202	1.00000	0.85s
3471	0.79902	0.80771	0.98925	1.00000	0.84s
3472	0.87452	0.77635	1.12645	1.00000	0.85s
3473	0.84150	0.78285	1.07491	1.00000	0.85s
3474	0.81024	1.02230	0.79256	0.93333	0.84s
3475	0.77999	0.80303	0.97132	1.00000	0.84s
3476	0.82343	0.77559	1.06168	1.00000	0.84s
3477	0.86694	0.86097	1.00694	0.93333	0.85s
3478	0.77456	0.76537	1.01201	1.00000	0.84s
3479	0.92296	0.85402	1.08072	0.93333	0.85s

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   3480       0.82642       0.80022       1.03275       1.00000  0.85s
   3481       0.79614       0.76842       1.03608       1.00000  0.85s
   3482       0.79605       1.04423       0.76233       0.93333  0.85s
   3483       0.77486       0.76602       1.01154       1.00000  0.84s
   3484       0.77489       0.78118       0.99195       1.00000  0.84s
   3485       0.77915       0.76296       1.02122       1.00000  0.85s
   3486       0.78067       0.85620       0.91179       0.96667  0.84s
   3487       0.79021       0.81852       0.96542       0.96667  0.85s
   3488       0.77995       0.79166       0.98520       1.00000  0.84s
   3489       0.81392       0.78871       1.03197       1.00000  0.85s
   3490       0.78121       0.84313       0.92656       0.96667  0.85s
   3491       0.80217       0.89078       0.90053       0.96667  0.85s
   3492       0.78023       0.75498       1.03345       1.00000  0.84s
   3493       0.86281       0.78265       1.10242       1.00000  0.85s
   3494       0.85284       0.80380       1.06102       1.00000  0.84s
   3495       0.80544       0.77131       1.04425       1.00000  0.85s
   3496       0.84903       0.78157       1.08632       1.00000  0.84s
   3497       0.75662       0.77333       0.97840       1.00000  0.84s
   3498       0.87618       0.80378       1.09008       1.00000  0.85s
   3499       0.75791       0.83945       0.90287       0.96667  0.85s
   3500       0.87604       0.76285       1.14838       1.00000  0.84s
Regularization term: 0.744067072868
2016-07-02 16:47:45,636 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:47:51,199 - root - INFO - Duration of validation: 0:00:05
   3501       0.82433       0.81055       1.01700       0.96667  0.84s
   3502       0.79290       0.84958       0.93329       0.96667  0.85s
   3503       0.79318       0.75432       1.05153       1.00000  0.85s
   3504       0.79606       0.88680       0.89767       0.93333  0.85s
   3505       0.76736       0.78109       0.98242       1.00000  0.85s
   3506       0.77508       0.81627       0.94954       0.96667  0.85s
   3507       0.86236       0.75859       1.13679       1.00000  0.86s
   3508       0.81229       0.75655       1.07367       1.00000  0.84s
   3509       0.77108       0.74520       1.03472       1.00000  0.84s
   3510       0.84119       0.77697       1.08266       1.00000  0.84s
   3511       0.77879       0.78908       0.98695       1.00000  0.85s
   3512       0.78744       0.76382       1.03092       1.00000  0.84s
   3513       0.76810       0.78846       0.97417       1.00000  0.84s
   3514       0.75834       0.82482       0.91940       0.96667  0.85s
   3515       0.76377       0.83249       0.91746       0.96667  0.84s
   3516       0.76597       0.99769       0.76774       0.90000  0.85s
   3517       0.76068       0.79636       0.95520       0.96667  0.85s
   3518       0.81385       0.85991       0.94643       0.93333  0.85s
   3519       0.78108       0.77823       1.00367       0.96667  0.84s
   3520       0.79025       0.80125       0.98627       1.00000  0.84s
   3521       0.76880       0.81668       0.94137       1.00000  0.85s
   3522       0.74967       0.78181       0.95889       1.00000  0.85s
   3523       0.87100       0.77794       1.11963       1.00000  0.83s
   3524       0.76984       0.75734       1.01650       1.00000  0.85s
   3525       0.78359       0.84700       0.92513       0.96667  0.85s
   3526       0.76564       0.76311       1.00332       1.00000  0.84s
   3527       0.75459       0.81721       0.92337       0.93333  0.85s
   3528       0.77267       0.84219       0.91745       0.96667  0.85s
   3529       0.75404       0.83180       0.90652       0.96667  0.85s
   3530       0.75168       0.73661       1.02045       1.00000  0.85s
```

3531	0.80823	0.88612	0.91210	0.93333	0.85s
3532	0.76661	0.92818	0.82593	0.96667	0.85s
3533	0.77368	0.74383	1.04013	1.00000	0.85s
3534	0.76892	0.73233	1.04997	1.00000	0.84s
3535	0.75386	0.74129	1.01695	1.00000	0.85s
3536	0.76488	0.79651	0.96029	1.00000	0.85s
3537	0.85723	0.80635	1.06311	0.96667	0.85s
3538	0.75524	0.73932	1.02154	1.00000	0.84s
3539	0.74513	0.84001	0.88704	0.96667	0.85s
3540	0.75956	0.74995	1.01281	1.00000	0.84s
3541	0.77974	0.74914	1.04085	1.00000	0.85s
3542	0.76455	0.73760	1.03654	1.00000	0.85s
3543	0.73504	0.73555	0.99931	1.00000	0.85s
3544	0.81329	0.89654	0.90715	0.96667	0.84s
3545	0.74584	0.77622	0.96086	0.96667	0.85s
3546	0.75317	0.73840	1.01999	1.00000	0.84s
3547	0.76601	0.75082	1.02024	1.00000	0.84s
3548	0.72740	0.78461	0.92709	0.96667	0.85s
3549	0.74361	0.73728	1.00858	1.00000	0.83s
3550	0.74673	0.73630	1.01417	1.00000	0.85s
3551	0.75258	0.72631	1.03616	1.00000	0.84s
3552	0.78006	0.77008	1.01296	1.00000	0.85s
3553	0.75007	0.77655	0.96590	1.00000	0.84s
3554	0.75302	0.73101	1.03011	1.00000	0.85s
3555	0.81475	0.79752	1.02161	0.96667	0.85s
3556	0.73887	0.72850	1.01424	1.00000	0.85s
3557	0.76087	0.75925	1.00214	1.00000	0.84s
3558	0.77003	0.72822	1.05741	1.00000	0.84s
3559	0.77967	0.78868	0.98858	1.00000	0.85s
3560	0.73653	0.80455	0.91545	0.96667	0.85s
3561	0.78518	0.81257	0.96630	0.96667	0.85s
3562	0.78222	0.77825	1.00509	0.96667	0.85s
3563	0.74683	0.73215	1.02005	1.00000	0.85s
3564	0.74442	0.72817	1.02231	1.00000	0.86s
3565	0.72406	0.72781	0.99486	1.00000	0.84s
3566	0.77757	0.76752	1.01310	1.00000	0.85s
3567	0.78477	0.85979	0.91275	0.93333	0.84s
3568	0.74527	0.75361	0.98893	1.00000	0.85s
3569	0.73550	0.72198	1.01872	1.00000	0.86s
3570	0.78289	0.77324	1.01249	1.00000	0.84s
3571	0.77664	0.75077	1.03445	1.00000	0.84s
3572	0.74368	0.78484	0.94757	1.00000	0.85s
3573	0.78786	0.74052	1.06394	1.00000	0.85s
3574	0.79953	0.72596	1.10135	1.00000	0.84s
3575	0.72472	0.79064	0.91662	1.00000	0.84s
3576	0.73940	0.80986	0.91299	0.90000	0.85s
3577	0.77820	0.91118	0.85405	0.96667	0.85s
3578	0.78809	0.83682	0.94177	0.90000	0.84s
3579	0.72789	0.84704	0.85933	0.96667	0.85s
3580	0.74681	0.74038	1.00868	0.96667	0.84s
3581	0.74124	0.81176	0.91313	0.96667	0.85s
3582	0.75558	0.81048	0.93226	0.93333	0.85s
3583	0.72286	0.74034	0.97639	1.00000	0.83s
3584	0.78428	0.74035	1.05933	1.00000	0.85s

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   3585       0.78737       0.72247       1.08984       1.00000  0.86s
   3586       0.78604       0.72979       1.07708       1.00000  0.85s
   3587       0.75293       0.80420       0.93625       0.93333  0.85s
   3588       0.72579       0.77757       0.93341       0.96667  0.84s
   3589       0.73146       0.76370       0.95779       0.96667  0.86s
   3590       0.72039       0.74480       0.96722       1.00000  0.85s
   3591       0.76688       0.71231       1.07661       1.00000  0.84s
   3592       0.71786       0.95233       0.75379       0.96667  0.85s
   3593       0.72969       0.76358       0.95561       0.96667  0.84s
   3594       0.72375       0.79625       0.90896       0.96667  0.85s
   3595       0.78995       0.72967       1.08261       1.00000  0.84s
   3596       0.79230       0.91225       0.86851       0.96667  0.86s
   3597       0.74268       0.81129       0.91543       0.96667  0.85s
   3598       0.75607       0.73036       1.03521       1.00000  0.84s
   3599       0.76156       0.73100       1.04181       1.00000  0.84s
   3600       0.80276       0.80814       0.99334       0.96667  0.85s
Regularization term: 0.693283855915
2016-07-02 16:49:23,189 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:49:27,997 - root - INFO - Duration of validation: 0:00:04
   3601       0.72531       0.70556       1.02799       1.00000  0.85s
   3602       0.71419       0.71462       0.99941       1.00000  0.85s
   3603       0.77382       0.78204       0.98949       0.96667  0.85s
   3604       0.71529       0.73269       0.97626       1.00000  0.85s
   3605       0.77316       0.70969       1.08944       1.00000  0.85s
   3606       0.74626       0.80019       0.93260       0.96667  0.85s
   3607       0.73867       0.72125       1.02416       1.00000  0.84s
   3608       0.86439       0.85458       1.01148       0.96667  0.84s
   3609       0.71045       0.79293       0.89598       0.96667  0.84s
   3610       0.74875       0.75522       0.99143       0.96667  0.84s
   3611       0.73919       0.74240       0.99568       1.00000  0.85s
   3612       0.70226       0.82782       0.84833       0.96667  0.85s
   3613       0.75765       0.72431       1.04603       0.96667  0.85s
   3614       0.70686       0.73430       0.96264       0.96667  0.84s
   3615       0.80280       0.72581       1.10608       0.96667  0.85s
   3616       0.73964       0.79462       0.93081       0.96667  0.84s
   3617       0.71459       0.73104       0.97750       1.00000  0.84s
   3618       0.69831       0.74687       0.93497       0.96667  0.86s
   3619       0.73101       0.70456       1.03753       1.00000  0.85s
   3620       0.70961       0.87128       0.81445       0.93333  0.84s
   3621       0.72320       0.75828       0.95374       0.96667  0.85s
   3622       0.69865       0.77373       0.90296       0.96667  0.84s
   3623       0.75201       0.70954       1.05985       1.00000  0.84s
   3624       0.71924       0.70963       1.01355       1.00000  0.85s
   3625       0.72607       0.74536       0.97411       0.96667  0.85s
   3626       0.69799       0.92395       0.75544       0.90000  0.85s
   3627       0.75783       0.73754       1.02751       0.96667  0.84s
   3628       0.70349       0.69430       1.01323       1.00000  0.84s
   3629       0.79398       0.94657       0.83880       0.93333  0.85s
   3630       0.73885       0.84681       0.87251       0.96667  0.84s
   3631       0.73385       0.69160       1.06109       1.00000  0.84s
   3632       0.69643       0.84737       0.82188       0.93333  0.85s
   3633       0.86262       0.69705       1.23754       1.00000  0.85s
   3634       0.68763       0.68924       0.99766       1.00000  0.85s
   3635       0.78351       0.74571       1.05070       1.00000  0.85s
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3636	0.69627	0.70333	0.98996	1.00000	0.85s
3637	0.72416	0.71436	1.01372	1.00000	0.86s
3638	0.70841	0.69551	1.01854	1.00000	0.84s
3639	0.76221	0.70978	1.07386	1.00000	0.84s
3640	0.80146	0.69979	1.14528	1.00000	0.84s
3641	0.75582	0.75290	1.00387	0.96667	0.85s
3642	0.77127	0.78626	0.98094	0.96667	0.85s
3643	0.75188	0.71029	1.05855	1.00000	0.85s
3644	0.71061	0.70240	1.01168	1.00000	0.85s
3645	0.74053	0.79542	0.93099	0.96667	0.84s
3646	0.72401	0.73254	0.98835	0.96667	0.85s
3647	0.71690	0.80443	0.89119	0.96667	0.84s
3648	0.68735	0.70458	0.97554	1.00000	0.84s
3649	0.70006	0.72445	0.96634	0.96667	0.85s
3650	0.70497	0.68299	1.03218	1.00000	0.85s
3651	0.68353	0.68709	0.99483	1.00000	0.84s
3652	0.69384	0.71319	0.97287	1.00000	0.84s
3653	0.69300	0.71786	0.96537	1.00000	0.84s
3654	0.76468	0.76393	1.00098	0.96667	0.84s
3655	0.69694	0.71735	0.97154	1.00000	0.84s
3656	0.76861	0.74942	1.02561	0.96667	0.85s
3657	0.72587	0.69933	1.03795	1.00000	0.85s
3658	0.70917	0.74859	0.94734	0.96667	0.85s
3659	0.70152	0.72774	0.96397	0.96667	0.85s
3660	0.72588	0.68266	1.06332	1.00000	0.84s
3661	0.68590	0.86366	0.79418	0.96667	0.84s
3662	0.76437	0.67998	1.12412	1.00000	0.84s
3663	0.73194	0.76331	0.95891	0.96667	0.84s
3664	0.71643	0.67715	1.05802	1.00000	0.85s
3665	0.74076	0.69136	1.07146	1.00000	0.86s
3666	0.69729	0.68154	1.02311	1.00000	0.84s
3667	0.73637	0.67360	1.09319	1.00000	0.86s
3668	0.67885	0.72918	0.93097	0.96667	0.84s
3669	0.69405	0.67634	1.02618	1.00000	0.84s
3670	0.80567	0.66843	1.20531	1.00000	0.84s
3671	0.74476	0.89898	0.82844	0.96667	0.84s
3672	0.71659	0.68857	1.04069	1.00000	0.86s
3673	0.72245	0.73079	0.98860	0.96667	0.85s
3674	0.77942	0.78233	0.99627	0.96667	0.84s
3675	0.71607	0.71905	0.99586	0.96667	0.84s
3676	0.74067	0.69248	1.06959	1.00000	0.84s
3677	0.72033	0.76486	0.94177	0.96667	0.85s
3678	0.69842	0.68262	1.02314	1.00000	0.84s
3679	0.69718	0.67468	1.03335	1.00000	0.85s
3680	0.71526	0.74030	0.96617	1.00000	0.84s
3681	0.72363	0.82506	0.87707	0.93333	0.85s
3682	0.70317	0.67685	1.03890	1.00000	0.84s
3683	0.71540	0.77545	0.92255	0.96667	0.85s
3684	0.68585	0.68894	0.99552	1.00000	0.84s
3685	0.69518	0.88372	0.78664	0.93333	0.85s
3686	0.72051	0.84260	0.85510	0.96667	0.84s
3687	0.77554	0.66623	1.16409	1.00000	0.85s
3688	0.72115	0.72213	0.99864	0.96667	0.85s
3689	0.69581	0.69389	1.00277	1.00000	0.85s

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   3690       0.77031       0.68823       1.11927       1.00000  0.85s
   3691       0.76739       0.66853       1.14789       1.00000  0.84s
   3692       0.77838       0.66109       1.17742       1.00000  0.85s
   3693       0.67557       0.66843       1.01069       1.00000  0.84s
   3694       0.68098       0.70201       0.97004       1.00000  0.84s
   3695       0.70187       0.73041       0.96092       0.96667  0.85s
   3696       0.68954       0.66428       1.03804       1.00000  0.85s
   3697       0.66737       0.66711       1.00039       1.00000  0.84s
   3698       0.75501       0.66049       1.14310       1.00000  0.84s
   3699       0.68626       0.79302       0.86537       0.96667  0.85s
   3700       0.72228       0.69138       1.04470       0.96667  0.85s
Regularization term: 0.649048805237
2016-07-02 16:50:59,929 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:51:05,631 - root - INFO - Duration of validation: 0:00:05
   3701       0.78126       0.76482       1.02150       0.96667  0.84s
   3702       0.68946       0.72229       0.95454       0.96667  0.84s
   3703       0.66396       0.69503       0.95529       1.00000  0.85s
   3704       0.66766       0.68962       0.96815       1.00000  0.85s
   3705       0.68582       0.75547       0.90781       0.96667  0.85s
   3706       0.70624       0.65824       1.07291       1.00000  0.85s
   3707       0.67373       0.73552       0.91599       0.96667  0.85s
   3708       0.70105       0.69182       1.01334       1.00000  0.85s
   3709       0.66485       0.71880       0.92495       0.96667  0.84s
   3710       0.67259       0.69342       0.96996       0.96667  0.85s
   3711       0.66645       0.66859       0.99679       1.00000  0.85s
   3712       0.69659       0.66689       1.04452       1.00000  0.85s
   3713       0.69886       0.65897       1.06054       1.00000  0.86s
   3714       0.67830       0.72007       0.94199       0.96667  0.85s
   3715       0.67619       0.65999       1.02456       1.00000  0.84s
   3716       0.66160       0.72671       0.91041       0.96667  0.84s
   3717       0.67741       0.70220       0.96469       0.96667  0.85s
   3718       0.70570       0.67240       1.04953       1.00000  0.84s
   3719       0.67485       0.66412       1.01616       1.00000  0.84s
   3720       0.68366       0.69025       0.99045       1.00000  0.85s
   3721       0.73021       0.70719       1.03255       0.96667  0.86s
   3722       0.74658       0.74442       1.00290       0.96667  0.85s
   3723       0.68783       0.66635       1.03223       1.00000  0.84s
   3724       0.67727       0.64901       1.04356       1.00000  0.84s
   3725       0.67447       0.75003       0.89926       0.96667  0.85s
   3726       0.66932       0.67394       0.99314       1.00000  0.84s
   3727       0.71667       0.70777       1.01258       0.96667  0.84s
   3728       0.67527       0.66806       1.01079       1.00000  0.85s
   3729       0.67893       0.77204       0.87941       0.96667  0.85s
   3730       0.68007       0.65756       1.03422       1.00000  0.85s
   3731       0.67941       0.68392       0.99340       0.96667  0.85s
   3732       0.66213       0.66876       0.99008       1.00000  0.85s
   3733       0.79817       0.67642       1.17998       1.00000  0.84s
   3734       0.66924       0.64608       1.03586       1.00000  0.84s
   3735       0.67098       0.65326       1.02712       1.00000  0.85s
   3736       0.69311       0.67617       1.02505       1.00000  0.85s
   3737       0.74080       0.69714       1.06263       0.96667  0.86s
   3738       0.81486       0.66195       1.23101       1.00000  0.84s
   3739       0.69654       0.68468       1.01732       1.00000  0.85s
   3740       0.64827       0.68783       0.94249       0.96667  0.84s
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3741	0.71685	0.69366	1.03343	0.96667	0.84s
3742	0.68779	0.68356	1.00619	0.96667	0.84s
3743	0.70961	0.69978	1.01405	0.96667	0.84s
3744	0.65725	0.82187	0.79971	0.93333	0.85s
3745	0.69121	0.64760	1.06735	1.00000	0.85s
3746	0.69315	0.66963	1.03512	1.00000	0.85s
3747	0.69172	0.68982	1.00276	0.96667	0.86s
3748	0.68171	0.67279	1.01325	0.96667	0.85s
3749	0.67967	0.65579	1.03641	1.00000	0.85s
3750	0.65485	0.76347	0.85772	0.96667	0.85s
3751	0.66775	0.73617	0.90706	0.96667	0.85s
3752	0.65249	0.65360	0.99830	1.00000	0.84s
3753	0.67510	0.74089	0.91121	0.96667	0.85s
3754	0.67278	0.65602	1.02555	1.00000	0.85s
3755	0.70864	0.64649	1.09614	1.00000	0.84s
3756	0.68226	0.64166	1.06327	1.00000	0.85s
3757	0.66284	0.63766	1.03948	1.00000	0.85s
3758	0.68547	0.64788	1.05803	1.00000	0.84s
3759	0.68848	0.68814	1.00049	0.96667	0.85s
3760	0.65917	0.64494	1.02205	1.00000	0.84s
3761	0.67696	0.64370	1.05167	1.00000	0.85s
3762	0.65178	0.68565	0.95061	1.00000	0.85s
3763	0.64239	0.74716	0.85977	0.93333	0.85s
3764	0.65205	0.64901	1.00469	1.00000	0.86s
3765	0.65859	0.66678	0.98771	0.96667	0.85s
3766	0.65797	0.65790	1.00010	1.00000	0.85s
3767	0.65299	0.78179	0.83525	0.96667	0.85s
3768	0.64837	0.69474	0.93325	0.96667	0.85s
3769	0.64161	0.64262	0.99843	1.00000	0.85s
3770	0.67426	0.65724	1.02590	1.00000	0.85s
3771	0.64984	0.63602	1.02173	1.00000	0.85s
3772	0.64377	0.67768	0.94996	1.00000	0.85s
3773	0.71382	0.69275	1.03042	1.00000	0.85s
3774	0.65904	0.70316	0.93725	0.96667	0.85s
3775	0.70480	0.63296	1.11350	1.00000	0.84s
3776	0.64344	0.64887	0.99163	1.00000	0.84s
3777	0.68383	0.62788	1.08911	1.00000	0.85s
3778	0.64422	0.74974	0.85926	0.96667	0.84s
3779	0.63766	0.77806	0.81955	0.93333	0.84s
3780	0.77071	0.65831	1.17074	1.00000	0.84s
3781	0.65861	0.71848	0.91667	1.00000	0.85s
3782	0.68262	0.63730	1.07110	1.00000	0.85s
3783	0.64059	0.63901	1.00248	1.00000	0.85s
3784	0.67168	0.70436	0.95360	0.96667	0.85s
3785	0.62670	0.75336	0.83187	0.96667	0.85s
3786	0.72943	0.62553	1.16609	1.00000	0.85s
3787	0.65833	0.64234	1.02489	1.00000	0.85s
3788	0.71913	0.67432	1.06644	1.00000	0.85s
3789	0.66045	0.65211	1.01279	1.00000	0.84s
3790	0.63546	0.87557	0.72577	0.93333	0.84s
3791	0.65801	0.67440	0.97569	0.96667	0.85s
3792	0.63291	0.63904	0.99041	1.00000	0.85s
3793	0.67262	0.69251	0.97128	0.96667	0.85s
3794	0.63286	0.69576	0.90959	0.96667	0.84s

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   3795       0.66054       0.79456       0.83133       0.96667  0.84s
   3796       0.64946       0.79884       0.81301       0.96667  0.84s
   3797       0.64514       0.62277       1.03591       1.00000  0.84s
   3798       0.64281       0.62654       1.02597       1.00000  0.85s
   3799       0.66896       0.67447       0.99183       0.96667  0.85s
   3800       0.62423       0.77257       0.80799       0.96667  0.85s
Regularization term: 0.610097110271
2016-07-02 16:52:37,614 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:52:43,386 - root - INFO - Duration of validation: 0:00:05
   3801       0.65562       0.67558       0.97045       1.00000  0.87s
   3802       0.64315       0.63787       1.00828       1.00000  0.84s
   3803       0.74967       0.75729       0.98993       0.96667  0.85s
   3804       0.63068       0.62980       1.00141       1.00000  0.84s
   3805       0.62705       0.64822       0.96735       1.00000  0.84s
   3806       0.67615       0.68834       0.98228       0.96667  0.84s
   3807       0.62686       0.63937       0.98042       1.00000  0.83s
   3808       0.65754       0.62100       1.05883       1.00000  0.85s
   3809       0.62295       0.66001       0.94385       1.00000  0.84s
   3810       0.63927       0.75736       0.84408       0.96667  0.85s
   3811       0.64140       0.65316       0.98199       0.96667  0.84s
   3812       0.62109       0.71299       0.87110       0.96667  0.84s
   3813       0.62225       0.61521       1.01145       1.00000  0.85s
   3814       0.63976       0.64003       0.99958       1.00000  0.84s
   3815       0.64869       0.63235       1.02583       1.00000  0.84s
   3816       0.68493       0.67329       1.01729       1.00000  0.84s
   3817       0.70231       0.76668       0.91604       0.93333  0.84s
   3818       0.64051       0.75823       0.84475       0.93333  0.85s
   3819       0.66647       0.68423       0.97404       0.96667  0.84s
   3820       0.62361       0.76667       0.81341       0.96667  0.85s
   3821       0.63409       0.69833       0.90801       0.93333  0.85s
   3822       0.64599       0.74324       0.86916       0.96667  0.85s
   3823       0.61560       0.64243       0.95824       1.00000  0.84s
   3824       0.68051       0.60635       1.12230       1.00000  0.84s
   3825       0.69963       0.65629       1.06604       0.96667  0.84s
   3826       0.62588       0.75580       0.82811       0.93333  0.85s
   3827       0.63125       0.62369       1.01214       1.00000  0.84s
   3828       0.65060       0.68725       0.94666       0.96667  0.85s
   3829       0.67964       0.63181       1.07570       1.00000  0.83s
   3830       0.62364       0.73487       0.84863       0.96667  0.83s
   3831       0.64981       0.62903       1.03303       1.00000  0.84s
   3832       0.66396       0.65679       1.01091       0.96667  0.84s
   3833       0.62882       0.70787       0.88833       0.96667  0.85s
   3834       0.66969       0.69518       0.96333       0.96667  0.83s
   3835       0.61883       0.70232       0.88111       0.96667  0.85s
   3836       0.64443       0.61115       1.05445       1.00000  0.84s
   3837       0.60860       0.60846       1.00022       1.00000  0.84s
   3838       0.63298       0.64123       0.98713       1.00000  0.84s
   3839       0.64336       0.72456       0.88794       0.93333  0.85s
   3840       0.70763       0.66288       1.06751       0.96667  0.85s
   3841       0.64932       0.60455       1.07407       1.00000  0.85s
   3842       0.63694       0.61351       1.03819       1.00000  0.84s
   3843       0.62019       0.70305       0.88214       0.93333  0.84s
   3844       0.61624       0.63698       0.96744       1.00000  0.84s
   3845       0.62379       0.73808       0.84515       0.96667  0.84s
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3846	0.62260	0.70204	0.88684	0.93333	0.85s
3847	0.62554	0.65574	0.95395	0.96667	0.84s
3848	0.61749	0.73878	0.83583	0.96667	0.85s
3849	0.61330	0.66373	0.92401	1.00000	0.85s
3850	0.64394	0.64619	0.99651	0.96667	0.84s
3851	0.61324	0.66345	0.92432	1.00000	0.85s
3852	0.63758	0.71321	0.89397	0.96667	0.84s
3853	0.61170	0.63307	0.96625	1.00000	0.84s
3854	0.60719	0.64681	0.93874	0.96667	0.84s
3855	0.62132	0.67806	0.91632	1.00000	0.84s
3856	0.69715	0.63557	1.09689	1.00000	0.84s
3857	0.61792	0.64755	0.95424	0.96667	0.85s
3858	0.66123	0.59452	1.11221	1.00000	0.84s
3859	0.65918	0.72450	0.90983	0.93333	0.85s
3860	0.61293	0.65901	0.93008	0.96667	0.85s
3861	0.60068	0.64800	0.92698	0.96667	0.85s
3862	0.63826	0.61018	1.04603	1.00000	0.83s
3863	0.60468	0.60701	0.99617	1.00000	0.84s
3864	0.62022	0.67256	0.92218	0.93333	0.86s
3865	0.73110	0.65774	1.11154	0.96667	0.84s
3866	0.60064	0.65966	0.91053	1.00000	0.84s
3867	0.61984	0.59691	1.03842	1.00000	0.85s
3868	0.62623	0.69162	0.90545	0.96667	0.84s
3869	0.67170	0.60387	1.11232	1.00000	0.84s
3870	0.59103	0.67727	0.87267	0.96667	0.84s
3871	0.62351	0.60406	1.03220	1.00000	0.84s
3872	0.63274	0.59262	1.06770	1.00000	0.84s
3873	0.61902	0.64072	0.96614	1.00000	0.86s
3874	0.62279	0.60114	1.03600	1.00000	0.84s
3875	0.62893	0.59463	1.05768	1.00000	0.84s
3876	0.59818	0.64138	0.93264	1.00000	0.84s
3877	0.59893	0.61714	0.97049	1.00000	0.84s
3878	0.60327	0.63394	0.95161	1.00000	0.84s
3879	0.65432	0.62424	1.04820	1.00000	0.84s
3880	0.61384	0.58779	1.04432	1.00000	0.84s
3881	0.63733	0.72339	0.88104	0.96667	0.85s
3882	0.61441	0.62390	0.98479	0.96667	0.84s
3883	0.64710	0.66977	0.96615	0.96667	0.84s
3884	0.60511	0.66133	0.91499	0.96667	0.85s
3885	0.63420	0.60227	1.05302	1.00000	0.85s
3886	0.62801	0.63682	0.98616	0.96667	0.83s
3887	0.66183	0.71069	0.93125	0.96667	0.85s
3888	0.59457	0.59284	1.00293	1.00000	0.85s
3889	0.62068	0.72471	0.85646	0.96667	0.85s
3890	0.59412	0.59493	0.99863	1.00000	0.84s
3891	0.63258	0.58625	1.07902	1.00000	0.85s
3892	0.67511	0.59497	1.13470	1.00000	0.85s
3893	0.61144	0.60884	1.00427	1.00000	0.84s
3894	0.72689	0.63496	1.14478	0.96667	0.83s
3895	0.69033	0.58145	1.18726	1.00000	0.84s
3896	0.60027	0.64954	0.92415	0.96667	0.84s
3897	0.59019	0.72173	0.81775	0.96667	0.84s
3898	0.60316	0.58589	1.02948	1.00000	0.85s
3899	0.64128	0.61199	1.04785	1.00000	0.85s

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   3900       0.63984       0.60016       1.06613       1.00000  0.85s
Regularization term: 0.57386559248
2016-07-02 16:54:16,418 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:54:22,121 - root - INFO - Duration of validation: 0:00:05
   3901       0.58822       0.66519       0.88429       0.96667  0.85s
   3902       0.59247       0.60306       0.98244       1.00000  0.84s
   3903       0.58753       0.58621       1.00225       1.00000  0.84s
   3904       0.58939       0.59528       0.99012       1.00000  0.85s
   3905       0.60696       0.69334       0.87542       0.96667  0.84s
   3906       0.63544       0.60534       1.04972       1.00000  0.85s
   3907       0.58803       0.67581       0.87012       0.96667  0.85s
   3908       0.58815       0.60119       0.97830       1.00000  0.85s
   3909       0.61504       0.61830       0.99474       1.00000  0.84s
   3910       0.62743       0.58641       1.06995       1.00000  0.84s
   3911       0.59366       0.57950       1.02443       1.00000  0.85s
   3912       0.59660       0.61306       0.97316       0.96667  0.84s
   3913       0.62886       0.63775       0.98607       1.00000  0.84s
   3914       0.59746       0.59916       0.99716       1.00000  0.84s
   3915       0.57603       0.57953       0.99396       1.00000  0.85s
   3916       0.59546       0.60152       0.98993       1.00000  0.84s
   3917       0.68295       0.61535       1.10985       1.00000  0.84s
   3918       0.59211       0.65097       0.90958       0.96667  0.84s
   3919       0.63091       0.59755       1.05583       1.00000  0.85s
   3920       0.64929       0.65290       0.99447       0.96667  0.85s
   3921       0.66928       0.60761       1.10150       1.00000  0.86s
   3922       0.58798       0.60585       0.97051       1.00000  0.84s
   3923       0.62705       0.62563       1.00227       1.00000  0.84s
   3924       0.66241       0.63588       1.04173       0.96667  0.85s
   3925       0.58588       0.68617       0.85384       0.96667  0.84s
   3926       0.61407       0.59332       1.03497       1.00000  0.85s
   3927       0.58020       0.64713       0.89658       0.96667  0.85s
   3928       0.61177       0.58677       1.04261       1.00000  0.85s
   3929       0.58110       0.58079       1.00053       1.00000  0.85s
   3930       0.65356       0.70381       0.92860       0.96667  0.84s
   3931       0.59376       0.70262       0.84507       0.93333  0.84s
   3932       0.58268       0.58668       0.99317       1.00000  0.84s
   3933       0.63515       0.60036       1.05793       1.00000  0.83s
   3934       0.60573       0.66592       0.90961       0.96667  0.84s
   3935       0.64344       0.57060       1.12765       1.00000  0.84s
   3936       0.58214       0.57770       1.00770       1.00000  0.85s
   3937       0.59875       0.57937       1.03345       1.00000  0.85s
   3938       0.64713       0.57453       1.12636       1.00000  0.84s
   3939       0.57955       0.56422       1.02718       1.00000  0.85s
   3940       0.60672       0.66552       0.91165       0.96667  0.84s
   3941       0.59886       0.56706       1.05608       1.00000  0.85s
   3942       0.63484       0.58876       1.07827       1.00000  0.84s
   3943       0.58378       0.62524       0.93369       0.96667  0.84s
   3944       0.59802       0.58176       1.02796       1.00000  0.85s
   3945       0.61765       0.63087       0.97903       1.00000  0.85s
   3946       0.62746       0.58658       1.06969       1.00000  0.84s
   3947       0.63146       0.84700       0.74553       0.96667  0.84s
   3948       0.66930       0.65047       1.02895       0.96667  0.84s
   3949       0.58413       0.63611       0.91828       0.96667  0.85s
   3950       0.60435       0.59046       1.02352       1.00000  0.84s
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   3951       0.58830       0.62173       0.94623       0.96667  0.85s
   3952       0.57767       0.57586       1.00314       1.00000  0.85s
   3953       0.61302       0.58603       1.04605       1.00000  0.84s
   3954       0.57345       0.58018       0.98840       1.00000  0.84s
   3955       0.59657       0.57384       1.03960       1.00000  0.85s
   3956       0.63033       0.65544       0.96169       0.96667  0.84s
   3957       0.57941       0.56402       1.02729       1.00000  0.84s
   3958       0.60439       0.62395       0.96865       0.96667  0.84s
   3959       0.59676       0.68170       0.87540       0.96667  0.84s
   3960       0.57243       0.55904       1.02397       1.00000  0.85s
   3961       0.56526       0.58100       0.97290       1.00000  0.84s
   3962       0.57601       0.56317       1.02280       1.00000  0.84s
   3963       0.59174       0.56320       1.05067       1.00000  0.84s
   3964       0.56673       0.63837       0.88778       0.96667  0.85s
   3965       0.57448       0.69177       0.83046       0.96667  0.84s
   3966       0.57870       0.56394       1.02616       1.00000  0.85s
   3967       0.64131       0.56329       1.13850       1.00000  0.85s
   3968       0.59367       0.58626       1.01263       0.96667  0.84s
   3969       0.61369       0.72104       0.85112       0.93333  0.85s
   3970       0.59168       0.55868       1.05907       1.00000  0.85s
   3971       0.59749       0.57333       1.04213       1.00000  0.84s
   3972       0.58569       0.62332       0.93962       1.00000  0.85s
   3973       0.57138       0.62160       0.91921       0.96667  0.84s
   3974       0.57149       0.56157       1.01767       1.00000  0.85s
   3975       0.63492       0.56383       1.12609       1.00000  0.84s
   3976       0.57176       0.63096       0.90617       0.96667  0.84s
   3977       0.58586       0.58343       1.00416       1.00000  0.85s
   3978       0.55832       0.62378       0.89506       0.96667  0.85s
   3979       0.56342       0.55246       1.01984       1.00000  0.84s
   3980       0.56954       0.56036       1.01638       1.00000  0.84s
   3981       0.60639       0.55591       1.09081       1.00000  0.84s
   3982       0.58278       0.55750       1.04535       1.00000  0.84s
   3983       0.59852       0.55769       1.07322       1.00000  0.84s
   3984       0.59074       0.56759       1.04079       1.00000  0.84s
   3985       0.57120       0.59680       0.95711       1.00000  0.85s
   3986       0.61739       0.58342       1.05822       0.96667  0.84s
   3987       0.67404       0.62551       1.07759       0.96667  0.84s
   3988       0.56605       0.57638       0.98208       1.00000  0.84s
   3989       0.60552       0.56677       1.06836       1.00000  0.85s
   3990       0.55952       0.57390       0.97493       1.00000  0.84s
   3991       0.59642       0.58111       1.02634       1.00000  0.84s
   3992       0.55629       0.66991       0.83040       0.93333  0.85s
   3993       0.57334       0.56265       1.01899       1.00000  0.84s
   3994       0.63120       0.56344       1.12027       1.00000  0.84s
   3995       0.54971       0.55305       0.99396       1.00000  0.85s
   3996       0.55307       0.60676       0.91151       0.96667  0.84s
   3997       0.63992       0.55088       1.16164       1.00000  0.84s
   3998       0.62945       0.55995       1.12411       1.00000  0.84s
   3999       0.57877       0.93457       0.61929       0.86667  0.84s
   4000       0.54890       0.55721       0.98509       1.00000  0.84s
Regularization term: 0.539584696293
2016-07-02 16:55:53,746 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:55:59,502 - root - INFO - Duration of validation: 0:00:05
   4001       0.57328       0.55785       1.02766       1.00000  0.84s
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4002	0.63104	0.58206	1.08416	1.00000	0.84s
4003	0.55961	0.56125	0.99709	1.00000	0.84s
4004	0.56713	0.57163	0.99213	1.00000	0.84s
4005	0.57618	0.59220	0.97295	0.96667	0.84s
4006	0.55590	0.72707	0.76458	0.96667	0.84s
4007	0.62714	0.59662	1.05116	1.00000	0.84s
4008	0.60619	0.58944	1.02842	1.00000	0.85s
4009	0.57006	0.54400	1.04790	1.00000	0.84s
4010	0.59861	0.69144	0.86575	0.93333	0.84s
4011	0.61895	0.55359	1.11808	1.00000	0.85s
4012	0.61695	0.54263	1.13696	1.00000	0.83s
4013	0.58382	0.60942	0.95799	0.96667	0.85s
4014	0.60385	0.58824	1.02654	1.00000	0.83s
4015	0.61140	0.55313	1.10535	1.00000	0.83s
4016	0.66393	0.62040	1.07016	0.96667	0.85s
4017	0.55445	0.63137	0.87816	0.96667	0.86s
4018	0.61371	0.54596	1.12411	1.00000	0.85s
4019	0.63170	0.74937	0.84298	0.90000	0.85s
4020	0.58858	0.57890	1.01672	0.96667	0.84s
4021	0.58841	0.66275	0.88783	0.96667	0.84s
4022	0.62703	0.60232	1.04103	0.96667	0.84s
4023	0.60982	0.57051	1.06890	1.00000	0.84s
4024	0.61024	0.59631	1.02336	1.00000	0.85s
4025	0.55431	0.58331	0.95029	1.00000	0.84s
4026	0.67486	0.56106	1.20282	1.00000	0.85s
4027	0.64270	0.53743	1.19588	1.00000	0.84s
4028	0.58115	0.61756	0.94105	0.96667	0.84s
4029	0.55115	0.68353	0.80633	0.93333	0.84s
4030	0.57568	0.63712	0.90357	1.00000	0.85s
4031	0.56545	0.71040	0.79596	0.93333	0.84s
4032	0.58085	0.60959	0.95286	1.00000	0.84s
4033	0.70625	0.61215	1.15372	0.96667	0.84s
4034	0.63085	0.59912	1.05296	1.00000	0.84s
4035	0.56119	0.54141	1.03654	1.00000	0.84s
4036	0.55397	0.66135	0.83764	0.96667	0.84s
4037	0.55912	0.68041	0.82175	0.90000	0.84s
4038	0.56711	0.57937	0.97883	1.00000	0.84s
4039	0.60703	0.54554	1.11271	1.00000	0.84s
4040	0.59971	0.58480	1.02551	0.96667	0.84s
4041	0.56598	0.56519	1.00141	1.00000	0.84s
4042	0.59038	0.53633	1.10077	1.00000	0.84s
4043	0.56865	0.53957	1.05390	1.00000	0.84s
4044	0.55642	0.55079	1.01022	1.00000	0.85s
4045	0.59596	0.58385	1.02074	0.96667	0.85s
4046	0.64438	0.53782	1.19813	1.00000	0.84s
4047	0.59435	0.59863	0.99284	1.00000	0.84s
4048	0.54244	0.53985	1.00480	1.00000	0.84s
4049	0.58209	0.57074	1.01989	1.00000	0.84s
4050	0.55880	0.55792	1.00156	1.00000	0.85s
4051	0.53529	0.56689	0.94426	1.00000	0.85s
4052	0.56701	0.55648	1.01893	1.00000	0.85s
4053	0.56115	0.58635	0.95703	0.96667	0.84s
4054	0.54437	0.57868	0.94070	1.00000	0.84s
4055	0.57289	0.54253	1.05597	1.00000	0.84s

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   4056       0.58026       0.57571       1.00791       1.00000  0.85s
   4057       0.56014       0.55290       1.01309       1.00000  0.84s
   4058       0.54635       0.55315       0.98771       1.00000  0.84s
   4059       0.58783       0.58570       1.00365       0.96667  0.84s
   4060       0.59881       0.53056       1.12862       1.00000  0.84s
   4061       0.58521       0.64938       0.90117       0.96667  0.84s
   4062       0.54762       0.63094       0.86795       0.93333  0.84s
   4063       0.53497       0.52976       1.00985       1.00000  0.84s
   4064       0.56100       0.53168       1.05514       1.00000  0.85s
   4065       0.53393       0.53645       0.99529       1.00000  0.84s
   4066       0.60687       0.58404       1.03908       1.00000  0.85s
   4067       0.53101       0.57913       0.91691       1.00000  0.85s
   4068       0.52945       0.57488       0.92096       1.00000  0.84s
   4069       0.57087       0.53239       1.07227       1.00000  0.84s
   4070       0.57945       0.65582       0.88356       0.93333  0.85s
   4071       0.59258       0.54705       1.08322       1.00000  0.84s
   4072       0.54623       0.53242       1.02595       1.00000  0.84s
   4073       0.54597       0.62235       0.87728       0.96667  0.85s
   4074       0.56187       0.66227       0.84840       0.93333  0.84s
   4075       0.60528       0.71292       0.84902       0.96667  0.85s
   4076       0.55696       0.58042       0.95957       1.00000  0.84s
   4077       0.58845       0.62912       0.93535       0.96667  0.84s
   4078       0.55136       0.56503       0.97581       1.00000  0.84s
   4079       0.53142       0.53021       1.00229       1.00000  0.84s
   4080       0.54675       0.55047       0.99324       1.00000  0.85s
   4081       0.59802       0.71749       0.83349       0.93333  0.85s
   4082       0.53118       0.56025       0.94812       1.00000  0.85s
   4083       0.55938       0.55680       1.00463       1.00000  0.84s
   4084       0.62783       0.56255       1.11604       1.00000  0.85s
   4085       0.53503       0.70672       0.75706       0.93333  0.84s
   4086       0.62401       0.60923       1.02426       0.96667  0.84s
   4087       0.54084       0.56751       0.95300       1.00000  0.84s
   4088       0.52684       0.61255       0.86008       0.96667  0.84s
   4089       0.59375       0.66105       0.89819       0.93333  0.84s
   4090       0.57263       0.64247       0.89129       0.96667  0.84s
   4091       0.62298       0.55012       1.13245       1.00000  0.84s
   4092       0.52382       0.52614       0.99560       1.00000  0.84s
   4093       0.59940       0.57871       1.03574       1.00000  0.84s
   4094       0.56260       0.69075       0.81447       0.93333  0.83s
   4095       0.53001       0.57129       0.92773       0.96667  0.84s
   4096       0.53691       0.58639       0.91561       0.96667  0.85s
   4097       0.60124       0.63248       0.95062       0.96667  0.84s
   4098       0.53652       0.55242       0.97120       1.00000  0.84s
   4099       0.54017       0.53546       1.00880       1.00000  0.84s
   4100       0.53681       0.53125       1.01045       1.00000  0.85s
Regularization term: 0.509989202023
2016-07-02 16:57:31,080 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:57:36,909 - root - INFO - Duration of validation: 0:00:05
   4101       0.54456       0.60708       0.89701       0.96667  0.86s
   4102       0.58157       0.73414       0.79217       0.96667  0.84s
   4103       0.53582       0.51538       1.03966       1.00000  0.84s
   4104       0.54951       0.55613       0.98809       1.00000  0.85s
   4105       0.57756       0.61660       0.93669       0.96667  0.85s
   4106       0.58770       0.55765       1.05388       0.96667  0.84s
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4107	0.55127	0.57703	0.95536	0.96667	0.86s
4108	0.59534	0.53129	1.12057	1.00000	0.84s
4109	0.54930	0.61652	0.89097	0.96667	0.84s
4110	0.52940	0.52585	1.00674	1.00000	0.84s
4111	0.57341	0.52229	1.09787	1.00000	0.84s
4112	0.56523	0.66290	0.85267	0.93333	0.86s
4113	0.57163	0.51597	1.10788	1.00000	0.85s
4114	0.56195	0.51504	1.09108	1.00000	0.85s
4115	0.53494	0.52419	1.02052	1.00000	0.84s
4116	0.55391	0.73847	0.75008	0.93333	0.85s
4117	0.52821	0.52389	1.00825	1.00000	0.84s
4118	0.51680	0.53300	0.96961	1.00000	0.85s
4119	0.57075	0.53336	1.07011	1.00000	0.84s
4120	0.51677	0.72145	0.71630	0.93333	0.85s
4121	0.55028	0.51065	1.07761	1.00000	0.85s
4122	0.53269	0.53800	0.99013	1.00000	0.85s
4123	0.63825	0.55488	1.15024	1.00000	0.83s
4124	0.53504	0.53097	1.00766	1.00000	0.85s
4125	0.59658	0.52717	1.13168	1.00000	0.85s
4126	0.53268	0.52056	1.02327	1.00000	0.84s
4127	0.54818	0.55289	0.99149	1.00000	0.84s
4128	0.58961	0.51948	1.13500	1.00000	0.85s
4129	0.54514	0.52130	1.04573	1.00000	0.84s
4130	0.56145	0.56058	1.00155	0.96667	0.85s
4131	0.55153	0.63662	0.86633	0.96667	0.84s
4132	0.64682	0.69262	0.93388	0.93333	0.85s
4133	0.52454	0.51404	1.02043	1.00000	0.85s
4134	0.56913	0.53155	1.07070	1.00000	0.84s
4135	0.51769	0.52140	0.99289	1.00000	0.84s
4136	0.54544	0.59888	0.91076	0.96667	0.85s
4137	0.62168	0.61158	1.01652	0.96667	0.85s
4138	0.57773	0.61571	0.93831	0.93333	0.84s
4139	0.54935	0.66518	0.82587	0.93333	0.84s
4140	0.51696	0.55510	0.93131	0.96667	0.85s
4141	0.54880	0.53375	1.02818	1.00000	0.85s
4142	0.52733	0.50853	1.03698	1.00000	0.85s
4143	0.54744	0.56975	0.96085	0.96667	0.84s
4144	0.53109	0.51445	1.03234	1.00000	0.85s
4145	0.53921	0.55750	0.96718	1.00000	0.85s
4146	0.53487	0.52170	1.02524	1.00000	0.85s
4147	0.52227	0.67088	0.77849	0.96667	0.84s
4148	0.57106	0.52641	1.08482	1.00000	0.85s
4149	0.52538	0.52194	1.00658	1.00000	0.85s
4150	0.51024	0.51747	0.98604	1.00000	0.85s
4151	0.56239	0.52361	1.07406	1.00000	0.84s
4152	0.52982	0.55355	0.95713	1.00000	0.85s
4153	0.51525	0.51786	0.99495	1.00000	0.84s
4154	0.52636	0.52564	1.00138	1.00000	0.84s
4155	0.52199	0.51568	1.01223	1.00000	0.85s
4156	0.52972	0.55479	0.95481	1.00000	0.85s
4157	0.53473	0.72847	0.73404	0.90000	0.85s
4158	0.51339	0.54284	0.94575	1.00000	0.85s
4159	0.52067	0.51160	1.01773	1.00000	0.84s
4160	0.53886	0.60809	0.88615	0.96667	0.85s

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   4161       0.52925       0.51708       1.02355       1.00000  0.85s
   4162       0.56482       0.51469       1.09740       1.00000  0.85s
   4163       0.56443       0.61161       0.92287       0.93333  0.85s
   4164       0.52786       0.55243       0.95553       0.96667  0.85s
   4165       0.56758       0.51585       1.10029       1.00000  0.84s
   4166       0.51724       0.51870       0.99719       1.00000  0.84s
   4167       0.63153       0.53506       1.18030       1.00000  0.85s
   4168       0.56781       0.54253       1.04659       0.96667  0.85s
   4169       0.54929       0.51277       1.07122       1.00000  0.86s
   4170       0.57658       0.52869       1.09058       1.00000  0.85s
   4171       0.56060       0.52443       1.06896       1.00000  0.85s
   4172       0.56162       0.58442       0.96099       0.93333  0.84s
   4173       0.51586       0.57452       0.89790       0.96667  0.85s
   4174       0.52071       0.52452       0.99274       1.00000  0.84s
   4175       0.59546       0.63361       0.93978       0.96667  0.84s
   4176       0.51753       0.64496       0.80243       0.96667  0.86s
   4177       0.51234       0.52239       0.98076       1.00000  0.85s
   4178       0.50457       0.51206       0.98536       1.00000  0.85s
   4179       0.54908       0.55390       0.99130       0.96667  0.85s
   4180       0.57420       0.50784       1.13068       1.00000  0.85s
   4181       0.52155       0.67093       0.77736       0.93333  0.84s
   4182       0.50494       0.56595       0.89221       0.96667  0.84s
   4183       0.50311       0.52765       0.95348       1.00000  0.85s
   4184       0.53001       0.61730       0.85859       0.93333  0.86s
   4185       0.52470       0.49482       1.06038       1.00000  0.86s
   4186       0.54117       0.50318       1.07549       1.00000  0.85s
   4187       0.50843       0.49940       1.01808       1.00000  0.84s
   4188       0.52191       0.53521       0.97516       1.00000  0.85s
   4189       0.51365       0.54713       0.93880       0.96667  0.85s
   4190       0.52114       0.59726       0.87255       0.96667  0.85s
   4191       0.52414       0.61718       0.84925       0.93333  0.85s
   4192       0.51890       0.54259       0.95634       1.00000  0.85s
   4193       0.58704       0.50680       1.15833       1.00000  0.85s
   4194       0.51287       0.55915       0.91723       0.96667  0.85s
   4195       0.57164       0.67438       0.84765       0.96667  0.84s
   4196       0.53058       0.55633       0.95373       0.96667  0.84s
   4197       0.56446       0.54221       1.04103       0.96667  0.84s
   4198       0.50984       0.51751       0.98518       1.00000  0.84s
   4199       0.58283       0.60459       0.96401       0.93333  0.85s
   4200       0.57773       0.56427       1.02386       0.96667  0.84s
Regularization term: 0.484599649906
2016-07-02 16:59:09,066 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 16:59:14,850 - root - INFO - Duration of validation: 0:00:05
   4201       0.53312       0.64619       0.82502       0.93333  0.85s
   4202       0.56583       0.59272       0.95463       0.96667  0.85s
   4203       0.51008       0.76925       0.66308       0.93333  0.84s
   4204       0.51088       0.50183       1.01804       1.00000  0.84s
   4205       0.50863       0.58865       0.86407       0.96667  0.84s
   4206       0.51692       0.57298       0.90216       0.96667  0.84s
   4207       0.53036       0.53899       0.98400       0.96667  0.85s
   4208       0.53143       0.50922       1.04362       1.00000  0.85s
   4209       0.51054       0.75749       0.67400       0.93333  0.84s
   4210       0.50282       0.59226       0.84897       0.96667  0.85s
   4211       0.64192       0.49569       1.29499       1.00000  0.85s
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4212	0.51433	0.49210	1.04516	1.00000	0.85s
4213	0.57566	0.49843	1.15495	1.00000	0.83s
4214	0.56153	0.62773	0.89454	0.90000	0.85s
4215	0.50411	0.49974	1.00876	1.00000	0.84s
4216	0.49999	0.63333	0.78947	0.96667	0.85s
4217	0.53105	0.51880	1.02361	1.00000	0.86s
4218	0.54041	0.49412	1.09369	1.00000	0.85s
4219	0.54311	0.51639	1.05174	1.00000	0.84s
4220	0.52607	0.52796	0.99642	0.96667	0.85s
4221	0.50313	0.52064	0.96638	1.00000	0.84s
4222	0.50360	0.49815	1.01095	1.00000	0.83s
4223	0.59034	0.52699	1.12022	0.96667	0.85s
4224	0.56324	0.59988	0.93893	0.96667	0.84s
4225	0.49504	0.49639	0.99727	1.00000	0.86s
4226	0.49601	0.48832	1.01575	1.00000	0.86s
4227	0.50204	0.49787	1.00838	1.00000	0.85s
4228	0.56961	0.50049	1.13810	1.00000	0.85s
4229	0.54382	0.56802	0.95740	0.96667	0.85s
4230	0.64051	0.55221	1.15990	1.00000	0.85s
4231	0.56572	0.48780	1.15974	1.00000	0.84s
4232	0.49737	0.48313	1.02948	1.00000	0.84s
4233	0.51139	0.50451	1.01363	1.00000	0.84s
4234	0.50436	0.48745	1.03469	1.00000	0.85s
4235	0.57878	0.54167	1.06852	0.96667	0.84s
4236	0.53573	0.56728	0.94440	0.96667	0.85s
4237	0.51780	0.64903	0.79781	0.93333	0.84s
4238	0.49392	0.51076	0.96704	1.00000	0.85s
4239	0.48577	0.49229	0.98676	1.00000	0.85s
4240	0.60978	0.51816	1.17683	1.00000	0.85s
4241	0.50025	0.48698	1.02725	1.00000	0.85s
4242	0.49735	0.54408	0.91411	1.00000	0.84s
4243	0.52411	0.48628	1.07779	1.00000	0.85s
4244	0.51309	0.48164	1.06529	1.00000	0.85s
4245	0.59814	0.51920	1.15203	1.00000	0.85s
4246	0.48595	0.52499	0.92565	1.00000	0.84s
4247	0.52013	0.52260	0.99528	1.00000	0.83s
4248	0.59119	0.48086	1.22943	1.00000	0.85s
4249	0.50925	0.58248	0.87428	0.93333	0.84s
4250	0.51843	0.50609	1.02439	1.00000	0.84s
4251	0.49235	0.50245	0.97990	1.00000	0.84s
4252	0.49058	0.51260	0.95705	1.00000	0.85s
4253	0.51123	0.48225	1.06011	1.00000	0.85s
4254	0.48628	0.50108	0.97048	1.00000	0.84s
4255	0.51731	0.49610	1.04275	1.00000	0.85s
4256	0.48652	0.54943	0.88550	0.96667	0.85s
4257	0.52723	0.47788	1.10327	1.00000	0.86s
4258	0.49506	0.53406	0.92697	1.00000	0.84s
4259	0.49780	0.51579	0.96513	1.00000	0.84s
4260	0.49531	0.48241	1.02674	1.00000	0.85s
4261	0.61441	0.48149	1.27605	1.00000	0.85s
4262	0.47806	0.51719	0.92435	1.00000	0.84s
4263	0.48860	0.52405	0.93235	0.96667	0.85s
4264	0.52376	0.49463	1.05889	1.00000	0.84s
4265	0.50412	0.49050	1.02776	1.00000	0.85s

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   4266       0.52370       0.48462       1.08064       1.00000  0.85s
   4267       0.48981       0.48297       1.01416       1.00000  0.85s
   4268       0.49071       0.48110       1.01997       1.00000  0.86s
   4269       0.54677       0.48770       1.12112       1.00000  0.86s
   4270       0.48872       0.47999       1.01820       1.00000  0.85s
   4271       0.50832       0.55688       0.91279       0.96667  0.85s
   4272       0.51071       0.47841       1.06751       1.00000  0.86s
   4273       0.52123       0.49907       1.04440       1.00000  0.85s
   4274       0.51966       0.50159       1.03602       1.00000  0.85s
   4275       0.50229       0.52425       0.95810       0.96667  0.84s
   4276       0.53504       0.47875       1.11758       1.00000  0.84s
   4277       0.49779       0.49172       1.01234       1.00000  0.85s
   4278       0.48867       0.47612       1.02636       1.00000  0.85s
   4279       0.47774       0.57461       0.83142       0.96667  0.85s
   4280       0.47966       0.47773       1.00404       1.00000  0.86s
   4281       0.50261       0.55222       0.91017       0.96667  0.85s
   4282       0.51936       0.48010       1.08177       1.00000  0.84s
   4283       0.53458       0.48173       1.10969       1.00000  0.84s
   4284       0.52342       0.52033       1.00594       1.00000  0.84s
   4285       0.50288       0.54832       0.91713       0.96667  0.85s
   4286       0.51580       0.60683       0.84999       0.96667  0.84s
   4287       0.52875       0.51297       1.03075       0.96667  0.85s
   4288       0.52358       0.54692       0.95731       0.96667  0.85s
   4289       0.54852       0.47399       1.15725       1.00000  0.85s
   4290       0.56825       0.47571       1.19454       1.00000  0.85s
   4291       0.48475       0.47451       1.02158       1.00000  0.84s
   4292       0.53316       0.55951       0.95291       0.96667  0.85s
   4293       0.47702       0.49222       0.96912       1.00000  0.85s
   4294       0.50824       0.50484       1.00673       0.96667  0.84s
   4295       0.47821       0.50448       0.94794       1.00000  0.84s
   4296       0.48457       0.47459       1.02104       1.00000  0.85s
   4297       0.47750       0.50094       0.95320       1.00000  0.85s
   4298       0.47124       0.47356       0.99510       1.00000  0.84s
   4299       0.51640       0.49346       1.04649       1.00000  0.85s
   4300       0.48111       0.47559       1.01160       1.00000  0.84s
Regularization term: 0.461376458406
2016-07-02 17:00:46,766 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:00:52,660 - root - INFO - Duration of validation: 0:00:05
   4301       0.46990       0.49891       0.94186       1.00000  0.87s
   4302       0.53799       0.50653       1.06212       1.00000  0.83s
   4303       0.47946       0.55930       0.85724       0.96667  0.84s
   4304       0.53349       0.52100       1.02397       1.00000  0.85s
   4305       0.48628       0.47172       1.03086       1.00000  0.85s
   4306       0.51024       0.48167       1.05933       1.00000  0.86s
   4307       0.54710       0.50242       1.08892       1.00000  0.85s
   4308       0.47060       0.59313       0.79342       0.93333  0.84s
   4309       0.49513       0.47077       1.05175       1.00000  0.85s
   4310       0.47389       0.63979       0.74070       0.93333  0.84s
   4311       0.47871       0.52500       0.91183       1.00000  0.84s
   4312       0.51385       0.49007       1.04853       1.00000  0.85s
   4313       0.46860       0.48416       0.96788       1.00000  0.85s
   4314       0.51102       0.48640       1.05060       1.00000  0.84s
   4315       0.47291       0.49981       0.94617       1.00000  0.85s
   4316       0.50923       0.50547       1.00743       0.96667  0.85s
```

4317	0.53524	0.67566	0.79217	0.90000	0.85s
4318	0.57208	0.71443	0.80074	0.96667	0.84s
4319	0.51625	0.51183	1.00863	0.96667	0.85s
4320	0.49578	0.50511	0.98154	0.96667	0.85s
4321	0.50745	0.56898	0.89186	0.96667	0.85s
4322	0.48284	0.47155	1.02395	1.00000	0.85s
4323	0.58677	0.76588	0.76614	0.90000	0.84s
4324	0.47885	0.59731	0.80168	0.93333	0.85s
4325	0.47920	0.68118	0.70349	0.93333	0.85s
4326	0.52876	0.47028	1.12435	1.00000	0.84s
4327	0.51142	0.53939	0.94813	0.96667	0.85s
4328	0.53716	0.52609	1.02104	0.96667	0.85s
4329	0.57540	0.47962	1.19970	1.00000	0.85s
4330	0.56899	0.62344	0.91266	0.93333	0.84s
4331	0.57935	0.49986	1.15903	1.00000	0.85s
4332	0.50103	0.58788	0.85226	0.93333	0.84s
4333	0.51116	0.48728	1.04901	1.00000	0.85s
4334	0.48052	0.48010	1.00087	1.00000	0.85s
4335	0.51068	0.46964	1.08739	1.00000	0.85s
4336	0.48626	0.52519	0.92587	1.00000	0.86s
4337	0.49233	0.49305	0.99855	1.00000	0.85s
4338	0.51029	0.47656	1.07078	1.00000	0.84s
4339	0.48307	0.46996	1.02791	1.00000	0.85s
4340	0.47762	0.54910	0.86982	0.96667	0.85s
4341	0.50227	0.51157	0.98182	0.96667	0.85s
4342	0.46235	0.46466	0.99502	1.00000	0.84s
4343	0.47358	0.64729	0.73163	0.93333	0.84s
4344	0.48974	0.51850	0.94453	0.96667	0.85s
4345	0.48904	0.53614	0.91215	0.96667	0.84s
4346	0.46917	0.58191	0.80626	0.96667	0.85s
4347	0.48553	0.46380	1.04686	1.00000	0.84s
4348	0.48599	0.49859	0.97473	1.00000	0.86s
4349	0.50392	0.48589	1.03710	1.00000	0.85s
4350	0.55135	0.46004	1.19850	1.00000	0.84s
4351	0.54131	0.53067	1.02005	0.96667	0.84s
4352	0.52762	0.46744	1.12875	1.00000	0.85s
4353	0.48744	0.47679	1.02235	1.00000	0.84s
4354	0.47541	0.47287	1.00538	1.00000	0.86s
4355	0.54061	0.53720	1.00635	0.96667	0.85s
4356	0.54364	0.59244	0.91762	0.96667	0.85s
4357	0.47114	0.51509	0.91467	1.00000	0.85s
4358	0.52223	0.69639	0.74992	0.96667	0.85s
4359	0.46876	0.56061	0.83616	0.96667	0.84s
4360	0.50021	0.45726	1.09394	1.00000	0.84s
4361	0.51286	0.64012	0.80119	0.93333	0.84s
4362	0.56780	0.60275	0.94201	0.96667	0.85s
4363	0.51543	0.47826	1.07772	1.00000	0.84s
4364	0.49502	0.54756	0.90404	0.96667	0.84s
4365	0.47800	0.51527	0.92766	0.96667	0.85s
4366	0.47024	0.48137	0.97687	1.00000	0.85s
4367	0.46440	0.46552	0.99758	1.00000	0.84s
4368	0.48887	0.50625	0.96567	1.00000	0.84s
4369	0.46471	0.47905	0.97005	1.00000	0.84s
4370	0.54790	0.53492	1.02427	0.96667	0.85s

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   4371       0.46188       0.49287       0.93712       0.96667  0.85s
   4372       0.55545       0.46995       1.18196       1.00000  0.85s
   4373       0.50184       0.45896       1.09342       1.00000  0.86s
   4374       0.46711       0.48508       0.96297       1.00000  0.84s
   4375       0.54390       0.47656       1.14130       1.00000  0.85s
   4376       0.45821       0.48961       0.93587       1.00000  0.86s
   4377       0.49909       0.51837       0.96280       1.00000  0.85s
   4378       0.47206       0.50261       0.93922       0.96667  0.84s
   4379       0.50281       0.45143       1.11381       1.00000  0.85s
   4380       0.47183       0.47753       0.98807       1.00000  0.84s
   4381       0.53583       0.50985       1.05096       0.96667  0.86s
   4382       0.48581       0.45735       1.06222       1.00000  0.84s
   4383       0.46407       0.54268       0.85514       0.96667  0.84s
   4384       0.52590       0.45264       1.16185       1.00000  0.85s
   4385       0.49413       0.58624       0.84288       0.96667  0.84s
   4386       0.50600       0.48643       1.04023       1.00000  0.85s
   4387       0.46956       0.45879       1.02348       1.00000  0.85s
   4388       0.45771       0.45393       1.00831       1.00000  0.86s
   4389       0.60105       0.50006       1.20196       0.96667  0.84s
   4390       0.45195       0.48018       0.94121       1.00000  0.84s
   4391       0.51358       0.60244       0.85250       0.93333  0.85s
   4392       0.54574       0.47174       1.15687       1.00000  0.85s
   4393       0.47044       0.46876       1.00357       1.00000  0.85s
   4394       0.48267       0.59992       0.80456       0.93333  0.84s
   4395       0.56838       0.56106       1.01306       0.96667  0.84s
   4396       0.51353       0.48903       1.05010       0.96667  0.85s
   4397       0.53679       0.46140       1.16339       1.00000  0.85s
   4398       0.48989       0.52092       0.94043       0.96667  0.85s
   4399       0.46255       0.47325       0.97739       1.00000  0.85s
   4400       0.49716       0.45321       1.09697       1.00000  0.86s
Regularization term: 0.440147519112
2016-07-02 17:02:26,413 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:02:31,331 - root - INFO - Duration of validation: 0:00:04
   4401       0.45932       0.49167       0.93421       1.00000  0.85s
   4402       0.47952       0.52817       0.90790       0.93333  0.85s
   4403       0.46431       0.44886       1.03441       1.00000  0.84s
   4404       0.49076       0.57342       0.85584       0.96667  0.85s
   4405       0.52942       0.45381       1.16661       1.00000  0.84s
   4406       0.48152       0.44786       1.07517       1.00000  0.84s
   4407       0.45791       0.45022       1.01707       1.00000  0.85s
   4408       0.46571       0.54764       0.85039       0.96667  0.86s
   4409       0.46409       0.44805       1.03581       1.00000  0.84s
   4410       0.49004       0.55531       0.88246       0.96667  0.85s
   4411       0.50241       0.45402       1.10658       1.00000  0.85s
   4412       0.49795       0.48063       1.03604       1.00000  0.85s
   4413       0.48254       0.49095       0.98288       0.96667  0.84s
   4414       0.45444       0.49221       0.92327       1.00000  0.85s
   4415       0.46181       0.46640       0.99016       1.00000  0.86s
   4416       0.45636       0.47498       0.96081       1.00000  0.85s
   4417       0.45631       0.48926       0.93265       1.00000  0.85s
   4418       0.55751       0.51432       1.08397       0.93333  0.85s
   4419       0.44630       0.49159       0.90785       1.00000  0.85s
   4420       0.49571       0.52691       0.94077       0.96667  0.85s
   4421       0.45723       0.47307       0.96652       1.00000  0.85s
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4422	0.47931	0.49846	0.96157	1.00000	0.84s
4423	0.44689	0.45861	0.97444	1.00000	0.85s
4424	0.46095	0.45426	1.01471	1.00000	0.85s
4425	0.53447	0.46183	1.15730	1.00000	0.84s
4426	0.45912	0.54945	0.83560	0.96667	0.84s
4427	0.59059	0.46401	1.27279	1.00000	0.84s
4428	0.48082	0.45982	1.04567	1.00000	0.84s
4429	0.45112	0.46067	0.97926	1.00000	0.84s
4430	0.45487	0.54668	0.83206	0.96667	0.85s
4431	0.49626	0.43960	1.12890	1.00000	0.84s
4432	0.45537	0.51838	0.87845	0.96667	0.85s
4433	0.45495	0.45030	1.01031	1.00000	0.85s
4434	0.52059	0.62487	0.83313	0.93333	0.85s
4435	0.45539	0.56345	0.80822	0.96667	0.85s
4436	0.47427	0.52611	0.90147	0.96667	0.84s
4437	0.45476	0.43810	1.03802	1.00000	0.85s
4438	0.48474	0.49151	0.98622	0.96667	0.83s
4439	0.46083	0.46595	0.98902	1.00000	0.84s
4440	0.56831	0.45231	1.25648	1.00000	0.85s
4441	0.51487	0.51546	0.99885	0.96667	0.84s
4442	0.48341	0.53624	0.90149	0.96667	0.86s
4443	0.49524	0.48079	1.03005	1.00000	0.85s
4444	0.45712	0.47276	0.96692	0.96667	0.85s
4445	0.45876	0.49978	0.91793	0.96667	0.85s
4446	0.51628	0.44707	1.15481	1.00000	0.84s
4447	0.44858	0.58012	0.77324	0.96667	0.85s
4448	0.44722	0.44267	1.01028	1.00000	0.85s
4449	0.45120	0.52412	0.86087	0.96667	0.86s
4450	0.46677	0.44747	1.04312	1.00000	0.85s
4451	0.51930	0.44192	1.17508	1.00000	0.84s
4452	0.49347	0.52333	0.94293	0.96667	0.85s
4453	0.47087	0.44355	1.06161	1.00000	0.84s
4454	0.44958	0.44006	1.02164	1.00000	0.84s
4455	0.49736	0.62630	0.79412	0.93333	0.85s
4456	0.50571	0.52902	0.95595	0.96667	0.84s
4457	0.49665	0.46029	1.07899	1.00000	0.85s
4458	0.45470	0.50653	0.89767	0.96667	0.85s
4459	0.44285	0.45527	0.97273	1.00000	0.84s
4460	0.45123	0.45420	0.99345	1.00000	0.85s
4461	0.44712	0.43403	1.03016	1.00000	0.86s
4462	0.50430	0.54324	0.92832	0.96667	0.85s
4463	0.45375	0.43608	1.04051	1.00000	0.85s
4464	0.46260	0.44497	1.03962	1.00000	0.86s
4465	0.51941	0.45434	1.14322	1.00000	0.85s
4466	0.47210	0.54880	0.86023	0.96667	0.85s
4467	0.47111	0.43568	1.08133	1.00000	0.85s
4468	0.46308	0.53886	0.85938	0.93333	0.85s
4469	0.48144	0.47051	1.02322	1.00000	0.85s
4470	0.49770	0.44532	1.11762	1.00000	0.84s
4471	0.44149	0.49264	0.89619	1.00000	0.84s
4472	0.44720	0.44220	1.01132	1.00000	0.85s
4473	0.51913	0.55478	0.93574	0.90000	0.85s
4474	0.52980	0.56210	0.94254	0.96667	0.85s
4475	0.48030	0.46158	1.04055	1.00000	0.85s

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   4476       0.46574       0.43733       1.06496       1.00000  0.85s
   4477       0.44530       0.44487       1.00098       1.00000  0.85s
   4478       0.47081       0.44178       1.06572       1.00000  0.85s
   4479       0.45433       0.47400       0.95850       0.96667  0.86s
   4480       0.47080       0.45107       1.04374       1.00000  0.85s
   4481       0.44757       0.49790       0.89892       0.96667  0.84s
   4482       0.59810       0.48165       1.24177       0.96667  0.84s
   4483       0.43838       0.55797       0.78568       0.96667  0.85s
   4484       0.44198       0.43062       1.02637       1.00000  0.85s
   4485       0.49927       0.45473       1.09794       1.00000  0.85s
   4486       0.58790       0.54476       1.07920       0.96667  0.84s
   4487       0.50957       0.43911       1.16048       1.00000  0.84s
   4488       0.50319       0.42950       1.17157       1.00000  0.86s
   4489       0.45314       0.42972       1.05450       1.00000  0.84s
   4490       0.45209       0.44477       1.01644       1.00000  0.85s
   4491       0.47847       0.53891       0.88785       0.96667  0.84s
   4492       0.44098       0.43720       1.00863       1.00000  0.85s
   4493       0.44278       0.52392       0.84512       0.96667  0.85s
   4494       0.49710       0.51676       0.96195       0.96667  0.84s
   4495       0.52595       0.53045       0.99151       0.93333  0.86s
   4496       0.49962       0.47638       1.04878       0.96667  0.84s
   4497       0.48716       0.46628       1.04478       1.00000  0.85s
   4498       0.43663       0.44921       0.97199       1.00000  0.85s
   4499       0.45186       0.47101       0.95935       1.00000  0.85s
   4500       0.45392       0.48637       0.93329       0.96667  0.85s
Regularization term: 0.422063142061
2016-07-02 17:04:03,264 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:04:09,630 - root - INFO - Duration of validation: 0:00:06
   4501       0.50761       0.45786       1.10866       1.00000  0.85s
   4502       0.44855       0.44653       1.00453       1.00000  0.85s
   4503       0.46064       0.42822       1.07570       1.00000  0.85s
   4504       0.45817       0.44615       1.02695       1.00000  0.86s
   4505       0.44934       0.54169       0.82951       0.96667  0.85s
   4506       0.46544       0.43563       1.06844       1.00000  0.84s
   4507       0.55130       0.52241       1.05530       0.96667  0.84s
   4508       0.46801       0.45238       1.03455       1.00000  0.84s
   4509       0.46614       0.43765       1.06510       1.00000  0.84s
   4510       0.45654       0.44760       1.01996       1.00000  0.84s
   4511       0.47461       0.44763       1.06026       1.00000  0.85s
   4512       0.56749       0.44547       1.27391       1.00000  0.85s
   4513       0.47849       0.46093       1.03811       1.00000  0.84s
   4514       0.49369       0.51674       0.95540       0.96667  0.86s
   4515       0.49216       0.44635       1.10263       1.00000  0.85s
   4516       0.45325       0.44193       1.02563       1.00000  0.84s
   4517       0.47368       0.55885       0.84759       0.93333  0.85s
   4518       0.44498       0.42366       1.05034       1.00000  0.85s
   4519       0.44945       0.48100       0.93441       1.00000  0.85s
   4520       0.44063       0.42812       1.02921       1.00000  0.85s
   4521       0.50147       0.46399       1.08078       1.00000  0.85s
   4522       0.48430       0.42136       1.14937       1.00000  0.84s
   4523       0.43773       0.43638       1.00308       1.00000  0.85s
   4524       0.43819       0.44524       0.98418       1.00000  0.85s
   4525       0.47911       0.47350       1.01185       0.96667  0.83s
   4526       0.48702       0.42724       1.13992       1.00000  0.84s
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4527	0.48360	0.42683	1.13300	1.00000	0.84s
4528	0.47326	0.52138	0.90770	0.96667	0.84s
4529	0.44159	0.47601	0.92769	0.96667	0.85s
4530	0.45378	0.55872	0.81217	0.93333	0.85s
4531	0.45557	0.46794	0.97356	0.96667	0.85s
4532	0.47243	0.51973	0.90900	0.96667	0.85s
4533	0.45359	0.45581	0.99514	1.00000	0.84s
4534	0.45591	0.43120	1.05731	1.00000	0.84s
4535	0.43485	0.44624	0.97447	1.00000	0.84s
4536	0.46743	0.51674	0.90457	0.93333	0.85s
4537	0.51859	0.42594	1.21753	1.00000	0.84s
4538	0.42929	0.43815	0.97979	1.00000	0.85s
4539	0.48293	0.48531	0.99509	0.96667	0.84s
4540	0.46912	0.44685	1.04984	1.00000	0.86s
4541	0.45952	0.59679	0.76998	0.96667	0.85s
4542	0.43658	0.48987	0.89122	0.96667	0.84s
4543	0.48936	0.44738	1.09382	1.00000	0.84s
4544	0.44252	0.43093	1.02691	1.00000	0.84s
4545	0.47140	0.44053	1.07006	1.00000	0.84s
4546	0.47917	0.51843	0.92428	0.96667	0.85s
4547	0.53195	0.46568	1.14230	1.00000	0.84s
4548	0.48670	0.43489	1.11913	1.00000	0.84s
4549	0.43158	0.43353	0.99550	1.00000	0.86s
4550	0.45502	0.59907	0.75953	0.96667	0.84s
4551	0.49220	0.43817	1.12331	1.00000	0.85s
4552	0.46160	0.42788	1.07879	1.00000	0.85s
4553	0.45582	0.43564	1.04632	1.00000	0.85s
4554	0.50682	0.47724	1.06197	1.00000	0.84s
4555	0.47118	0.42598	1.10611	1.00000	0.84s
4556	0.43210	0.51849	0.83339	0.96667	0.85s
4557	0.44470	0.47670	0.93288	0.96667	0.84s
4558	0.46411	0.46078	1.00724	1.00000	0.84s
4559	0.44788	0.47082	0.95127	0.96667	0.84s
4560	0.45745	0.47221	0.96875	1.00000	0.84s
4561	0.46971	0.49277	0.95321	0.96667	0.85s
4562	0.43096	0.48281	0.89261	0.93333	0.84s
4563	0.44174	0.45698	0.96666	1.00000	0.84s
4564	0.43651	0.45400	0.96147	1.00000	0.85s
4565	0.42653	0.44093	0.96733	1.00000	0.84s
4566	0.52268	0.43971	1.18869	1.00000	0.85s
4567	0.43940	0.47746	0.92030	1.00000	0.85s
4568	0.49239	0.42793	1.15063	1.00000	0.85s
4569	0.48303	0.43838	1.10183	1.00000	0.85s
4570	0.46949	0.47119	0.99639	0.96667	0.86s
4571	0.44165	0.45251	0.97602	1.00000	0.85s
4572	0.43597	0.43908	0.99291	1.00000	0.84s
4573	0.43418	0.47420	0.91561	0.96667	0.85s
4574	0.43839	0.43949	0.99751	1.00000	0.84s
4575	0.44799	0.43325	1.03400	1.00000	0.85s
4576	0.49218	0.58446	0.84211	0.93333	0.85s
4577	0.46106	0.43602	1.05744	1.00000	0.86s
4578	0.47162	0.46836	1.00695	0.96667	0.85s
4579	0.42726	0.43032	0.99289	1.00000	0.84s
4580	0.42700	0.42186	1.01218	1.00000	0.85s

```
   4581       0.43889       0.42580       1.03076       1.00000  0.84s
   4582       0.43106       0.42574       1.01250       1.00000  0.83s
   4583       0.48678       0.42991       1.13227       1.00000  0.85s
   4584       0.46549       0.56910       0.81795       0.93333  0.86s
   4585       0.49890       0.42940       1.16186       1.00000  0.85s
   4586       0.46879       0.44056       1.06408       1.00000  0.85s
   4587       0.42838       0.51676       0.82898       0.96667  0.85s
   4588       0.47942       0.42271       1.13416       1.00000  0.84s
   4589       0.43796       0.48393       0.90500       0.96667  0.85s
   4590       0.43548       0.52398       0.83110       0.93333  0.84s
   4591       0.43533       0.41870       1.03972       1.00000  0.85s
   4592       0.48401       0.51515       0.93955       0.93333  0.85s
   4593       0.43345       0.46178       0.93866       1.00000  0.84s
   4594       0.43876       0.45649       0.96116       1.00000  0.84s
   4595       0.53355       0.45763       1.16589       1.00000  0.84s
   4596       0.43295       0.54260       0.79791       0.93333  0.85s
   4597       0.47101       0.45303       1.03968       0.96667  0.85s
   4598       0.47350       0.42794       1.10647       1.00000  0.85s
   4599       0.48345       0.48481       0.99719       1.00000  0.84s
   4600       0.44616       0.43511       1.02541       1.00000  0.84s
Regularization term: 0.406340450048
2016-07-02 17:05:41,572 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:05:47,324 - root - INFO - Duration of validation: 0:00:05
   4601       0.44706       0.54724       0.81693       0.93333  0.85s
   4602       0.51142       0.46225       1.10635       1.00000  0.85s
   4603       0.43404       0.43667       0.99397       1.00000  0.85s
   4604       0.44544       0.42695       1.04330       1.00000  0.84s
   4605       0.48730       0.42601       1.14387       1.00000  0.84s
   4606       0.47119       0.48013       0.98138       0.96667  0.84s
   4607       0.47276       0.41906       1.12814       1.00000  0.85s
   4608       0.43623       0.41723       1.04555       1.00000  0.85s
   4609       0.43181       0.50426       0.85633       0.96667  0.85s
   4610       0.42644       0.50360       0.84678       0.96667  0.85s
   4611       0.49652       0.48584       1.02200       0.96667  0.87s
   4612       0.42462       0.49954       0.85003       0.96667  0.85s
   4613       0.43723       0.42073       1.03923       1.00000  0.85s
   4614       0.42293       0.47071       0.89848       0.96667  0.85s
   4615       0.42574       0.42231       1.00812       1.00000  0.84s
   4616       0.44891       0.41313       1.08660       1.00000  0.84s
   4617       0.44138       0.42527       1.03788       1.00000  0.85s
   4618       0.48417       0.42169       1.14816       1.00000  0.85s
   4619       0.51034       0.47344       1.07793       1.00000  0.86s
   4620       0.46494       0.48644       0.95581       0.96667  0.85s
   4621       0.43949       0.54946       0.79985       0.93333  0.84s
   4622       0.41899       0.41697       1.00484       1.00000  0.84s
   4623       0.47591       0.42392       1.12266       1.00000  0.84s
   4624       0.46095       0.41735       1.10446       1.00000  0.84s
   4625       0.43301       0.42891       1.00956       1.00000  0.84s
   4626       0.42240       0.41732       1.01216       1.00000  0.85s
   4627       0.50543       0.47407       1.06615       0.96667  0.85s
   4628       0.45391       0.46779       0.97033       0.96667  0.85s
   4629       0.42467       0.46630       0.91071       0.96667  0.85s
   4630       0.50238       0.51262       0.98003       0.96667  0.84s
   4631       0.42914       0.46695       0.91902       0.96667  0.84s
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4632	0.42528	0.85603	0.49681	0.90000	0.85s
4633	0.44451	0.45168	0.98414	1.00000	0.85s
4634	0.44091	0.44819	0.98374	1.00000	0.85s
4635	0.43886	0.45506	0.96441	1.00000	0.84s
4636	0.41542	0.56554	0.73456	0.96667	0.85s
4637	0.44185	0.43644	1.01239	1.00000	0.84s
4638	0.44874	0.41369	1.08472	1.00000	0.85s
4639	0.43719	0.43608	1.00255	1.00000	0.84s
4640	0.41460	0.53779	0.77093	0.96667	0.85s
4641	0.49860	0.49709	1.00304	0.93333	0.85s
4642	0.51537	0.43255	1.19147	1.00000	0.85s
4643	0.51031	0.43654	1.16899	1.00000	0.84s
4644	0.43015	0.44946	0.95705	0.96667	0.85s
4645	0.44295	0.44890	0.98675	0.96667	0.85s
4646	0.51464	0.42774	1.20318	1.00000	0.84s
4647	0.44219	0.50766	0.87104	0.93333	0.85s
4648	0.43407	0.42196	1.02869	1.00000	0.85s
4649	0.50760	0.41091	1.23531	1.00000	0.85s
4650	0.45947	0.43752	1.05015	1.00000	0.85s
4651	0.44344	0.46392	0.95586	0.96667	0.86s
4652	0.41998	0.46335	0.90640	0.96667	0.85s
4653	0.43401	0.47375	0.91612	0.96667	0.84s
4654	0.43444	0.43838	0.99102	1.00000	0.85s
4655	0.43067	0.47205	0.91233	0.96667	0.85s
4656	0.43752	0.45982	0.95151	1.00000	0.85s
4657	0.43290	0.52128	0.83046	0.96667	0.85s
4658	0.43511	0.42015	1.03559	1.00000	0.85s
4659	0.46280	0.48965	0.94516	0.96667	0.85s
4660	0.41391	0.41662	0.99350	1.00000	0.84s
4661	0.49717	0.52957	0.93882	0.96667	0.84s
4662	0.49243	0.43093	1.14271	1.00000	0.85s
4663	0.44678	0.59607	0.74954	0.93333	0.83s
4664	0.41162	0.41751	0.98589	1.00000	0.85s
4665	0.42718	0.58081	0.73549	0.93333	0.85s
4666	0.41961	0.43886	0.95614	1.00000	0.85s
4667	0.45573	0.43682	1.04329	1.00000	0.84s
4668	0.48366	0.42865	1.12831	1.00000	0.85s
4669	0.41102	0.41370	0.99352	1.00000	0.86s
4670	0.41241	0.44836	0.91982	0.96667	0.86s
4671	0.41242	0.42063	0.98047	1.00000	0.84s
4672	0.41968	0.40752	1.02983	1.00000	0.85s
4673	0.43745	0.48107	0.90932	0.96667	0.85s
4674	0.45241	0.43172	1.04793	1.00000	0.85s
4675	0.44929	0.45841	0.98011	0.96667	0.85s
4676	0.40863	0.68341	0.59792	0.90000	0.85s
4677	0.43600	0.46226	0.94319	0.96667	0.85s
4678	0.47805	0.45662	1.04694	0.96667	0.85s
4679	0.44117	0.50600	0.87187	0.96667	0.84s
4680	0.41792	0.48913	0.85442	0.96667	0.86s
4681	0.43313	0.40241	1.07635	1.00000	0.85s
4682	0.42409	0.42984	0.98663	1.00000	0.84s
4683	0.41021	0.42550	0.96407	1.00000	0.85s
4684	0.43382	0.40221	1.07860	1.00000	0.85s
4685	0.43919	0.40461	1.08544	1.00000	0.85s

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   4686       0.50757       0.47718       1.06369       0.96667  0.85s
   4687       0.45367       0.42289       1.07278       1.00000  0.85s
   4688       0.41352       0.41258       1.00227       1.00000  0.86s
   4689       0.42158       0.41166       1.02409       1.00000  0.85s
   4690       0.45105       0.42343       1.06523       1.00000  0.85s
   4691       0.44241       0.45641       0.96933       0.96667  0.85s
   4692       0.42991       0.43437       0.98974       1.00000  0.85s
   4693       0.41189       0.40808       1.00936       1.00000  0.84s
   4694       0.43235       0.41809       1.03411       1.00000  0.84s
   4695       0.43566       0.40638       1.07205       1.00000  0.84s
   4696       0.44133       0.46184       0.95560       0.96667  0.86s
   4697       0.42039       0.57939       0.72558       0.93333  0.84s
   4698       0.41015       0.49360       0.83094       0.96667  0.85s
   4699       0.41423       0.58010       0.71407       0.90000  0.85s
   4700       0.42154       0.50274       0.83848       0.96667  0.84s
Regularization term: 0.39296400547
2016-07-02 17:07:19,314 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:07:25,736 - root - INFO - Duration of validation: 0:00:06
   4701       0.41146       0.41317       0.99584       1.00000  0.85s
   4702       0.50305       0.42853       1.17389       1.00000  0.85s
   4703       0.41262       0.56664       0.72820       0.96667  0.86s
   4704       0.44986       0.47445       0.94816       0.96667  0.85s
   4705       0.42838       0.40378       1.06091       1.00000  0.85s
   4706       0.41580       0.41422       1.00383       1.00000  0.84s
   4707       0.44246       0.49821       0.88811       0.96667  0.84s
   4708       0.40661       0.43562       0.93341       1.00000  0.86s
   4709       0.45323       0.47833       0.94752       0.96667  0.85s
   4710       0.41688       0.43005       0.96938       1.00000  0.84s
   4711       0.45550       0.42053       1.08316       1.00000  0.85s
   4712       0.42859       0.41717       1.02739       1.00000  0.85s
   4713       0.44216       0.41187       1.07353       1.00000  0.84s
   4714       0.40813       0.53792       0.75873       0.93333  0.85s
   4715       0.41164       0.49447       0.83248       0.96667  0.85s
   4716       0.40578       0.40228       1.00871       1.00000  0.85s
   4717       0.47855       0.43618       1.09713       1.00000  0.84s
   4718       0.46956       0.41090       1.14275       1.00000  0.84s
   4719       0.40741       0.41612       0.97907       1.00000  0.84s
   4720       0.48090       0.41869       1.14857       1.00000  0.85s
   4721       0.41832       0.44296       0.94437       1.00000  0.85s
   4722       0.42119       0.48552       0.86750       0.96667  0.85s
   4723       0.42227       0.39565       1.06728       1.00000  0.84s
   4724       0.42316       0.49722       0.85106       0.96667  0.86s
   4725       0.41316       0.47611       0.86777       0.96667  0.85s
   4726       0.41407       0.41074       1.00811       1.00000  0.85s
   4727       0.42438       0.45743       0.92773       0.96667  0.85s
   4728       0.54903       0.40625       1.35146       1.00000  0.85s
   4729       0.41463       0.40480       1.02428       1.00000  0.85s
   4730       0.41494       0.40989       1.01233       1.00000  0.84s
   4731       0.40161       0.45588       0.88097       1.00000  0.84s
   4732       0.42203       0.42174       1.00069       1.00000  0.84s
   4733       0.41690       0.44183       0.94358       1.00000  0.85s
   4734       0.43786       0.44759       0.97827       0.96667  0.85s
   4735       0.42930       0.39487       1.08718       1.00000  0.84s
   4736       0.50635       0.40340       1.25520       1.00000  0.85s
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4737	0.40070	0.47726	0.83959	0.96667	0.85s
4738	0.42311	0.42125	1.00442	1.00000	0.85s
4739	0.40761	0.40830	0.99829	1.00000	0.85s
4740	0.44572	0.42100	1.05871	1.00000	0.85s
4741	0.42618	0.45842	0.92968	0.96667	0.85s
4742	0.42397	0.44280	0.95748	1.00000	0.84s
4743	0.41122	0.40759	1.00890	1.00000	0.84s
4744	0.41047	0.39673	1.03464	1.00000	0.85s
4745	0.40746	0.41244	0.98793	1.00000	0.85s
4746	0.39905	0.39261	1.01642	1.00000	0.85s
4747	0.41478	0.40786	1.01696	1.00000	0.85s
4748	0.43672	0.42218	1.03445	1.00000	0.85s
4749	0.42278	0.39780	1.06280	1.00000	0.85s
4750	0.43752	0.39696	1.10218	1.00000	0.85s
4751	0.40132	0.48543	0.82673	0.96667	0.84s
4752	0.43421	0.39863	1.08928	1.00000	0.85s
4753	0.40363	0.46786	0.86273	0.96667	0.84s
4754	0.45094	0.41812	1.07849	1.00000	0.85s
4755	0.40229	0.76800	0.52382	0.90000	0.85s
4756	0.40155	0.42174	0.95214	1.00000	0.85s
4757	0.40102	0.39316	1.02000	1.00000	0.86s
4758	0.52030	0.39253	1.32551	1.00000	0.85s
4759	0.41936	0.41990	0.99871	1.00000	0.84s
4760	0.43222	0.41052	1.05287	1.00000	0.85s
4761	0.40246	0.41289	0.97475	1.00000	0.85s
4762	0.41718	0.46410	0.89890	0.96667	0.85s
4763	0.45552	0.43480	1.04766	1.00000	0.85s
4764	0.49604	0.42047	1.17973	1.00000	0.84s
4765	0.41180	0.41661	0.98844	1.00000	0.85s
4766	0.51615	0.44388	1.16281	0.96667	0.85s
4767	0.44157	0.44377	0.99504	1.00000	0.84s
4768	0.42307	0.44684	0.94681	0.96667	0.84s
4769	0.41403	0.58950	0.70234	0.93333	0.85s
4770	0.40156	0.42669	0.94111	1.00000	0.85s
4771	0.40223	0.41412	0.97129	1.00000	0.85s
4772	0.42314	0.40502	1.04472	1.00000	0.85s
4773	0.47101	0.45649	1.03181	0.96667	0.85s
4774	0.40598	0.43159	0.94067	1.00000	0.84s
4775	0.44115	0.44631	0.98844	0.96667	0.84s
4776	0.41082	0.41242	0.99612	1.00000	0.84s
4777	0.42306	0.42497	0.99551	1.00000	0.84s
4778	0.39321	0.46548	0.84475	0.96667	0.85s
4779	0.43264	0.40450	1.06955	1.00000	0.85s
4780	0.39364	0.49826	0.79004	0.96667	0.86s
4781	0.40994	0.39905	1.02730	1.00000	0.85s
4782	0.42255	0.39020	1.08291	1.00000	0.85s
4783	0.40435	0.46014	0.87874	1.00000	0.85s
4784	0.46650	0.42402	1.10017	1.00000	0.85s
4785	0.43567	0.40557	1.07423	1.00000	0.84s
4786	0.43425	0.39179	1.10837	1.00000	0.84s
4787	0.42340	0.41431	1.02196	1.00000	0.84s
4788	0.47549	0.44830	1.06064	0.96667	0.85s
4789	0.48135	0.41454	1.16117	1.00000	0.85s
4790	0.40726	0.39302	1.03623	1.00000	0.85s

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   4791       0.41159       0.44326       0.92856       0.96667  0.85s
   4792       0.41238       0.42534       0.96952       1.00000  0.84s
   4793       0.39758       0.38910       1.02180       1.00000  0.85s
   4794       0.42125       0.40729       1.03427       1.00000  0.84s
   4795       0.47043       0.38412       1.22470       1.00000  0.85s
   4796       0.44084       0.38993       1.13055       1.00000  0.85s
   4797       0.43239       0.41477       1.04248       1.00000  0.85s
   4798       0.43774       0.40700       1.07551       1.00000  0.84s
   4799       0.43617       0.41957       1.03955       1.00000  0.84s
   4800       0.41348       0.39407       1.04925       1.00000  0.85s
Regularization term: 0.380362391472
2016-07-02 17:08:57,808 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:09:03,556 - root - INFO - Duration of validation: 0:00:05
   4801       0.45237       0.39095       1.15710       1.00000  0.85s
   4802       0.39482       0.52293       0.75500       0.93333  0.85s
   4803       0.42733       0.42113       1.01474       1.00000  0.85s
   4804       0.39781       0.38980       1.02055       1.00000  0.85s
   4805       0.46548       0.42803       1.08751       1.00000  0.85s
   4806       0.41245       0.39776       1.03695       1.00000  0.84s
   4807       0.45438       0.38575       1.17791       1.00000  0.85s
   4808       0.39379       0.43871       0.89759       0.96667  0.86s
   4809       0.40541       0.46856       0.86523       0.96667  0.85s
   4810       0.48390       0.38705       1.25022       1.00000  0.84s
   4811       0.43654       0.39552       1.10369       1.00000  0.85s
   4812       0.64434       0.39242       1.64197       1.00000  0.85s
   4813       0.45351       0.50949       0.89012       0.96667  0.85s
   4814       0.41857       0.38799       1.07880       1.00000  0.85s
   4815       0.38771       0.38433       1.00878       1.00000  0.85s
   4816       0.40444       0.45005       0.89865       0.96667  0.85s
   4817       0.51107       0.38396       1.33106       1.00000  0.85s
   4818       0.40598       0.40321       1.00688       1.00000  0.85s
   4819       0.40559       0.42381       0.95702       0.96667  0.84s
   4820       0.40959       0.40693       1.00653       1.00000  0.85s
   4821       0.48144       0.39370       1.22289       1.00000  0.85s
   4822       0.40428       0.43762       0.92382       1.00000  0.85s
   4823       0.39614       0.40085       0.98827       1.00000  0.86s
   4824       0.41403       0.42485       0.97453       0.96667  0.85s
   4825       0.43379       0.38522       1.12608       1.00000  0.85s
   4826       0.44843       0.43545       1.02981       1.00000  0.85s
   4827       0.41314       0.43129       0.95791       0.96667  0.84s
   4828       0.41291       0.40087       1.03003       1.00000  0.84s
   4829       0.43051       0.44089       0.97646       0.96667  0.87s
   4830       0.56424       0.42611       1.32416       0.96667  0.85s
   4831       0.48089       0.41684       1.15367       1.00000  0.84s
   4832       0.46188       0.38299       1.20600       1.00000  0.86s
   4833       0.39165       0.39426       0.99339       1.00000  0.86s
   4834       0.39307       0.47620       0.82543       0.96667  0.85s
   4835       0.39718       0.55729       0.71270       0.93333  0.86s
   4836       0.44338       0.42448       1.04452       1.00000  0.85s
   4837       0.40117       0.45613       0.87951       0.93333  0.84s
   4838       0.43276       0.38248       1.13144       1.00000  0.84s
   4839       0.45043       0.40629       1.10863       1.00000  0.85s
   4840       0.39703       0.38849       1.02197       1.00000  0.85s
   4841       0.39761       0.47571       0.83582       0.96667  0.85s
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4842	0.39008	0.40700	0.95843	1.00000	0.84s
4843	0.40514	0.39391	1.02853	1.00000	0.85s
4844	0.38801	0.38693	1.00281	1.00000	0.84s
4845	0.55284	0.39091	1.41425	1.00000	0.84s
4846	0.46662	0.40061	1.16478	1.00000	0.84s
4847	0.41396	0.46783	0.88485	0.96667	0.85s
4848	0.40072	0.38939	1.02909	1.00000	0.85s
4849	0.46134	0.48225	0.95665	0.93333	0.85s
4850	0.38738	0.38395	1.00891	1.00000	0.85s
4851	0.38919	0.39837	0.97695	1.00000	0.84s
4852	0.39242	0.38989	1.00650	1.00000	0.85s
4853	0.45727	0.37957	1.20468	1.00000	0.85s
4854	0.39763	0.39073	1.01768	1.00000	0.85s
4855	0.39226	0.43609	0.89950	0.96667	0.85s
4856	0.42979	0.45296	0.94883	0.96667	0.85s
4857	0.40037	0.38542	1.03881	1.00000	0.85s
4858	0.39099	0.45373	0.86171	0.96667	0.85s
4859	0.38726	0.43246	0.89548	0.96667	0.85s
4860	0.45742	0.39609	1.15484	1.00000	0.84s
4861	0.44943	0.41004	1.09605	1.00000	0.85s
4862	0.41338	0.37825	1.09288	1.00000	0.85s
4863	0.38694	0.39303	0.98451	1.00000	0.83s
4864	0.39356	0.38245	1.02905	1.00000	0.85s
4865	0.42369	0.42527	0.99629	1.00000	0.85s
4866	0.41713	0.42368	0.98455	1.00000	0.85s
4867	0.39269	0.38520	1.01946	1.00000	0.85s
4868	0.41848	0.60884	0.68734	0.96667	0.86s
4869	0.41644	0.42638	0.97669	0.96667	0.85s
4870	0.39861	0.42534	0.93717	0.96667	0.84s
4871	0.39655	0.48292	0.82116	0.96667	0.84s
4872	0.46428	0.41377	1.12207	0.96667	0.87s
4873	0.42008	0.45506	0.92313	0.96667	0.85s
4874	0.45240	0.39784	1.13716	1.00000	0.84s
4875	0.46415	0.48527	0.95647	0.96667	0.85s
4876	0.40246	0.38744	1.03876	1.00000	0.85s
4877	0.39215	0.41089	0.95439	1.00000	0.85s
4878	0.39498	0.39044	1.01164	1.00000	0.85s
4879	0.42342	0.53064	0.79795	0.93333	0.85s
4880	0.42000	0.40977	1.02496	1.00000	0.85s
4881	0.41838	0.38736	1.08010	1.00000	0.85s
4882	0.38856	0.40186	0.96690	1.00000	0.84s
4883	0.46679	0.46507	1.00371	0.96667	0.85s
4884	0.39083	0.37936	1.03025	1.00000	0.85s
4885	0.38367	0.40048	0.95802	1.00000	0.84s
4886	0.42214	0.46630	0.90529	0.96667	0.84s
4887	0.39405	0.37474	1.05153	1.00000	0.85s
4888	0.40291	0.38224	1.05408	1.00000	0.85s
4889	0.38187	0.38336	0.99612	1.00000	0.85s
4890	0.38585	0.37904	1.01797	1.00000	0.84s
4891	0.50068	0.42752	1.17113	0.96667	0.84s
4892	0.39091	0.41350	0.94536	1.00000	0.85s
4893	0.40859	0.38732	1.05491	1.00000	0.84s
4894	0.38359	0.39560	0.96964	1.00000	0.84s
4895	0.39042	0.74496	0.52409	0.93333	0.85s

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   4896       0.41024       0.41030       0.99984       1.00000  0.85s
   4897       0.38150       0.41053       0.92929       1.00000  0.85s
   4898       0.41390       0.37544       1.10242       1.00000  0.84s
   4899       0.45431       0.46360       0.97996       0.96667  0.85s
   4900       0.41640       0.43852       0.94956       0.96667  0.85s
Regularization term: 0.367419660091
2016-07-02 17:10:35,696 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:10:41,484 - root - INFO - Duration of validation: 0:00:05
   4901       0.38767       0.42067       0.92154       0.96667  0.86s
   4902       0.50581       0.55348       0.91386       0.93333  0.84s
   4903       0.38419       0.40560       0.94722       1.00000  0.85s
   4904       0.53766       0.41216       1.30448       0.96667  0.85s
   4905       0.41135       0.41114       1.00051       0.96667  0.85s
   4906       0.38842       0.57029       0.68109       0.93333  0.85s
   4907       0.40939       0.42517       0.96290       0.96667  0.85s
   4908       0.37861       0.41250       0.91783       1.00000  0.85s
   4909       0.38503       0.39893       0.96517       1.00000  0.84s
   4910       0.38636       0.49306       0.78359       0.93333  0.85s
   4911       0.38658       0.58674       0.65886       0.96667  0.84s
   4912       0.41722       0.37253       1.11994       1.00000  0.85s
   4913       0.45224       0.37162       1.21695       1.00000  0.84s
   4914       0.42292       0.37966       1.11393       1.00000  0.84s
   4915       0.45242       0.40514       1.11672       1.00000  0.85s
   4916       0.40107       0.37540       1.06838       1.00000  0.85s
   4917       0.40961       0.49823       0.82212       0.96667  0.85s
   4918       0.39747       0.37156       1.06975       1.00000  0.85s
   4919       0.39509       0.49155       0.80375       0.96667  0.85s
   4920       0.37552       0.37821       0.99288       1.00000  0.85s
   4921       0.39721       0.51670       0.76874       0.93333  0.86s
   4922       0.40788       0.38135       1.06958       1.00000  0.85s
   4923       0.41436       0.43522       0.95208       0.96667  0.85s
   4924       0.38004       0.37677       1.00867       1.00000  0.86s
   4925       0.39743       0.40732       0.97570       0.96667  0.85s
   4926       0.38765       0.39084       0.99182       1.00000  0.84s
   4927       0.38395       0.40289       0.95301       1.00000  0.84s
   4928       0.38551       0.37663       1.02358       1.00000  0.85s
   4929       0.38011       0.38251       0.99371       1.00000  0.85s
   4930       0.42441       0.38886       1.09142       1.00000  0.85s
   4931       0.40518       0.66903       0.60562       0.93333  0.85s
   4932       0.37735       0.37899       0.99569       1.00000  0.84s
   4933       0.42466       0.38803       1.09439       1.00000  0.85s
   4934       0.39971       0.43886       0.91080       0.96667  0.85s
   4935       0.47169       0.39727       1.18733       1.00000  0.85s
   4936       0.51582       0.46595       1.10704       0.96667  0.85s
   4937       0.39812       0.38762       1.02707       1.00000  0.85s
   4938       0.41388       0.43951       0.94168       0.96667  0.85s
   4939       0.43214       0.39070       1.10605       1.00000  0.84s
   4940       0.41567       0.38113       1.09061       1.00000  0.84s
   4941       0.37796       0.37025       1.02083       1.00000  0.85s
   4942       0.41870       0.40926       1.02308       1.00000  0.85s
   4943       0.43477       0.36987       1.17547       1.00000  0.84s
   4944       0.40784       0.38391       1.06234       1.00000  0.85s
   4945       0.51980       0.49185       1.05684       0.93333  0.85s
   4946       0.41487       0.39724       1.04439       1.00000  0.85s
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4947	0.42921	0.42553	1.00864	0.96667	0.84s
4948	0.37762	0.38320	0.98542	1.00000	0.85s
4949	0.37651	0.38553	0.97662	1.00000	0.85s
4950	0.40794	0.42727	0.95476	1.00000	0.84s
4951	0.39748	0.41094	0.96725	1.00000	0.85s
4952	0.38791	0.39185	0.98994	1.00000	0.85s
4953	0.41039	0.37605	1.09133	1.00000	0.85s
4954	0.39454	0.37344	1.05650	1.00000	0.84s
4955	0.41944	0.39198	1.07006	1.00000	0.85s
4956	0.37827	0.45033	0.84000	0.96667	0.85s
4957	0.42616	0.39617	1.07570	1.00000	0.84s
4958	0.41216	0.37335	1.10395	1.00000	0.84s
4959	0.44322	0.40213	1.10218	1.00000	0.85s
4960	0.40963	0.43656	0.93829	0.96667	0.85s
4961	0.39866	0.40525	0.98374	1.00000	0.85s
4962	0.38900	0.38358	1.01412	1.00000	0.85s
4963	0.37582	0.41223	0.91166	1.00000	0.85s
4964	0.37669	0.39970	0.94242	1.00000	0.86s
4965	0.41453	0.48043	0.86284	0.96667	0.84s
4966	0.40301	0.36907	1.09197	1.00000	0.85s
4967	0.39231	0.55412	0.70798	0.90000	0.84s
4968	0.39424	0.54466	0.72383	0.96667	0.85s
4969	0.41453	0.37652	1.10096	1.00000	0.85s
4970	0.40258	0.47936	0.83983	0.96667	0.85s
4971	0.39449	0.39257	1.00487	1.00000	0.84s
4972	0.38487	0.68256	0.56386	0.96667	0.85s
4973	0.38410	0.43687	0.87922	0.96667	0.85s
4974	0.37517	0.37795	0.99263	1.00000	0.84s
4975	0.45975	0.38054	1.20816	1.00000	0.84s
4976	0.39703	0.40300	0.98518	1.00000	0.85s
4977	0.40098	0.39640	1.01155	1.00000	0.85s
4978	0.39042	0.63046	0.61926	0.90000	0.86s
4979	0.39843	0.39354	1.01242	1.00000	0.85s
4980	0.38815	0.38273	1.01416	1.00000	0.85s
4981	0.40527	0.37600	1.07785	1.00000	0.85s
4982	0.43016	0.40070	1.07353	1.00000	0.84s
4983	0.39131	0.51674	0.75727	0.96667	0.84s
4984	0.39440	0.38676	1.01975	1.00000	0.86s
4985	0.38670	0.39868	0.96996	1.00000	0.85s
4986	0.45669	0.48706	0.93766	0.96667	0.86s
4987	0.37632	0.45984	0.81838	0.93333	0.84s
4988	0.37337	0.45975	0.81213	0.96667	0.86s
4989	0.46632	0.41614	1.12059	0.96667	0.85s
4990	0.39018	0.46333	0.84213	0.96667	0.84s
4991	0.40547	0.37906	1.06967	1.00000	0.85s
4992	0.51140	0.38134	1.34106	1.00000	0.85s
4993	0.38628	0.38686	0.99851	1.00000	0.85s
4994	0.39060	0.36963	1.05673	1.00000	0.84s
4995	0.37917	0.38135	0.99429	1.00000	0.85s
4996	0.38515	0.37465	1.02802	1.00000	0.85s
4997	0.37284	0.43854	0.85018	0.96667	0.84s
4998	0.38334	0.38400	0.99828	1.00000	0.85s
4999	0.38813	0.37676	1.03020	1.00000	0.85s
5000	0.42022	0.40901	1.02741	1.00000	0.85s

```
Regularization term: 0.356451034546
2016-07-02 17:12:13,561 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:12:19,402 - root - INFO - Duration of validation: 0:00:05
   5001       0.43014       0.38341       1.12187       1.00000  0.85s
   5002       0.38648       0.73679       0.52456       0.93333  0.84s
   5003       0.40270       0.42667       0.94383       0.96667  0.85s
   5004       0.42203       0.38323       1.10124       1.00000  0.85s
   5005       0.38960       0.38213       1.01952       1.00000  0.86s
   5006       0.38364       0.43744       0.87700       0.96667  0.84s
   5007       0.38393       0.41511       0.92489       1.00000  0.84s
   5008       0.36690       0.40636       0.90289       1.00000  0.85s
   5009       0.45022       0.37307       1.20682       1.00000  0.85s
   5010       0.37740       0.37506       1.00623       1.00000  0.84s
   5011       0.37509       0.37599       0.99759       1.00000  0.86s
   5012       0.44085       0.44527       0.99007       0.96667  0.84s
   5013       0.44146       0.39205       1.12605       1.00000  0.85s
   5014       0.40664       0.41968       0.96895       0.96667  0.84s
   5015       0.40870       0.41031       0.99608       1.00000  0.84s
   5016       0.42706       0.43637       0.97868       0.96667  0.85s
   5017       0.45101       0.38798       1.16246       1.00000  0.85s
   5018       0.44606       0.38897       1.14677       1.00000  0.85s
   5019       0.49499       0.50341       0.98328       0.93333  0.84s
   5020       0.38608       0.36762       1.05020       1.00000  0.84s
   5021       0.41209       0.45404       0.90759       0.96667  0.85s
   5022       0.38869       0.43339       0.89684       0.96667  0.84s
   5023       0.37151       0.38853       0.95620       1.00000  0.85s
   5024       0.36649       0.44219       0.82882       1.00000  0.85s
   5025       0.38364       0.37898       1.01231       1.00000  0.86s
   5026       0.37854       0.49917       0.75834       0.96667  0.85s
   5027       0.41758       0.42898       0.97344       0.96667  0.84s
   5028       0.38742       0.38236       1.01322       1.00000  0.85s
   5029       0.40336       0.37473       1.07640       1.00000  0.86s
   5030       0.40452       0.37670       1.07387       1.00000  0.84s
   5031       0.38478       0.38975       0.98724       1.00000  0.84s
   5032       0.41982       0.59446       0.70623       0.96667  0.85s
   5033       0.37330       0.40139       0.93001       1.00000  0.85s
   5034       0.45820       0.36099       1.26928       1.00000  0.85s
   5035       0.39351       0.36022       1.09243       1.00000  0.84s
   5036       0.38128       0.47526       0.80227       0.93333  0.85s
   5037       0.36470       0.36232       1.00657       1.00000  0.86s
   5038       0.39210       0.38891       1.00821       0.96667  0.84s
   5039       0.41499       0.36838       1.12654       1.00000  0.84s
   5040       0.43654       0.38499       1.13390       1.00000  0.86s
   5041       0.44532       0.37265       1.19501       1.00000  0.86s
   5042       0.37386       0.36546       1.02298       1.00000  0.84s
   5043       0.38141       0.37564       1.01537       1.00000  0.84s
   5044       0.37046       0.41359       0.89572       0.96667  0.84s
   5045       0.47792       0.37371       1.27887       1.00000  0.84s
   5046       0.40606       0.36162       1.12291       1.00000  0.85s
   5047       0.38130       0.37558       1.01521       1.00000  0.84s
   5048       0.37193       0.37653       0.98778       1.00000  0.85s
   5049       0.40217       0.37061       1.08517       1.00000  0.85s
   5050       0.37866       0.38299       0.98870       1.00000  0.85s
   5051       0.38166       0.37148       1.02742       1.00000  0.86s
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   5052       0.39138       0.38503       1.01648       0.96667  0.85s
   5053       0.37448       0.38462       0.97364       1.00000  0.84s
   5054       0.36880       0.36782       1.00266       1.00000  0.85s
   5055       0.36601       0.38320       0.95515       1.00000  0.85s
   5056       0.38964       0.37308       1.04439       1.00000  0.85s
   5057       0.39016       0.36373       1.07267       1.00000  0.86s
   5058       0.45630       0.41542       1.09840       0.96667  0.85s
   5059       0.47944       0.39525       1.21301       1.00000  0.84s
   5060       0.40223       0.41921       0.95948       0.96667  0.85s
   5061       0.39442       0.48546       0.81246       0.96667  0.85s
   5062       0.39442       0.37476       1.05247       1.00000  0.84s
   5063       0.36910       0.40204       0.91808       1.00000  0.84s
   5064       0.43241       0.45819       0.94373       0.96667  0.84s
   5065       0.38678       0.40074       0.96518       0.96667  0.85s
   5066       0.41258       0.54643       0.75506       0.96667  0.85s
   5067       0.42664       0.43316       0.98494       0.96667  0.85s
   5068       0.40987       0.39302       1.04287       1.00000  0.85s
   5069       0.38551       0.41642       0.92577       0.96667  0.85s
   5070       0.37623       0.39965       0.94141       1.00000  0.84s
   5071       0.38192       0.43900       0.86999       0.96667  0.84s
   5072       0.37727       0.50395       0.74863       0.93333  0.85s
   5073       0.37800       0.39731       0.95138       1.00000  0.85s
   5074       0.37835       0.42218       0.89617       0.96667  0.85s
   5075       0.39031       0.50021       0.78028       0.96667  0.85s
   5076       0.38814       0.38108       1.01854       1.00000  0.85s
   5077       0.44714       0.40167       1.11318       0.96667  0.85s
   5078       0.39195       0.38619       1.01494       1.00000  0.85s
   5079       0.36369       0.36023       1.00960       1.00000  0.85s
   5080       0.38643       0.37617       1.02728       1.00000  0.85s
   5081       0.41562       0.39946       1.04047       0.96667  0.85s
   5082       0.43488       0.39141       1.11107       1.00000  0.84s
   5083       0.35942       0.36923       0.97344       1.00000  0.85s
   5084       0.37494       0.35723       1.04959       1.00000  0.85s
   5085       0.36491       0.41988       0.86909       0.96667  0.85s
   5086       0.37478       0.37832       0.99062       1.00000  0.84s
   5087       0.37058       0.36988       1.00189       1.00000  0.84s
   5088       0.37373       0.43011       0.86892       0.96667  0.85s
   5089       0.37617       0.39189       0.95988       1.00000  0.84s
   5090       0.40086       0.37474       1.06971       1.00000  0.85s
   5091       0.38514       0.35863       1.07391       1.00000  0.86s
   5092       0.39268       0.39146       1.00313       1.00000  0.85s
   5093       0.38771       0.37764       1.02665       1.00000  0.84s
   5094       0.36994       0.36326       1.01837       1.00000  0.84s
   5095       0.36540       0.43034       0.84909       1.00000  0.85s
   5096       0.38480       0.36502       1.05419       1.00000  0.85s
   5097       0.39381       0.37425       1.05225       1.00000  0.85s
   5098       0.43706       0.36691       1.19120       1.00000  0.85s
   5099       0.38358       0.41524       0.92376       0.96667  0.84s
   5100       0.39443       0.43495       0.90685       0.93333  0.84s
Regularization term: 0.348803699017
2016-07-02 17:13:51,482 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:13:57,378 - root - INFO - Duration of validation: 0:00:05
   5101       0.37483       0.64563       0.58056       0.93333  0.84s
   5102       0.36296       0.37412       0.97016       1.00000  0.85s
```

5103	0.41209	0.36994	1.11395	1.00000	0.84s
5104	0.43294	0.41099	1.05340	0.96667	0.85s
5105	0.40883	0.35759	1.14331	1.00000	0.86s
5106	0.37417	0.36282	1.03127	1.00000	0.85s
5107	0.40487	0.48781	0.82997	0.96667	0.85s
5108	0.37459	0.35767	1.04731	1.00000	0.84s
5109	0.40524	0.39437	1.02755	1.00000	0.85s
5110	0.36692	0.41462	0.88497	0.96667	0.84s
5111	0.37813	0.35485	1.06560	1.00000	0.84s
5112	0.37497	0.35308	1.06198	1.00000	0.85s
5113	0.36064	0.38221	0.94355	1.00000	0.85s
5114	0.36638	0.35715	1.02582	1.00000	0.85s
5115	0.35868	0.35646	1.00624	1.00000	0.85s
5116	0.39570	0.36128	1.09526	1.00000	0.84s
5117	0.36578	0.37247	0.98203	1.00000	0.85s
5118	0.38202	0.40633	0.94018	0.96667	0.85s
5119	0.40426	0.48240	0.83802	0.93333	0.85s
5120	0.35974	0.35490	1.01364	1.00000	0.84s
5121	0.40211	0.43159	0.93170	0.96667	0.84s
5122	0.37110	0.38850	0.95522	1.00000	0.85s
5123	0.38829	0.36707	1.05780	1.00000	0.85s
5124	0.43608	0.37771	1.15453	1.00000	0.84s
5125	0.36379	0.38308	0.94963	1.00000	0.84s
5126	0.38412	0.44334	0.86643	0.96667	0.84s
5127	0.36828	0.39365	0.93555	1.00000	0.84s
5128	0.39350	0.40717	0.96644	0.96667	0.85s
5129	0.37381	0.41114	0.90921	0.96667	0.85s
5130	0.37414	0.42104	0.88861	0.93333	0.84s
5131	0.38241	0.40943	0.93399	0.96667	0.85s
5132	0.38617	0.37912	1.01860	1.00000	0.84s
5133	0.37873	0.37844	1.00077	1.00000	0.84s
5134	0.37746	0.35966	1.04948	1.00000	0.85s
5135	0.42830	0.35876	1.19383	1.00000	0.84s
5136	0.38059	0.38582	0.98643	0.96667	0.85s
5137	0.36516	0.37288	0.97930	1.00000	0.84s
5138	0.35629	0.36789	0.96845	1.00000	0.84s
5139	0.43051	0.42554	1.01169	0.96667	0.84s
5140	0.36979	0.36519	1.01261	1.00000	0.85s
5141	0.37523	0.37179	1.00925	1.00000	0.84s
5142	0.36896	0.40293	0.91567	0.96667	0.84s
5143	0.42278	0.35603	1.18750	1.00000	0.84s
5144	0.37307	0.38359	0.97258	1.00000	0.84s
5145	0.37544	0.51362	0.73097	0.93333	0.85s
5146	0.36584	0.38967	0.93885	1.00000	0.86s
5147	0.40651	0.38691	1.05066	1.00000	0.85s
5148	0.37396	0.37582	0.99504	1.00000	0.85s
5149	0.44938	0.40405	1.11219	0.96667	0.85s
5150	0.40702	0.37752	1.07815	1.00000	0.84s
5151	0.41553	0.35526	1.16966	1.00000	0.84s
5152	0.39249	0.35441	1.10744	1.00000	0.84s
5153	0.38806	0.37626	1.03136	1.00000	0.85s
5154	0.35879	0.38189	0.93950	1.00000	0.84s
5155	0.38081	0.37044	1.02799	1.00000	0.85s
5156	0.37361	0.39948	0.93523	1.00000	0.86s

```
   5157       0.36067       0.36232       0.99546       1.00000  0.84s
   5158       0.37096       0.35126       1.05610       1.00000  0.85s
   5159       0.38576       0.36113       1.06820       1.00000  0.84s
   5160       0.39027       0.43414       0.89894       0.96667  0.84s
   5161       0.39769       0.35388       1.12381       1.00000  0.84s
   5162       0.37588       0.36679       1.02478       1.00000  0.84s
   5163       0.44842       0.36038       1.24430       1.00000  0.85s
   5164       0.35681       0.35387       1.00832       1.00000  0.85s
   5165       0.36143       0.35120       1.02914       1.00000  0.84s
   5166       0.43314       0.39289       1.10245       1.00000  0.84s
   5167       0.42123       0.36904       1.14142       1.00000  0.84s
   5168       0.40146       0.52797       0.76038       0.96667  0.87s
   5169       0.43276       0.38884       1.11295       1.00000  0.84s
   5170       0.42487       0.43197       0.98356       0.96667  0.85s
   5171       0.35487       0.36946       0.96048       1.00000  0.84s
   5172       0.44343       0.35256       1.25777       1.00000  0.85s
   5173       0.40374       0.35404       1.14040       1.00000  0.85s
   5174       0.35212       0.38598       0.91228       1.00000  0.84s
   5175       0.36217       0.43632       0.83005       0.96667  0.84s
   5176       0.35736       0.36417       0.98130       1.00000  0.86s
   5177       0.38344       0.38978       0.98371       0.96667  0.85s
   5178       0.35537       0.44122       0.80543       0.96667  0.84s
   5179       0.35204       0.35259       0.99844       1.00000  0.86s
   5180       0.38715       0.37445       1.03391       1.00000  0.85s
   5181       0.39361       0.40226       0.97849       0.96667  0.86s
   5182       0.36283       0.37021       0.98005       1.00000  0.85s
   5183       0.44048       0.52568       0.83793       0.93333  0.84s
   5184       0.39629       0.43436       0.91235       0.96667  0.85s
   5185       0.44896       0.37116       1.20961       1.00000  0.85s
   5186       0.41082       0.50102       0.81996       0.96667  0.84s
   5187       0.49540       0.41496       1.19385       1.00000  0.84s
   5188       0.38104       0.35396       1.07649       1.00000  0.85s
   5189       0.37559       0.38958       0.96410       1.00000  0.85s
   5190       0.42662       0.39493       1.08022       0.96667  0.84s
   5191       0.38428       0.36900       1.04139       1.00000  0.84s
   5192       0.37205       0.39853       0.93355       1.00000  0.84s
   5193       0.36347       0.36654       0.99161       1.00000  0.85s
   5194       0.44078       0.36430       1.20995       1.00000  0.85s
   5195       0.36373       0.43893       0.82867       0.96667  0.85s
   5196       0.49308       0.36975       1.33357       1.00000  0.84s
   5197       0.36774       0.35433       1.03786       1.00000  0.84s
   5198       0.36836       0.35488       1.03799       1.00000  0.84s
   5199       0.39181       0.41947       0.93406       0.96667  0.84s
   5200       0.34982       0.38607       0.90610       1.00000  0.86s
Regularization term: 0.34209227562
2016-07-02 17:15:29,415 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:15:35,250 - root - INFO - Duration of validation: 0:00:05
   5201       0.36202       0.38926       0.93002       0.96667  0.85s
   5202       0.37438       0.45149       0.82922       0.96667  0.85s
   5203       0.42846       0.37588       1.13989       1.00000  0.84s
   5204       0.35477       0.35529       0.99852       1.00000  0.85s
   5205       0.38708       0.35412       1.09310       1.00000  0.85s
   5206       0.36909       0.43384       0.85075       0.96667  0.85s
   5207       0.35696       0.43550       0.81966       0.96667  0.85s
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5208	0.41585	0.40352	1.03054	0.96667	0.85s
5209	0.40154	0.37093	1.08253	1.00000	0.85s
5210	0.41384	0.36169	1.14419	1.00000	0.84s
5211	0.47912	0.38446	1.24621	0.96667	0.85s
5212	0.38484	0.41440	0.92867	0.96667	0.85s
5213	0.37255	0.36060	1.03316	1.00000	0.84s
5214	0.36250	0.36182	1.00187	1.00000	0.85s
5215	0.42590	0.43131	0.98746	0.96667	0.85s
5216	0.35373	0.40155	0.88091	0.96667	0.85s
5217	0.46037	0.36330	1.26717	1.00000	0.85s
5218	0.42084	0.46070	0.91347	0.96667	0.85s
5219	0.37443	0.57719	0.64872	0.93333	0.85s
5220	0.37897	0.37629	1.00713	1.00000	0.85s
5221	0.38446	0.36188	1.06242	1.00000	0.86s
5222	0.35504	0.40167	0.88391	1.00000	0.84s
5223	0.36208	0.35546	1.01861	1.00000	0.86s
5224	0.41248	0.41020	1.00557	0.96667	0.85s
5225	0.36954	0.36515	1.01202	1.00000	0.84s
5226	0.38941	0.37195	1.04692	1.00000	0.85s
5227	0.36999	0.51525	0.71809	0.96667	0.85s
5228	0.38736	0.35380	1.09486	1.00000	0.85s
5229	0.36269	0.48925	0.74133	0.96667	0.84s
5230	0.39787	0.51269	0.77605	0.96667	0.85s
5231	0.37039	0.51481	0.71948	0.96667	0.85s
5232	0.38521	0.36235	1.06309	1.00000	0.84s
5233	0.35636	0.42916	0.83038	0.96667	0.85s
5234	0.36415	0.38604	0.94331	0.96667	0.85s
5235	0.39969	0.39086	1.02259	1.00000	0.84s
5236	0.39949	0.57103	0.69958	0.96667	0.85s
5237	0.38764	0.38202	1.01471	0.96667	0.84s
5238	0.36506	0.36191	1.00871	1.00000	0.85s
5239	0.36943	0.38646	0.95594	1.00000	0.85s
5240	0.37913	0.36674	1.03378	1.00000	0.85s
5241	0.41580	0.36672	1.13385	1.00000	0.85s
5242	0.34919	0.37922	0.92082	1.00000	0.84s
5243	0.37144	0.36271	1.02408	1.00000	0.85s
5244	0.35744	0.42470	0.84161	0.93333	0.84s
5245	0.42028	0.35420	1.18657	1.00000	0.85s
5246	0.36482	0.35880	1.01676	1.00000	0.85s
5247	0.36693	0.49687	0.73848	0.93333	0.85s
5248	0.38677	0.39668	0.97502	1.00000	0.85s
5249	0.41433	0.38320	1.08125	0.96667	0.86s
5250	0.34970	0.45779	0.76387	0.96667	0.84s
5251	0.41014	0.38232	1.07277	1.00000	0.85s
5252	0.37332	0.41182	0.90649	1.00000	0.85s
5253	0.45807	0.36794	1.24494	1.00000	0.85s
5254	0.42053	0.59686	0.70458	0.93333	0.84s
5255	0.35899	0.43862	0.81844	0.96667	0.85s
5256	0.38938	0.35395	1.10008	1.00000	0.86s
5257	0.35771	0.34347	1.04145	1.00000	0.85s
5258	0.37065	0.36014	1.02919	1.00000	0.85s
5259	0.35068	0.38425	0.91264	1.00000	0.84s
5260	0.38139	0.42191	0.90395	0.93333	0.86s
5261	0.39739	0.37823	1.05064	1.00000	0.84s

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   5262       0.41084       0.37564       1.09372       1.00000  0.85s
   5263       0.36828       0.35750       1.03015       1.00000  0.84s
   5264       0.41939       0.36286       1.15580       1.00000  0.84s
   5265       0.41161       0.35839       1.14848       1.00000  0.85s
   5266       0.36038       0.38551       0.93482       1.00000  0.84s
   5267       0.45331       0.35099       1.29150       1.00000  0.84s
   5268       0.38624       0.35314       1.09373       1.00000  0.84s
   5269       0.41982       0.35664       1.17716       1.00000  0.84s
   5270       0.35146       0.39269       0.89500       0.96667  0.84s
   5271       0.35859       0.38452       0.93256       1.00000  0.84s
   5272       0.37433       0.39865       0.93899       0.96667  0.86s
   5273       0.36281       0.35018       1.03607       1.00000  0.85s
   5274       0.37146       0.43526       0.85340       0.96667  0.84s
   5275       0.36470       0.35215       1.03564       1.00000  0.85s
   5276       0.36423       0.35041       1.03943       1.00000  0.84s
   5277       0.45143       0.34814       1.29669       1.00000  0.85s
   5278       0.36664       0.52130       0.70331       0.93333  0.85s
   5279       0.35306       0.34334       1.02829       1.00000  0.84s
   5280       0.35280       0.34107       1.03440       1.00000  0.84s
   5281       0.38244       0.36271       1.05440       1.00000  0.84s
   5282       0.35690       0.39239       0.90955       0.96667  0.84s
   5283       0.38626       0.38091       1.01404       1.00000  0.86s
   5284       0.41679       0.36699       1.13569       1.00000  0.85s
   5285       0.35298       0.37650       0.93753       1.00000  0.84s
   5286       0.44386       0.44341       1.00102       0.93333  0.85s
   5287       0.40059       0.34686       1.15490       1.00000  0.85s
   5288       0.34977       0.37286       0.93809       1.00000  0.85s
   5289       0.40732       0.37723       1.07975       0.96667  0.85s
   5290       0.36999       0.38601       0.95849       1.00000  0.84s
   5291       0.38575       0.39677       0.97222       0.96667  0.85s
   5292       0.41113       0.49481       0.83087       0.96667  0.84s
   5293       0.36991       0.35393       1.04516       1.00000  0.85s
   5294       0.39328       0.34996       1.12380       1.00000  0.84s
   5295       0.38269       0.36447       1.04999       1.00000  0.84s
   5296       0.40040       0.41861       0.95650       0.96667  0.85s
   5297       0.39728       0.40553       0.97965       0.96667  0.85s
   5298       0.35154       0.39759       0.88418       0.96667  0.84s
   5299       0.38052       0.38318       0.99304       0.96667  0.85s
   5300       0.35778       0.34259       1.04436       1.00000  0.85s
Regularization term: 0.335510522127
2016-07-02 17:17:07,369 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:17:13,273 - root - INFO - Duration of validation: 0:00:05
   5301       0.38340       0.40146       0.95500       0.96667  0.86s
   5302       0.36097       0.34865       1.03535       1.00000  0.85s
   5303       0.39798       0.36113       1.10204       1.00000  0.84s
   5304       0.37405       0.42116       0.88815       0.96667  0.85s
   5305       0.37314       0.36085       1.03408       1.00000  0.84s
   5306       0.37542       0.36319       1.03367       1.00000  0.85s
   5307       0.36194       0.70385       0.51422       0.93333  0.85s
   5308       0.38226       0.34873       1.09615       1.00000  0.85s
   5309       0.35037       0.34173       1.02530       1.00000  0.85s
   5310       0.35628       0.40402       0.88185       1.00000  0.85s
   5311       0.35541       0.35791       0.99303       1.00000  0.84s
   5312       0.36937       0.34733       1.06343       1.00000  0.85s
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5313	0.47530	0.36860	1.28948	0.96667	0.85s
5314	0.40402	0.36350	1.11148	1.00000	0.84s
5315	0.36982	0.36852	1.00353	1.00000	0.84s
5316	0.42205	0.37628	1.12164	0.96667	0.85s
5317	0.40278	0.58684	0.68636	0.93333	0.85s
5318	0.38317	0.37053	1.03412	1.00000	0.84s
5319	0.35390	0.43203	0.81915	0.96667	0.85s
5320	0.35320	0.34816	1.01447	1.00000	0.85s
5321	0.40117	0.34539	1.16151	1.00000	0.85s
5322	0.39096	0.34482	1.13379	1.00000	0.84s
5323	0.35476	0.37106	0.95606	1.00000	0.85s
5324	0.37298	0.35964	1.03709	1.00000	0.85s
5325	0.39044	0.37524	1.04049	1.00000	0.85s
5326	0.37382	0.35475	1.05374	1.00000	0.84s
5327	0.38403	0.66968	0.57346	0.90000	0.84s
5328	0.36750	0.35796	1.02667	1.00000	0.85s
5329	0.35606	0.35910	0.99153	1.00000	0.86s
5330	0.34266	0.45584	0.75172	0.96667	0.85s
5331	0.40460	0.38379	1.05422	1.00000	0.84s
5332	0.37926	0.40434	0.93797	0.96667	0.85s
5333	0.41152	0.51019	0.80660	0.93333	0.85s
5334	0.39263	0.35385	1.10962	1.00000	0.84s
5335	0.36753	0.36436	1.00869	1.00000	0.84s
5336	0.39884	0.34842	1.14473	1.00000	0.85s
5337	0.34256	0.35990	0.95182	1.00000	0.85s
5338	0.36168	0.34109	1.06037	1.00000	0.86s
5339	0.36386	0.42393	0.85830	0.93333	0.84s
5340	0.36263	0.34055	1.06484	1.00000	0.84s
5341	0.44132	0.37840	1.16626	0.96667	0.84s
5342	0.35401	0.48405	0.73136	0.96667	0.85s
5343	0.35867	0.35969	0.99714	1.00000	0.85s
5344	0.37569	0.43586	0.86197	0.96667	0.85s
5345	0.41042	0.35000	1.17262	1.00000	0.85s
5346	0.39749	0.48421	0.82089	0.96667	0.85s
5347	0.39608	0.36870	1.07424	1.00000	0.85s
5348	0.37372	0.44673	0.83656	0.96667	0.85s
5349	0.35558	0.57954	0.61356	0.93333	0.85s
5350	0.40087	0.34804	1.15181	1.00000	0.85s
5351	0.35990	0.38809	0.92734	0.96667	0.84s
5352	0.36340	0.40488	0.89756	0.96667	0.85s
5353	0.35929	0.49207	0.73016	0.96667	0.85s
5354	0.36127	0.58306	0.61961	0.93333	0.85s
5355	0.35490	0.36578	0.97026	1.00000	0.85s
5356	0.34454	0.52112	0.66116	0.96667	0.85s
5357	0.35417	0.43017	0.82332	0.93333	0.84s
5358	0.37738	0.39468	0.95616	0.96667	0.84s
5359	0.35126	0.35053	1.00209	1.00000	0.84s
5360	0.39377	0.56386	0.69834	0.93333	0.84s
5361	0.36794	0.37187	0.98945	1.00000	0.85s
5362	0.43978	0.48237	0.91171	0.96667	0.85s
5363	0.36817	0.36656	1.00441	1.00000	0.84s
5364	0.40035	0.34700	1.15376	1.00000	0.85s
5365	0.37411	0.36700	1.01937	1.00000	0.84s
5366	0.34194	0.35986	0.95020	1.00000	0.84s

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   5367       0.34961       0.44185       0.79125       0.96667  0.85s
   5368       0.36633       0.37566       0.97516       1.00000  0.85s
   5369       0.35662       0.35421       1.00679       1.00000  0.85s
   5370       0.36889       0.44498       0.82900       0.96667  0.84s
   5371       0.34515       0.35750       0.96545       1.00000  0.85s
   5372       0.36971       0.34483       1.07215       1.00000  0.84s
   5373       0.36290       0.34546       1.05049       1.00000  0.85s
   5374       0.39674       0.42425       0.93517       0.96667  0.84s
   5375       0.38815       0.35952       1.07962       1.00000  0.84s
   5376       0.38736       0.44445       0.87154       0.96667  0.85s
   5377       0.40111       0.37211       1.07793       0.96667  0.84s
   5378       0.35284       0.35236       1.00137       1.00000  0.85s
   5379       0.37578       0.33713       1.11464       1.00000  0.84s
   5380       0.37618       0.41468       0.90714       0.96667  0.84s
   5381       0.36033       0.41124       0.87622       0.96667  0.85s
   5382       0.40965       0.39422       1.03914       1.00000  0.85s
   5383       0.39062       0.34921       1.11860       1.00000  0.84s
   5384       0.34552       0.44679       0.77333       0.96667  0.85s
   5385       0.43432       0.41150       1.05547       1.00000  0.85s
   5386       0.35631       0.38928       0.91530       0.96667  0.85s
   5387       0.39426       0.36255       1.08746       1.00000  0.86s
   5388       0.47472       0.52033       0.91234       0.93333  0.86s
   5389       0.37533       0.39199       0.95749       0.96667  0.85s
   5390       0.34664       0.43778       0.79183       0.96667  0.85s
   5391       0.40761       0.44245       0.92126       0.96667  0.84s
   5392       0.37753       0.39357       0.95926       1.00000  0.85s
   5393       0.38194       0.45303       0.84307       0.96667  0.85s
   5394       0.33976       0.74327       0.45711       0.93333  0.85s
   5395       0.38388       0.34030       1.12808       1.00000  0.84s
   5396       0.34768       0.48681       0.71421       0.96667  0.85s
   5397       0.40798       0.35769       1.14058       1.00000  0.85s
   5398       0.33885       0.37239       0.90993       1.00000  0.85s
   5399       0.35827       0.36102       0.99238       1.00000  0.85s
   5400       0.44505       0.34999       1.27162       1.00000  0.85s
Regularization term: 0.329810619354
2016-07-02 17:18:46,968 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:18:51,893 - root - INFO - Duration of validation: 0:00:04
   5401       0.34225       0.45066       0.75945       0.96667  0.84s
   5402       0.36801       0.37095       0.99207       1.00000  0.84s
   5403       0.36357       0.37516       0.96913       1.00000  0.84s
   5404       0.39919       0.38400       1.03955       1.00000  0.84s
   5405       0.35761       0.42718       0.83713       0.96667  0.84s
   5406       0.35379       0.39625       0.89286       1.00000  0.84s
   5407       0.37611       0.35257       1.06677       1.00000  0.84s
   5408       0.38345       0.48776       0.78613       0.96667  0.85s
   5409       0.41688       0.36160       1.15289       1.00000  0.85s
   5410       0.37521       0.48943       0.76663       0.93333  0.84s
   5411       0.40919       0.49920       0.81969       0.93333  0.85s
   5412       0.44364       0.38581       1.14990       0.96667  0.85s
   5413       0.41710       0.38827       1.07426       0.96667  0.84s
   5414       0.42641       0.38478       1.10818       0.96667  0.85s
   5415       0.38686       0.35751       1.08211       1.00000  0.84s
   5416       0.35894       0.44217       0.81176       0.96667  0.85s
   5417       0.35376       0.35844       0.98697       1.00000  0.85s
```

5418	0.36932	0.35624	1.03671	1.00000	0.85s
5419	0.37716	0.34992	1.07786	1.00000	0.84s
5420	0.38302	0.38383	0.99791	0.96667	0.85s
5421	0.45103	0.33999	1.32659	1.00000	0.85s
5422	0.41546	0.38017	1.09282	1.00000	0.84s
5423	0.36982	0.41193	0.89776	0.96667	0.84s
5424	0.38159	0.33631	1.13462	1.00000	0.84s
5425	0.36392	0.34532	1.05386	1.00000	0.86s
5426	0.37760	0.39648	0.95239	0.96667	0.85s
5427	0.37596	0.36543	1.02881	1.00000	0.84s
5428	0.35888	0.39261	0.91408	0.96667	0.85s
5429	0.34945	0.54405	0.64230	0.96667	0.86s
5430	0.34590	0.34354	1.00688	1.00000	0.84s
5431	0.34347	0.45478	0.75525	0.96667	0.85s
5432	0.41528	0.39077	1.06270	1.00000	0.85s
5433	0.42734	0.48296	0.88483	0.93333	0.85s
5434	0.33699	0.33073	1.01894	1.00000	0.85s
5435	0.34808	0.37505	0.92809	0.96667	0.84s
5436	0.36123	0.35958	1.00458	1.00000	0.84s
5437	0.38783	0.35808	1.08307	1.00000	0.85s
5438	0.39106	0.36385	1.07478	1.00000	0.85s
5439	0.38462	0.33657	1.14274	1.00000	0.85s
5440	0.35839	0.34497	1.03890	1.00000	0.85s
5441	0.34741	0.33680	1.03152	1.00000	0.85s
5442	0.37361	0.37773	0.98907	1.00000	0.84s
5443	0.39897	0.34189	1.16692	1.00000	0.85s
5444	0.35520	0.35202	1.00903	1.00000	0.85s
5445	0.34590	0.35368	0.97798	1.00000	0.85s
5446	0.37812	0.35993	1.05053	1.00000	0.84s
5447	0.43057	0.33311	1.29259	1.00000	0.84s
5448	0.40815	0.40089	1.01813	1.00000	0.86s
5449	0.33925	0.34384	0.98665	1.00000	0.85s
5450	0.37740	0.39529	0.95474	0.96667	0.85s
5451	0.35640	0.33998	1.04828	1.00000	0.85s
5452	0.42973	0.34567	1.24319	1.00000	0.84s
5453	0.37408	0.77310	0.48387	0.86667	0.84s
5454	0.35340	0.43725	0.80824	1.00000	0.85s
5455	0.36905	0.35067	1.05240	1.00000	0.85s
5456	0.41259	0.42008	0.98216	0.96667	0.85s
5457	0.36806	0.35036	1.05051	1.00000	0.85s
5458	0.36928	0.38850	0.95052	0.96667	0.85s
5459	0.35375	0.51912	0.68144	0.96667	0.85s
5460	0.34246	0.37962	0.90210	0.96667	0.86s
5461	0.34196	0.35303	0.96864	1.00000	0.85s
5462	0.37056	0.48597	0.76252	0.93333	0.84s
5463	0.39990	0.35180	1.13675	1.00000	0.85s
5464	0.35964	0.41712	0.86219	0.96667	0.84s
5465	0.34128	0.59636	0.57228	0.93333	0.84s
5466	0.35859	0.33159	1.08140	1.00000	0.84s
5467	0.34300	0.33394	1.02715	1.00000	0.85s
5468	0.35741	0.33703	1.06046	1.00000	0.85s
5469	0.38962	0.33234	1.17236	1.00000	0.85s
5470	0.35383	0.44002	0.80412	0.96667	0.84s
5471	0.41411	0.43130	0.96015	0.96667	0.84s

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   5472       0.36692       0.47746       0.76847       0.96667  0.85s
   5473       0.33991       0.37946       0.89576       1.00000  0.84s
   5474       0.49621       0.49755       0.99731       0.96667  0.85s
   5475       0.35155       0.34598       1.01611       1.00000  0.85s
   5476       0.35729       0.45308       0.78858       0.96667  0.85s
   5477       0.35081       0.33259       1.05479       1.00000  0.85s
   5478       0.35976       0.46581       0.77232       0.96667  0.85s
   5479       0.35665       0.38527       0.92572       1.00000  0.84s
   5480       0.39770       0.42231       0.94173       0.96667  0.86s
   5481       0.47772       0.42997       1.11105       0.96667  0.85s
   5482       0.39257       0.34489       1.13824       1.00000  0.85s
   5483       0.34066       0.45984       0.74083       0.96667  0.85s
   5484       0.38051       0.42396       0.89751       0.96667  0.85s
   5485       0.37460       0.35093       1.06744       1.00000  0.84s
   5486       0.35313       0.34684       1.01815       1.00000  0.84s
   5487       0.36685       0.34750       1.05570       1.00000  0.84s
   5488       0.35914       0.39545       0.90819       0.96667  0.84s
   5489       0.36249       0.42728       0.84837       0.96667  0.85s
   5490       0.36856       0.36590       1.00727       1.00000  0.85s
   5491       0.34050       0.32847       1.03663       1.00000  0.85s
   5492       0.37251       0.33583       1.10923       1.00000  0.85s
   5493       0.37775       0.36375       1.03851       1.00000  0.85s
   5494       0.37184       0.40354       0.92145       0.96667  0.85s
   5495       0.36008       0.36741       0.98005       1.00000  0.85s
   5496       0.33915       0.37808       0.89704       0.96667  0.85s
   5497       0.35143       0.38635       0.90961       1.00000  0.85s
   5498       0.34392       0.32934       1.04428       1.00000  0.85s
   5499       0.42089       0.35302       1.19228       1.00000  0.86s
   5500       0.34330       0.33946       1.01130       1.00000  0.85s
Regularization term: 0.325068861246
2016-07-02 17:20:24,110 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:20:30,572 - root - INFO - Duration of validation: 0:00:06
   5501       0.38937       0.37063       1.05057       0.96667  0.85s
   5502       0.35690       0.35207       1.01372       1.00000  0.85s
   5503       0.34000       0.39250       0.86625       0.96667  0.83s
   5504       0.35513       0.34805       1.02035       1.00000  0.86s
   5505       0.41343       0.34732       1.19035       1.00000  0.85s
   5506       0.36391       0.35520       1.02451       1.00000  0.84s
   5507       0.41560       0.34910       1.19049       1.00000  0.84s
   5508       0.38363       0.35078       1.09365       1.00000  0.85s
   5509       0.36851       0.32773       1.12445       1.00000  0.84s
   5510       0.38098       0.48431       0.78665       0.90000  0.85s
   5511       0.37678       0.37647       1.00081       0.96667  0.85s
   5512       0.37705       0.35438       1.06399       1.00000  0.85s
   5513       0.39192       0.34032       1.15163       1.00000  0.84s
   5514       0.39830       0.32920       1.20989       1.00000  0.85s
   5515       0.34583       0.35343       0.97850       1.00000  0.85s
   5516       0.41543       0.38732       1.07256       0.96667  0.85s
   5517       0.34165       0.33587       1.01718       1.00000  0.85s
   5518       0.40836       0.37546       1.08762       0.96667  0.85s
   5519       0.35854       0.38151       0.93978       1.00000  0.84s
   5520       0.36821       0.33599       1.09591       1.00000  0.85s
   5521       0.35813       0.43219       0.82865       0.96667  0.84s
   5522       0.33718       0.34501       0.97732       1.00000  0.85s
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5523	0.43827	0.33733	1.29924	1.00000	0.85s
5524	0.34343	0.34611	0.99228	1.00000	0.85s
5525	0.33834	0.34482	0.98119	1.00000	0.85s
5526	0.35402	0.39073	0.90606	1.00000	0.85s
5527	0.38712	0.41638	0.92971	0.96667	0.84s
5528	0.37981	0.36353	1.04480	1.00000	0.85s
5529	0.45789	0.36179	1.26563	1.00000	0.85s
5530	0.37124	0.36574	1.01506	1.00000	0.85s
5531	0.39277	0.34440	1.14045	1.00000	0.86s
5532	0.34765	0.37883	0.91769	0.96667	0.85s
5533	0.35690	0.37312	0.95652	1.00000	0.85s
5534	0.40084	0.42369	0.94608	0.96667	0.84s
5535	0.40242	0.35130	1.14554	1.00000	0.84s
5536	0.38645	0.36385	1.06211	1.00000	0.86s
5537	0.43681	0.34566	1.26368	1.00000	0.85s
5538	0.35436	0.34559	1.02539	1.00000	0.84s
5539	0.36047	0.37348	0.96517	1.00000	0.85s
5540	0.35282	0.36102	0.97729	1.00000	0.84s
5541	0.35738	0.38719	0.92302	1.00000	0.85s
5542	0.34440	0.37408	0.92066	1.00000	0.85s
5543	0.35857	0.38472	0.93204	1.00000	0.85s
5544	0.37972	0.33685	1.12726	1.00000	0.85s
5545	0.34529	0.41823	0.82560	0.96667	0.85s
5546	0.40562	0.35243	1.15092	1.00000	0.85s
5547	0.37219	0.33906	1.09771	1.00000	0.86s
5548	0.39376	0.37992	1.03643	0.96667	0.85s
5549	0.36555	0.43508	0.84018	0.96667	0.84s
5550	0.36886	0.38200	0.96560	0.96667	0.84s
5551	0.35436	0.33713	1.05111	1.00000	0.84s
5552	0.36361	0.37230	0.97668	1.00000	0.86s
5553	0.37397	0.39270	0.95230	1.00000	0.86s
5554	0.35993	0.43873	0.82040	0.96667	0.85s
5555	0.34488	0.38643	0.89248	0.96667	0.84s
5556	0.37176	0.33135	1.12195	1.00000	0.85s
5557	0.35454	0.35645	0.99463	1.00000	0.84s
5558	0.36810	0.34698	1.06089	1.00000	0.84s
5559	0.33584	0.36950	0.90889	0.96667	0.85s
5560	0.37025	0.33061	1.11990	1.00000	0.85s
5561	0.35584	0.34295	1.03758	1.00000	0.85s
5562	0.44817	0.34073	1.31534	1.00000	0.85s
5563	0.40970	0.35908	1.14095	1.00000	0.84s
5564	0.38551	0.37509	1.02777	1.00000	0.85s
5565	0.34274	0.38334	0.89409	0.96667	0.85s
5566	0.41180	0.33829	1.21728	1.00000	0.85s
5567	0.34263	0.34744	0.98616	1.00000	0.84s
5568	0.34784	0.33739	1.03097	1.00000	0.85s
5569	0.37357	0.35031	1.06641	1.00000	0.85s
5570	0.36427	0.33156	1.09866	1.00000	0.86s
5571	0.35245	0.35490	0.99311	1.00000	0.85s
5572	0.35399	0.37056	0.95529	1.00000	0.85s
5573	0.34826	0.34064	1.02236	1.00000	0.85s
5574	0.36888	0.33988	1.08533	1.00000	0.85s
5575	0.36211	0.34684	1.04404	1.00000	0.85s
5576	0.34785	0.34196	1.01723	1.00000	0.85s

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   5577       0.36001       0.33601       1.07143       1.00000  0.85s
   5578       0.33823       0.32501       1.04067       1.00000  0.86s
   5579       0.34626       0.34585       1.00119       1.00000  0.85s
   5580       0.36793       0.33811       1.08819       1.00000  0.86s
   5581       0.33679       0.35969       0.93635       1.00000  0.84s
   5582       0.33233       0.33678       0.98679       1.00000  0.86s
   5583       0.37392       0.34971       1.06921       1.00000  0.85s
   5584       0.34593       0.42517       0.81362       0.96667  0.84s
   5585       0.37499       0.34758       1.07886       1.00000  0.84s
   5586       0.33985       0.34165       0.99472       1.00000  0.85s
   5587       0.42683       0.34153       1.24974       1.00000  0.85s
   5588       0.35213       0.33231       1.05964       1.00000  0.85s
   5589       0.35161       0.36078       0.97460       1.00000  0.85s
   5590       0.34627       0.35908       0.96431       0.96667  0.84s
   5591       0.44226       0.34017       1.30013       1.00000  0.85s
   5592       0.35939       0.38832       0.92551       0.96667  0.85s
   5593       0.35051       0.36630       0.95691       1.00000  0.86s
   5594       0.35398       0.35409       0.99970       1.00000  0.85s
   5595       0.38207       0.52817       0.72338       0.93333  0.84s
   5596       0.35129       0.33151       1.05966       1.00000  0.85s
   5597       0.38836       0.39446       0.98455       1.00000  0.86s
   5598       0.33432       0.34293       0.97489       1.00000  0.85s
   5599       0.35272       0.35769       0.98609       1.00000  0.85s
   5600       0.34594       0.33142       1.04381       1.00000  0.85s
Regularization term: 0.321663349867
2016-07-02 17:22:03,911 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:22:09,590 - root - INFO - Duration of validation: 0:00:05
   5601       0.41103       0.37458       1.09730       0.96667  0.87s
   5602       0.33759       0.33572       1.00558       1.00000  0.84s
   5603       0.36606       0.32430       1.12878       1.00000  0.85s
   5604       0.35644       0.57141       0.62379       0.96667  0.85s
   5605       0.37047       0.33404       1.10908       1.00000  0.85s
   5606       0.39690       0.37335       1.06307       0.96667  0.85s
   5607       0.34418       0.36064       0.95435       1.00000  0.84s
   5608       0.39434       0.33614       1.17315       1.00000  0.85s
   5609       0.34893       0.38259       0.91202       1.00000  0.85s
   5610       0.37032       0.32964       1.12341       1.00000  0.84s
   5611       0.36678       0.46765       0.78431       0.93333  0.84s
   5612       0.36538       0.37022       0.98692       0.96667  0.85s
   5613       0.35290       0.46060       0.76617       0.96667  0.84s
   5614       0.34032       0.33943       1.00264       1.00000  0.84s
   5615       0.47245       0.33674       1.40301       1.00000  0.85s
   5616       0.35412       0.36649       0.96623       1.00000  0.85s
   5617       0.36182       0.40388       0.89585       0.96667  0.85s
   5618       0.35325       0.38711       0.91253       0.96667  0.85s
   5619       0.40695       0.43219       0.94159       0.96667  0.84s
   5620       0.46948       0.57159       0.82136       0.93333  0.85s
   5621       0.35538       0.36539       0.97261       1.00000  0.85s
   5622       0.37473       0.45207       0.82891       0.96667  0.84s
   5623       0.33519       0.39118       0.85686       1.00000  0.85s
   5624       0.33652       0.34539       0.97434       1.00000  0.85s
   5625       0.38699       0.36931       1.04788       1.00000  0.85s
   5626       0.38424       0.47321       0.81197       0.96667  0.84s
   5627       0.42250       0.40557       1.04175       0.96667  0.84s
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5628	0.33009	0.41998	0.78596	0.96667	0.85s
5629	0.33515	0.38244	0.87635	1.00000	0.85s
5630	0.35911	0.43122	0.83277	1.00000	0.85s
5631	0.35803	0.48650	0.73593	0.93333	0.84s
5632	0.36415	0.39769	0.91567	0.96667	0.85s
5633	0.34391	0.33906	1.01428	1.00000	0.84s
5634	0.35249	0.43856	0.80376	0.96667	0.85s
5635	0.38130	0.39602	0.96283	1.00000	0.85s
5636	0.34687	0.34504	1.00532	1.00000	0.84s
5637	0.35572	0.36255	0.98116	1.00000	0.85s
5638	0.33030	0.41486	0.79616	0.96667	0.84s
5639	0.34723	0.49623	0.69974	0.93333	0.86s
5640	0.34614	0.41841	0.82728	0.96667	0.86s
5641	0.34731	0.57553	0.60345	0.86667	0.85s
5642	0.45685	0.34346	1.33017	1.00000	0.85s
5643	0.35614	0.38555	0.92374	0.96667	0.84s
5644	0.35071	0.39698	0.88343	1.00000	0.86s
5645	0.35039	0.51843	0.67588	0.96667	0.85s
5646	0.43518	0.50809	0.85649	0.96667	0.85s
5647	0.39146	0.34243	1.14317	1.00000	0.84s
5648	0.38475	0.33872	1.13590	1.00000	0.85s
5649	0.36676	0.33843	1.08371	1.00000	0.85s
5650	0.37870	0.33849	1.11879	1.00000	0.85s
5651	0.35799	0.33224	1.07750	1.00000	0.85s
5652	0.34514	0.35891	0.96164	1.00000	0.84s
5653	0.35590	0.36790	0.96737	0.96667	0.84s
5654	0.36922	0.33876	1.08994	1.00000	0.85s
5655	0.34685	0.36022	0.96289	0.96667	0.84s
5656	0.34976	0.45276	0.77252	0.96667	0.85s
5657	0.35960	0.37117	0.96882	0.96667	0.85s
5658	0.36817	0.38165	0.96467	0.96667	0.84s
5659	0.38756	0.36067	1.07454	0.96667	0.85s
5660	0.35464	0.35421	1.00122	1.00000	0.85s
5661	0.39849	0.35510	1.12219	1.00000	0.85s
5662	0.34304	0.34949	0.98154	1.00000	0.85s
5663	0.33503	0.37472	0.89409	1.00000	0.85s
5664	0.33769	0.37164	0.90865	1.00000	0.86s
5665	0.35116	0.34592	1.01514	1.00000	0.85s
5666	0.34030	0.35154	0.96803	1.00000	0.85s
5667	0.35455	0.38952	0.91021	0.96667	0.86s
5668	0.34614	0.52652	0.65741	0.90000	0.85s
5669	0.42337	0.35020	1.20893	1.00000	0.84s
5670	0.36388	0.36837	0.98781	1.00000	0.84s
5671	0.33957	0.35828	0.94778	1.00000	0.85s
5672	0.34332	0.33781	1.01630	1.00000	0.85s
5673	0.36400	0.34391	1.05843	1.00000	0.85s
5674	0.37564	0.37341	1.00598	1.00000	0.86s
5675	0.36344	0.35374	1.02741	1.00000	0.85s
5676	0.37764	0.58670	0.64367	0.86667	0.85s
5677	0.42883	0.36888	1.16254	1.00000	0.84s
5678	0.40945	0.34024	1.20339	1.00000	0.85s
5679	0.40865	0.37274	1.09633	1.00000	0.84s
5680	0.39612	0.35376	1.11976	1.00000	0.85s
5681	0.35799	0.42926	0.83396	0.96667	0.85s

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   5682       0.36301       0.37813       0.96001       0.96667  0.85s
   5683       0.33578       0.41508       0.80894       0.93333  0.86s
   5684       0.38265       0.35826       1.06808       1.00000  0.84s
   5685       0.36675       0.45399       0.80784       0.96667  0.85s
   5686       0.34959       0.57450       0.60852       0.96667  0.85s
   5687       0.39848       0.39193       1.01672       0.96667  0.84s
   5688       0.34636       0.33237       1.04208       1.00000  0.85s
   5689       0.34953       0.35021       0.99805       1.00000  0.85s
   5690       0.34185       0.34745       0.98390       1.00000  0.84s
   5691       0.37506       0.32645       1.14891       1.00000  0.86s
   5692       0.36346       0.34096       1.06598       1.00000  0.86s
   5693       0.36726       0.35343       1.03915       1.00000  0.85s
   5694       0.34077       0.36222       0.94078       1.00000  0.85s
   5695       0.34700       0.36039       0.96285       1.00000  0.85s
   5696       0.38444       0.48616       0.79077       0.93333  0.85s
   5697       0.32948       0.33910       0.97164       1.00000  0.85s
   5698       0.35781       0.34739       1.03000       1.00000  0.85s
   5699       0.33393       0.34109       0.97900       1.00000  0.85s
   5700       0.36272       0.33907       1.06976       1.00000  0.85s
Regularization term: 0.319419801235
2016-07-02 17:23:42,947 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:23:48,024 - root - INFO - Duration of validation: 0:00:05
   5701       0.40388       0.33469       1.20674       1.00000  0.85s
   5702       0.34951       0.44086       0.79279       0.96667  0.85s
   5703       0.40755       0.34480       1.18198       1.00000  0.84s
   5704       0.34304       0.34990       0.98038       1.00000  0.86s
   5705       0.34152       0.33618       1.01588       1.00000  0.85s
   5706       0.33032       0.35783       0.92310       0.96667  0.84s
   5707       0.39024       0.33961       1.14909       1.00000  0.84s
   5708       0.40806       0.38185       1.06864       0.96667  0.85s
   5709       0.41122       0.34048       1.20777       1.00000  0.85s
   5710       0.35275       0.33250       1.06089       1.00000  0.84s
   5711       0.36775       0.37561       0.97908       1.00000  0.85s
   5712       0.37006       0.37750       0.98029       1.00000  0.85s
   5713       0.35516       0.32848       1.08121       1.00000  0.86s
   5714       0.40874       0.35157       1.16261       1.00000  0.84s
   5715       0.40394       0.34629       1.16650       1.00000  0.85s
   5716       0.39808       0.36843       1.08049       1.00000  0.84s
   5717       0.35282       0.39992       0.88224       0.93333  0.85s
   5718       0.33606       0.35691       0.94160       1.00000  0.85s
   5719       0.35778       0.33362       1.07242       1.00000  0.85s
   5720       0.34803       0.35079       0.99215       1.00000  0.85s
   5721       0.34684       0.34139       1.01597       1.00000  0.85s
   5722       0.35730       0.34666       1.03069       1.00000  0.85s
   5723       0.34115       0.36432       0.93639       1.00000  0.85s
   5724       0.33762       0.36825       0.91682       0.96667  0.84s
   5725       0.37640       0.34768       1.08262       1.00000  0.85s
   5726       0.33509       0.37454       0.89467       0.96667  0.85s
   5727       0.33395       0.35472       0.94146       1.00000  0.85s
   5728       0.40947       0.37544       1.09064       0.96667  0.85s
   5729       0.35823       0.34881       1.02701       1.00000  0.85s
   5730       0.38443       0.36177       1.06263       1.00000  0.86s
   5731       0.34675       0.45332       0.76492       0.93333  0.85s
   5732       0.43112       0.33115       1.30187       1.00000  0.85s
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5733	0.40924	0.39649	1.03215	0.96667	0.85s
5734	0.33778	0.32720	1.03236	1.00000	0.84s
5735	0.36360	0.41760	0.87067	0.96667	0.84s
5736	0.36390	0.35723	1.01868	1.00000	0.84s
5737	0.34553	0.33080	1.04452	1.00000	0.85s
5738	0.34022	0.32228	1.05566	1.00000	0.85s
5739	0.35312	0.38649	0.91368	0.96667	0.84s
5740	0.33815	0.33435	1.01137	1.00000	0.84s
5741	0.36706	0.52992	0.69267	0.96667	0.85s
5742	0.38837	0.40338	0.96279	0.93333	0.85s
5743	0.34167	0.52318	0.65307	0.93333	0.85s
5744	0.40047	0.34074	1.17528	1.00000	0.86s
5745	0.37703	0.32540	1.15866	1.00000	0.86s
5746	0.36203	0.34308	1.05522	1.00000	0.85s
5747	0.37803	0.38370	0.98524	0.96667	0.86s
5748	0.33258	0.36630	0.90795	1.00000	0.85s
5749	0.33800	0.32601	1.03677	1.00000	0.85s
5750	0.34702	0.32804	1.05784	1.00000	0.84s
5751	0.35948	0.32848	1.09435	1.00000	0.86s
5752	0.42378	0.34654	1.22290	1.00000	0.85s
5753	0.34821	0.32670	1.06583	1.00000	0.85s
5754	0.36571	0.36405	1.00457	1.00000	0.85s
5755	0.38682	0.32609	1.18624	1.00000	0.85s
5756	0.36818	0.33233	1.10788	1.00000	0.85s
5757	0.46516	0.37252	1.24866	0.96667	0.84s
5758	0.33734	0.33608	1.00376	1.00000	0.85s
5759	0.33606	0.37409	0.89833	0.96667	0.86s
5760	0.41630	0.33840	1.23019	1.00000	0.84s
5761	0.36434	0.32674	1.11508	1.00000	0.85s
5762	0.34992	0.36997	0.94582	1.00000	0.84s
5763	0.34870	0.38087	0.91554	0.96667	0.84s
5764	0.33088	0.34345	0.96341	1.00000	0.85s
5765	0.34706	0.32335	1.07332	1.00000	0.84s
5766	0.34757	0.33481	1.03810	1.00000	0.85s
5767	0.42658	0.33845	1.26040	1.00000	0.84s
5768	0.33904	0.34301	0.98843	1.00000	0.85s
5769	0.37237	0.42918	0.86764	0.96667	0.86s
5770	0.33156	0.44512	0.74489	0.96667	0.86s
5771	0.36975	0.33349	1.10874	1.00000	0.86s
5772	0.33337	0.32498	1.02580	1.00000	0.85s
5773	0.36105	0.40620	0.88885	0.96667	0.86s
5774	0.43419	0.36493	1.18977	1.00000	0.85s
5775	0.34679	0.32765	1.05839	1.00000	0.85s
5776	0.36813	0.32810	1.12202	1.00000	0.85s
5777	0.38894	0.33055	1.17664	1.00000	0.84s
5778	0.34188	0.34696	0.98537	1.00000	0.84s
5779	0.34742	0.36008	0.96486	1.00000	0.85s
5780	0.34513	0.41554	0.83056	0.96667	0.85s
5781	0.37701	0.34902	1.08020	1.00000	0.86s
5782	0.35537	0.34922	1.01762	1.00000	0.85s
5783	0.40731	0.40614	1.00288	0.93333	0.85s
5784	0.34962	0.40437	0.86461	1.00000	0.85s
5785	0.33949	0.34759	0.97669	1.00000	0.85s
5786	0.33965	0.39636	0.85692	0.96667	0.84s

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   5787       0.36966       0.41233       0.89652       1.00000  0.85s
   5788       0.34409       0.35913       0.95814       1.00000  0.86s
   5789       0.36149       0.33076       1.09293       1.00000  0.86s
   5790       0.32650       0.34493       0.94659       1.00000  0.84s
   5791       0.45325       0.33576       1.34991       1.00000  0.84s
   5792       0.35198       0.38976       0.90309       0.96667  0.86s
   5793       0.44032       0.32932       1.33706       1.00000  0.84s
   5794       0.36216       0.35565       1.01832       1.00000  0.85s
   5795       0.33538       0.36023       0.93103       1.00000  0.85s
   5796       0.36261       0.46843       0.77411       0.96667  0.86s
   5797       0.33929       0.35774       0.94843       1.00000  0.85s
   5798       0.33752       0.43432       0.77712       0.96667  0.86s
   5799       0.34614       0.32913       1.05169       1.00000  0.85s
   5800       0.38601       0.47303       0.81602       0.93333  0.86s
Regularization term: 0.316374450922
2016-07-02 17:25:20,345 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:25:26,126 - root - INFO - Duration of validation: 0:00:05
   5801       0.36082       0.38547       0.93607       0.96667  0.86s
   5802       0.35770       0.33557       1.06594       1.00000  0.86s
   5803       0.34265       0.34458       0.99440       1.00000  0.84s
   5804       0.34338       0.36042       0.95272       1.00000  0.86s
   5805       0.36714       0.40090       0.91580       0.96667  0.85s
   5806       0.39818       0.32332       1.23153       1.00000  0.86s
   5807       0.33144       0.39891       0.83086       0.96667  0.84s
   5808       0.34934       0.41586       0.84003       0.96667  0.85s
   5809       0.33812       0.46356       0.72940       0.93333  0.85s
   5810       0.38264       0.35244       1.08570       1.00000  0.85s
   5811       0.47513       0.33936       1.40007       1.00000  0.85s
   5812       0.40009       0.52464       0.76260       0.93333  0.85s
   5813       0.36387       0.35372       1.02868       0.96667  0.84s
   5814       0.34545       0.36641       0.94282       1.00000  0.84s
   5815       0.48985       0.36614       1.33787       0.96667  0.84s
   5816       0.36871       0.38763       0.95119       0.96667  0.85s
   5817       0.39014       0.32706       1.19288       1.00000  0.85s
   5818       0.35059       0.36305       0.96568       1.00000  0.85s
   5819       0.38028       0.34228       1.11102       1.00000  0.85s
   5820       0.35178       0.53961       0.65192       0.96667  0.84s
   5821       0.34736       0.34611       1.00362       1.00000  0.85s
   5822       0.38724       0.40438       0.95763       0.96667  0.84s
   5823       0.33664       0.34059       0.98841       1.00000  0.84s
   5824       0.34264       0.34241       1.00065       1.00000  0.85s
   5825       0.35424       0.34136       1.03772       1.00000  0.84s
   5826       0.34412       0.33210       1.03619       1.00000  0.85s
   5827       0.34149       0.35071       0.97371       1.00000  0.85s
   5828       0.35627       0.40594       0.87764       0.96667  0.84s
   5829       0.32720       0.35740       0.91551       0.96667  0.84s
   5830       0.38969       0.36639       1.06359       0.96667  0.85s
   5831       0.34420       0.32910       1.04586       1.00000  0.84s
   5832       0.33600       0.33652       0.99843       1.00000  0.85s
   5833       0.36087       0.45226       0.79791       0.93333  0.85s
   5834       0.38327       0.33834       1.13282       1.00000  0.83s
   5835       0.34409       0.34925       0.98523       1.00000  0.84s
   5836       0.39062       0.31996       1.22083       1.00000  0.86s
   5837       0.34873       0.33625       1.03711       1.00000  0.84s
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5838	0.34848	0.34749	1.00286	1.00000	0.83s
5839	0.34318	0.33096	1.03691	1.00000	0.84s
5840	0.33172	0.33785	0.98185	1.00000	0.85s
5841	0.34184	0.54082	0.63208	0.93333	0.84s
5842	0.33509	0.33553	0.99869	1.00000	0.84s
5843	0.36752	0.40789	0.90103	1.00000	0.84s
5844	0.38272	0.34614	1.10569	1.00000	0.84s
5845	0.39936	0.38755	1.03048	0.96667	0.85s
5846	0.36819	0.33490	1.09939	1.00000	0.84s
5847	0.35949	0.33938	1.05927	1.00000	0.85s
5848	0.33509	0.35881	0.93389	1.00000	0.84s
5849	0.32200	0.37806	0.85174	0.96667	0.85s
5850	0.35011	0.35123	0.99680	1.00000	0.84s
5851	0.34351	0.34404	0.99845	1.00000	0.85s
5852	0.33713	0.34960	0.96431	1.00000	0.83s
5853	0.36941	0.63220	0.58433	0.93333	0.85s
5854	0.32744	0.32574	1.00522	1.00000	0.84s
5855	0.32607	0.34157	0.95464	1.00000	0.84s
5856	0.33177	0.38638	0.85867	1.00000	0.84s
5857	0.33925	0.35475	0.95630	1.00000	0.84s
5858	0.35600	0.35253	1.00986	1.00000	0.85s
5859	0.39768	0.34170	1.16384	1.00000	0.84s
5860	0.32741	0.39408	0.83083	0.96667	0.84s
5861	0.35676	0.40544	0.87993	0.96667	0.84s
5862	0.37887	0.32570	1.16323	1.00000	0.85s
5863	0.36692	0.35917	1.02158	1.00000	0.85s
5864	0.41556	0.33357	1.24580	1.00000	0.84s
5865	0.32341	0.34696	0.93212	1.00000	0.84s
5866	0.34917	0.38779	0.90040	0.96667	0.84s
5867	0.39916	0.37616	1.06114	1.00000	0.84s
5868	0.40224	0.37156	1.08255	1.00000	0.84s
5869	0.37080	0.33622	1.10285	1.00000	0.83s
5870	0.38436	0.32439	1.18486	1.00000	0.84s
5871	0.38000	0.37488	1.01365	0.96667	0.84s
5872	0.37739	0.44285	0.85218	0.96667	0.85s
5873	0.33973	0.40622	0.83632	0.96667	0.85s
5874	0.33236	0.33728	0.98541	1.00000	0.85s
5875	0.34171	0.36742	0.93004	1.00000	0.84s
5876	0.33956	0.34236	0.99184	1.00000	0.84s
5877	0.34114	0.33260	1.02569	1.00000	0.85s
5878	0.34958	0.33284	1.05030	1.00000	0.85s
5879	0.37754	0.34129	1.10622	1.00000	0.84s
5880	0.32727	0.33216	0.98528	1.00000	0.85s
5881	0.32786	0.35864	0.91418	0.96667	0.85s
5882	0.40335	0.32750	1.23160	1.00000	0.85s
5883	0.33872	0.35074	0.96571	1.00000	0.85s
5884	0.34659	0.32594	1.06335	1.00000	0.84s
5885	0.34786	0.36193	0.96112	1.00000	0.85s
5886	0.34185	0.35227	0.97042	1.00000	0.84s
5887	0.42863	0.32655	1.31263	1.00000	0.85s
5888	0.33510	0.31970	1.04817	1.00000	0.85s
5889	0.39532	0.31884	1.23985	1.00000	0.85s
5890	0.33916	0.53593	0.63284	0.96667	0.84s
5891	0.34901	0.32886	1.06127	1.00000	0.84s

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   5892       0.33078       0.38411       0.86117       0.96667  0.85s
   5893       0.32680       0.34258       0.95395       1.00000  0.84s
   5894       0.33124       0.32566       1.01712       1.00000  0.84s
   5895       0.33939       0.38725       0.87642       0.96667  0.84s
   5896       0.32474       0.42306       0.76761       0.96667  0.85s
   5897       0.40794       0.35444       1.15095       1.00000  0.85s
   5898       0.33772       0.64484       0.52373       0.93333  0.84s
   5899       0.42321       0.33232       1.27350       1.00000  0.84s
   5900       0.32946       0.34277       0.96116       1.00000  0.85s
Regularization term: 0.312803924084
2016-07-02 17:26:58,024 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:27:03,783 - root - INFO - Duration of validation: 0:00:05
   5901       0.40301       0.32161       1.25310       1.00000  0.85s
   5902       0.35437       0.32206       1.10034       1.00000  0.84s
   5903       0.34250       0.39496       0.86718       0.96667  0.83s
   5904       0.33295       0.33953       0.98063       1.00000  0.84s
   5905       0.37915       0.33695       1.12526       1.00000  0.85s
   5906       0.38548       0.31985       1.20519       1.00000  0.84s
   5907       0.33258       0.34187       0.97281       1.00000  0.85s
   5908       0.36177       0.37168       0.97336       1.00000  0.85s
   5909       0.40835       0.48483       0.84225       0.96667  0.85s
   5910       0.33504       0.31960       1.04831       1.00000  0.84s
   5911       0.38474       0.33450       1.15019       1.00000  0.84s
   5912       0.38524       0.33663       1.14443       1.00000  0.85s
   5913       0.34959       0.33041       1.05806       1.00000  0.84s
   5914       0.33079       0.32810       1.00819       1.00000  0.85s
   5915       0.37385       0.33154       1.12761       1.00000  0.84s
   5916       0.34346       0.32957       1.04214       1.00000  0.85s
   5917       0.36105       0.34615       1.04302       1.00000  0.85s
   5918       0.34511       0.34019       1.01449       1.00000  0.85s
   5919       0.32713       0.36184       0.90407       1.00000  0.84s
   5920       0.33657       0.36772       0.91527       1.00000  0.86s
   5921       0.34918       0.33408       1.04521       1.00000  0.84s
   5922       0.34985       0.32656       1.07131       1.00000  0.85s
   5923       0.46392       0.33769       1.37378       1.00000  0.84s
   5924       0.38044       0.32037       1.18751       1.00000  0.84s
   5925       0.34116       0.40122       0.85029       0.96667  0.85s
   5926       0.34576       0.32133       1.07601       1.00000  0.85s
   5927       0.32915       0.35927       0.91617       1.00000  0.84s
   5928       0.38311       0.34434       1.11260       1.00000  0.84s
   5929       0.33232       0.34734       0.95678       1.00000  0.85s
   5930       0.32910       0.41967       0.78420       0.93333  0.84s
   5931       0.32993       0.43002       0.76724       0.96667  0.85s
   5932       0.34841       0.36925       0.94356       1.00000  0.85s
   5933       0.34996       0.45801       0.76408       0.96667  0.84s
   5934       0.39072       0.37999       1.02824       1.00000  0.85s
   5935       0.34994       0.34759       1.00678       1.00000  0.85s
   5936       0.35718       0.37573       0.95063       1.00000  0.85s
   5937       0.33904       0.37051       0.91506       0.96667  0.84s
   5938       0.33507       0.38032       0.88101       0.96667  0.85s
   5939       0.36313       0.36653       0.99073       1.00000  0.84s
   5940       0.37595       0.37803       0.99450       0.96667  0.85s
   5941       0.32234       0.34129       0.94448       1.00000  0.84s
   5942       0.41706       0.40391       1.03257       0.96667  0.84s
```

5943	0.44413	0.46588	0.95332	0.96667	0.85s
5944	0.33468	0.33131	1.01017	1.00000	0.85s
5945	0.33913	0.32742	1.03578	1.00000	0.84s
5946	0.32248	0.47027	0.68573	0.96667	0.85s
5947	0.42073	0.33172	1.26832	1.00000	0.84s
5948	0.43436	0.36522	1.18933	1.00000	0.84s
5949	0.36461	0.34122	1.06856	1.00000	0.84s
5950	0.36726	0.33051	1.11119	1.00000	0.84s
5951	0.32847	0.32146	1.02182	1.00000	0.84s
5952	0.38789	0.35223	1.10124	1.00000	0.84s
5953	0.33140	0.32935	1.00622	1.00000	0.85s
5954	0.34906	0.38706	0.90181	0.96667	0.84s
5955	0.33237	0.33472	0.99298	1.00000	0.85s
5956	0.36128	0.31947	1.13086	1.00000	0.84s
5957	0.35172	0.32062	1.09698	1.00000	0.85s
5958	0.35050	0.35131	0.99769	1.00000	0.85s
5959	0.36239	0.31958	1.13395	1.00000	0.85s
5960	0.34621	0.41702	0.83019	0.96667	0.85s
5961	0.33330	0.33316	1.00041	1.00000	0.84s
5962	0.35247	0.39633	0.88932	0.96667	0.84s
5963	0.40949	0.32899	1.24469	1.00000	0.85s
5964	0.33492	0.35727	0.93745	1.00000	0.84s
5965	0.33071	0.35276	0.93748	0.96667	0.84s
5966	0.35140	0.31633	1.11089	1.00000	0.85s
5967	0.34934	0.32464	1.07610	1.00000	0.84s
5968	0.33246	0.40372	0.82348	0.93333	0.84s
5969	0.43423	0.36730	1.18223	1.00000	0.84s
5970	0.37383	0.38980	0.95903	0.96667	0.85s
5971	0.36193	0.34524	1.04836	1.00000	0.84s
5972	0.36835	0.36135	1.01936	1.00000	0.84s
5973	0.40683	0.33850	1.20185	1.00000	0.85s
5974	0.33401	0.32336	1.03293	1.00000	0.85s
5975	0.41192	0.39518	1.04237	0.96667	0.84s
5976	0.33548	0.39530	0.84866	0.96667	0.84s
5977	0.33829	0.33586	1.00723	1.00000	0.84s
5978	0.36738	0.47161	0.77899	0.93333	0.85s
5979	0.33071	0.32525	1.01678	1.00000	0.84s
5980	0.33696	0.35011	0.96243	1.00000	0.84s
5981	0.32661	0.32587	1.00228	1.00000	0.84s
5982	0.34510	0.38419	0.89824	1.00000	0.84s
5983	0.39598	0.36326	1.09006	1.00000	0.84s
5984	0.41302	0.38751	1.06582	0.96667	0.84s
5985	0.34401	0.32930	1.04465	1.00000	0.83s
5986	0.35466	0.40541	0.87481	0.96667	0.85s
5987	0.40971	0.32149	1.27442	1.00000	0.84s
5988	0.33394	0.36076	0.92565	1.00000	0.85s
5989	0.34831	0.36186	0.96256	0.96667	0.85s
5990	0.35937	0.56149	0.64003	0.90000	0.83s
5991	0.34725	0.32996	1.05239	1.00000	0.84s
5992	0.32396	0.33207	0.97558	1.00000	0.84s
5993	0.35967	0.32189	1.11737	1.00000	0.86s
5994	0.33069	0.36956	0.89482	1.00000	0.84s
5995	0.33448	0.34029	0.98293	1.00000	0.85s
5996	0.33124	0.32825	1.00912	1.00000	0.84s

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   5997       0.42091       0.34675       1.21388       1.00000  0.84s
   5998       0.32424       0.47494       0.68269       0.90000  0.84s
   5999       0.38744       0.32151       1.20508       1.00000  0.85s
   6000       0.42520       0.46046       0.92343       0.96667  0.84s
Regularization term: 0.309692412615
2016-07-02 17:28:35,633 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:28:41,370 - root - INFO - Duration of validation: 0:00:05
   6001       0.35952       0.37118       0.96860       0.96667  0.85s
   6002       0.35883       0.32611       1.10031       1.00000  0.84s
   6003       0.32307       0.33671       0.95949       1.00000  0.83s
   6004       0.37425       0.33409       1.12021       1.00000  0.85s
   6005       0.35505       0.32700       1.08579       1.00000  0.85s
   6006       0.35677       0.36563       0.97577       1.00000  0.84s
   6007       0.34965       0.32183       1.08645       1.00000  0.84s
   6008       0.38584       0.35083       1.09977       1.00000  0.83s
   6009       0.33361       0.36756       0.90762       0.96667  0.85s
   6010       0.32473       0.33732       0.96267       1.00000  0.85s
   6011       0.33313       0.40787       0.81677       1.00000  0.84s
   6012       0.32682       0.32592       1.00277       1.00000  0.84s
   6013       0.34688       0.32895       1.05449       1.00000  0.85s
   6014       0.35087       0.45347       0.77375       0.93333  0.83s
   6015       0.33645       0.34233       0.98281       1.00000  0.84s
   6016       0.34543       0.33124       1.04283       1.00000  0.84s
   6017       0.32398       0.35765       0.90587       1.00000  0.85s
   6018       0.37436       0.31883       1.17416       1.00000  0.84s
   6019       0.39596       0.34785       1.13831       1.00000  0.83s
   6020       0.32312       0.32022       1.00907       1.00000  0.84s
   6021       0.33707       0.33136       1.01723       1.00000  0.84s
   6022       0.32585       0.32429       1.00479       1.00000  0.85s
   6023       0.34787       0.32792       1.06086       1.00000  0.84s
   6024       0.34225       0.32608       1.04957       1.00000  0.85s
   6025       0.38623       0.32139       1.20175       1.00000  0.84s
   6026       0.34119       0.33696       1.01255       1.00000  0.84s
   6027       0.35342       0.33323       1.06056       1.00000  0.84s
   6028       0.45276       0.32080       1.41133       1.00000  0.85s
   6029       0.32573       0.31765       1.02543       1.00000  0.84s
   6030       0.32796       0.34489       0.95090       1.00000  0.84s
   6031       0.34324       0.32298       1.06272       1.00000  0.84s
   6032       0.36920       0.45653       0.80871       0.96667  0.84s
   6033       0.46366       0.36120       1.28366       0.96667  0.84s
   6034       0.37746       0.41965       0.89948       0.93333  0.85s
   6035       0.40155       0.32493       1.23580       1.00000  0.85s
   6036       0.33162       0.37245       0.89039       0.96667  0.84s
   6037       0.33669       0.33256       1.01242       1.00000  0.85s
   6038       0.37392       0.31728       1.17854       1.00000  0.85s
   6039       0.35050       0.33892       1.03418       1.00000  0.84s
   6040       0.32896       0.32719       1.00542       1.00000  0.84s
   6041       0.46363       0.37072       1.25061       1.00000  0.84s
   6042       0.42225       0.34433       1.22631       1.00000  0.84s
   6043       0.33092       0.33680       0.98254       1.00000  0.85s
   6044       0.39387       0.31539       1.24881       1.00000  0.85s
   6045       0.34918       0.33902       1.02996       1.00000  0.84s
   6046       0.33968       0.31639       1.07362       1.00000  0.83s
   6047       0.55430       0.32951       1.68220       1.00000  0.84s
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6048	0.32220	0.33006	0.97620	1.00000	0.85s
6049	0.31720	0.32788	0.96744	1.00000	0.85s
6050	0.32555	0.32795	0.99270	1.00000	0.84s
6051	0.32971	0.34600	0.95292	1.00000	0.84s
6052	0.42778	0.31444	1.36044	1.00000	0.85s
6053	0.33514	0.33169	1.01041	1.00000	0.84s
6054	0.34063	0.36844	0.92452	0.96667	0.85s
6055	0.33972	0.35647	0.95301	1.00000	0.84s
6056	0.35723	0.38861	0.91926	0.96667	0.84s
6057	0.36642	0.37668	0.97279	0.96667	0.84s
6058	0.39933	0.34084	1.17160	1.00000	0.84s
6059	0.34163	0.32026	1.06670	1.00000	0.84s
6060	0.33231	0.36350	0.91419	0.96667	0.85s
6061	0.32320	0.37865	0.85357	0.96667	0.85s
6062	0.36122	0.32129	1.12430	1.00000	0.84s
6063	0.34107	0.31603	1.07921	1.00000	0.84s
6064	0.33850	0.34874	0.97064	1.00000	0.84s
6065	0.36043	0.37980	0.94901	0.96667	0.84s
6066	0.33883	0.32457	1.04392	1.00000	0.85s
6067	0.34644	0.31517	1.09922	1.00000	0.84s
6068	0.34034	0.31547	1.07884	1.00000	0.86s
6069	0.39523	0.33284	1.18744	1.00000	0.85s
6070	0.36345	0.32659	1.11286	1.00000	0.84s
6071	0.33439	0.33175	1.00796	1.00000	0.85s
6072	0.41891	0.34077	1.22931	1.00000	0.86s
6073	0.41560	0.44258	0.93903	0.96667	0.84s
6074	0.32776	0.32068	1.02208	1.00000	0.85s
6075	0.33459	0.38623	0.86628	0.96667	0.85s
6076	0.45022	0.33702	1.33588	1.00000	0.84s
6077	0.32469	0.32861	0.98807	1.00000	0.84s
6078	0.34501	0.31252	1.10396	1.00000	0.85s
6079	0.38188	0.32939	1.15935	1.00000	0.85s
6080	0.36841	0.38263	0.96284	0.96667	0.85s
6081	0.37395	0.36436	1.02630	0.96667	0.85s
6082	0.33096	0.32810	1.00870	1.00000	0.85s
6083	0.38751	0.36549	1.06026	1.00000	0.85s
6084	0.39559	0.39355	1.00519	0.96667	0.85s
6085	0.32722	0.43215	0.75719	0.96667	0.84s
6086	0.39249	0.33514	1.17115	1.00000	0.84s
6087	0.39177	0.31628	1.23870	1.00000	0.85s
6088	0.32966	0.37296	0.88390	1.00000	0.85s
6089	0.34762	0.56560	0.61460	0.93333	0.85s
6090	0.34886	0.48663	0.71690	0.93333	0.83s
6091	0.36878	0.36862	1.00041	0.96667	0.85s
6092	0.38138	0.31293	1.21873	1.00000	0.84s
6093	0.33456	0.33299	1.00472	1.00000	0.85s
6094	0.36779	0.43513	0.84525	0.93333	0.84s
6095	0.32236	0.32465	0.99295	1.00000	0.85s
6096	0.39281	0.38834	1.01152	0.96667	0.84s
6097	0.35117	0.38551	0.91091	0.96667	0.84s
6098	0.35841	0.32016	1.11944	1.00000	0.84s
6099	0.36834	0.39551	0.93130	0.96667	0.84s
6100	0.34598	0.37191	0.93028	1.00000	0.85s

Regularization term: 0.306762546301

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2016-07-02 17:30:14,228 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 17:30:19,991 - root - INFO - Duration of validation: 0:00:05
   6101       0.37144       0.31358      1.18452      1.00000  0.84s
   6102       0.34653       0.31194      1.11088      1.00000  0.84s
   6103       0.33129       0.31398      1.05511      1.00000  0.84s
   6104       0.31895       0.34692      0.91937      1.00000  0.84s
   6105       0.38159       0.33943      1.12423      1.00000  0.84s
   6106       0.32158       0.34044      0.94460      1.00000  0.84s
   6107       0.34034       0.36967      0.92064      1.00000  0.84s
   6108       0.32767       0.32043      1.02257      1.00000  0.85s
   6109       0.32779       0.43063      0.76120      0.96667  0.84s
   6110       0.36077       0.44799      0.80531      0.93333  0.84s
   6111       0.33312       0.32578      1.02254      1.00000  0.84s
   6112       0.33504       0.31520      1.06294      1.00000  0.85s
   6113       0.33910       0.32760      1.03509      1.00000  0.84s
   6114       0.33912       0.34963      0.96994      1.00000  0.84s
   6115       0.33415       0.31923      1.04677      1.00000  0.84s
   6116       0.37953       0.30949      1.22630      1.00000  0.84s
   6117       0.35630       0.46764      0.76191      0.96667  0.84s
   6118       0.37621       0.35367      1.06373      1.00000  0.85s
   6119       0.33831       0.48278      0.70075      0.93333  0.84s
   6120       0.43866       0.40044      1.09546      0.96667  0.84s
   6121       0.34200       0.31340      1.09125      1.00000  0.85s
   6122       0.50374       0.45589      1.10496      0.96667  0.84s
   6123       0.36501       0.31905      1.14405      1.00000  0.85s
   6124       0.42273       0.32760      1.29038      1.00000  0.84s
   6125       0.34526       0.42809      0.80652      0.96667  0.85s
   6126       0.35328       0.32728      1.07944      1.00000  0.85s
   6127       0.40128       0.32829      1.22231      1.00000  0.83s
   6128       0.37005       0.33459      1.10598      1.00000  0.85s
   6129       0.32586       0.32010      1.01799      1.00000  0.85s
   6130       0.34915       0.31075      1.12360      1.00000  0.85s
   6131       0.35778       0.34427      1.03925      1.00000  0.83s
   6132       0.32259       0.32092      1.00521      1.00000  0.84s
   6133       0.32522       0.34511      0.94235      1.00000  0.84s
   6134       0.33876       0.40202      0.84264      0.96667  0.84s
   6135       0.36065       0.32998      1.09295      1.00000  0.85s
   6136       0.32789       0.32876      0.99737      1.00000  0.84s
   6137       0.42472       0.36151      1.17485      1.00000  0.85s
   6138       0.43194       0.33197      1.30116      1.00000  0.84s
   6139       0.33166       0.55426      0.59839      0.93333  0.83s
   6140       0.39480       0.38800      1.01754      0.96667  0.84s
   6141       0.39115       0.37019      1.05663      1.00000  0.86s
   6142       0.41691       0.33422      1.24740      1.00000  0.85s
   6143       0.37741       0.33783      1.11719      0.96667  0.84s
   6144       0.36574       0.37143      0.98466      0.96667  0.84s
   6145       0.33956       0.33606      1.01042      1.00000  0.85s
   6146       0.32501       0.34457      0.94324      1.00000  0.84s
   6147       0.38617       0.33361      1.15754      1.00000  0.84s
   6148       0.41915       0.39070      1.07280      0.96667  0.84s
   6149       0.34251       0.42292      0.80987      0.96667  0.85s
   6150       0.36100       0.32484      1.11132      1.00000  0.84s
   6151       0.32173       0.32142      1.00097      1.00000  0.84s
   6152       0.33590       0.36762      0.91370      0.96667  0.85s
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   6153       0.32575       0.32704       0.99606       1.00000  0.85s
   6154       0.32245       0.32768       0.98405       1.00000  0.84s
   6155       0.35037       0.33414       1.04858       1.00000  0.84s
   6156       0.39267       0.31653       1.24055       1.00000  0.84s
   6157       0.33559       0.31968       1.04977       1.00000  0.85s
   6158       0.36077       0.38325       0.94135       0.96667  0.84s
   6159       0.36770       0.34635       1.06163       1.00000  0.84s
   6160       0.36441       0.33959       1.07309       1.00000  0.85s
   6161       0.39319       0.31807       1.23620       1.00000  0.85s
   6162       0.32749       0.34702       0.94373       1.00000  0.84s
   6163       0.34960       0.36999       0.94490       1.00000  0.84s
   6164       0.38040       0.33230       1.14476       1.00000  0.85s
   6165       0.31900       0.40884       0.78026       0.96667  0.85s
   6166       0.32594       0.36435       0.89458       0.96667  0.84s
   6167       0.46090       0.32517       1.41743       1.00000  0.84s
   6168       0.32119       0.33840       0.94912       1.00000  0.85s
   6169       0.36135       0.32742       1.10362       1.00000  0.85s
   6170       0.32060       0.33995       0.94307       1.00000  0.84s
   6171       0.31902       0.31330       1.01826       1.00000  0.85s
   6172       0.33499       0.31576       1.06089       1.00000  0.83s
   6173       0.33351       0.31717       1.05151       1.00000  0.84s
   6174       0.32864       0.31947       1.02872       1.00000  0.85s
   6175       0.34444       0.31080       1.10823       1.00000  0.85s
   6176       0.32579       0.33096       0.98437       1.00000  0.85s
   6177       0.37090       0.39149       0.94740       0.96667  0.84s
   6178       0.32626       0.34411       0.94813       1.00000  0.83s
   6179       0.33476       0.32641       1.02558       1.00000  0.84s
   6180       0.32573       0.45075       0.72264       0.96667  0.85s
   6181       0.37407       0.32277       1.15893       1.00000  0.85s
   6182       0.34916       0.36200       0.96453       0.96667  0.84s
   6183       0.36148       0.32122       1.12534       1.00000  0.83s
   6184       0.33996       0.36695       0.92647       0.96667  0.85s
   6185       0.37007       0.37756       0.98015       1.00000  0.86s
   6186       0.32734       0.46831       0.69898       0.93333  0.84s
   6187       0.33223       0.31492       1.05498       1.00000  0.84s
   6188       0.34392       0.32498       1.05827       1.00000  0.85s
   6189       0.34649       0.38707       0.89515       0.96667  0.84s
   6190       0.36057       0.33445       1.07811       1.00000  0.84s
   6191       0.35697       0.31421       1.13609       1.00000  0.84s
   6192       0.41234       0.31613       1.30435       1.00000  0.84s
   6193       0.33361       0.31135       1.07148       1.00000  0.85s
   6194       0.32827       0.32969       0.99570       1.00000  0.85s
   6195       0.37080       0.32156       1.15313       1.00000  0.84s
   6196       0.31523       0.33377       0.94445       1.00000  0.83s
   6197       0.32212       0.34707       0.92812       1.00000  0.84s
   6198       0.35964       0.33438       1.07554       1.00000  0.84s
   6199       0.32978       0.31929       1.03286       1.00000  0.85s
   6200       0.32571       0.38944       0.83634       0.96667  0.85s
Regularization term: 0.304750412703
2016-07-02 17:31:51,812 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:31:57,966 - root - INFO - Duration of validation: 0:00:06
   6201       0.33512       0.42517       0.78820       0.96667  0.85s
   6202       0.34918       0.31843       1.09655       1.00000  0.85s
   6203       0.33525       0.31757       1.05568       1.00000  0.84s
```

6204	0.34770	0.47577	0.73082	0.96667	0.83s
6205	0.34222	0.35332	0.96859	1.00000	0.85s
6206	0.33796	0.34552	0.97814	1.00000	0.84s
6207	0.36440	0.33668	1.08234	1.00000	0.85s
6208	0.31754	0.31589	1.00522	1.00000	0.85s
6209	0.33054	0.32710	1.01050	1.00000	0.86s
6210	0.31878	0.35953	0.88665	1.00000	0.85s
6211	0.44778	0.35821	1.25002	1.00000	0.84s
6212	0.32494	0.31580	1.02894	1.00000	0.83s
6213	0.37889	0.38453	0.98533	0.96667	0.84s
6214	0.33801	0.39541	0.85484	0.96667	0.84s
6215	0.32454	0.33124	0.97978	1.00000	0.85s
6216	0.33252	0.32263	1.03064	1.00000	0.84s
6217	0.32774	0.34749	0.94317	1.00000	0.84s
6218	0.32531	0.30951	1.05102	1.00000	0.84s
6219	0.31517	0.33081	0.95273	1.00000	0.84s
6220	0.33144	0.32708	1.01335	1.00000	0.84s
6221	0.32113	0.32382	0.99171	1.00000	0.85s
6222	0.37777	0.32908	1.14796	1.00000	0.84s
6223	0.36372	0.35612	1.02135	1.00000	0.84s
6224	0.36709	0.44636	0.82241	0.96667	0.84s
6225	0.33801	0.48053	0.70340	0.93333	0.85s
6226	0.36036	0.39893	0.90331	0.96667	0.85s
6227	0.31587	0.31467	1.00381	1.00000	0.85s
6228	0.35009	0.32995	1.06102	1.00000	0.84s
6229	0.35382	0.46123	0.76711	0.93333	0.85s
6230	0.32896	0.31070	1.05879	1.00000	0.84s
6231	0.33539	0.32619	1.02820	1.00000	0.84s
6232	0.32773	0.31778	1.03130	1.00000	0.84s
6233	0.39765	0.33054	1.20301	1.00000	0.84s
6234	0.33275	0.43838	0.75905	0.96667	0.85s
6235	0.34064	0.31669	1.07562	1.00000	0.84s
6236	0.38079	0.35339	1.07751	1.00000	0.86s
6237	0.34024	0.35475	0.95911	1.00000	0.85s
6238	0.33035	0.31853	1.03710	1.00000	0.85s
6239	0.32105	0.34355	0.93450	0.96667	0.84s
6240	0.32569	0.31675	1.02825	1.00000	0.85s
6241	0.36960	0.32088	1.15181	1.00000	0.84s
6242	0.33645	0.37437	0.89870	0.93333	0.85s
6243	0.32659	0.32502	1.00485	1.00000	0.83s
6244	0.34137	0.31796	1.07362	1.00000	0.85s
6245	0.33893	0.38360	0.88354	0.96667	0.85s
6246	0.32395	0.40673	0.79649	0.96667	0.84s
6247	0.34663	0.32357	1.07126	1.00000	0.84s
6248	0.31505	0.32705	0.96332	1.00000	0.84s
6249	0.31898	0.35636	0.89513	1.00000	0.85s
6250	0.33891	0.32271	1.05020	1.00000	0.84s
6251	0.33254	0.33069	1.00560	1.00000	0.85s
6252	0.33008	0.32576	1.01326	1.00000	0.85s
6253	0.32119	0.31741	1.01192	1.00000	0.84s
6254	0.31877	0.40031	0.79631	0.93333	0.84s
6255	0.32135	0.33050	0.97231	1.00000	0.84s
6256	0.31365	0.30749	1.02004	1.00000	0.85s
6257	0.35172	0.32378	1.08629	1.00000	0.85s

```
   6258       0.32845       0.31040       1.05814       1.00000  0.85s
   6259       0.36221       0.31887       1.13593       1.00000  0.84s
   6260       0.33722       0.38757       0.87008       0.96667  0.85s
   6261       0.34640       0.33406       1.03694       1.00000  0.84s
   6262       0.34301       0.41170       0.83315       0.96667  0.85s
   6263       0.32428       0.30933       1.04833       1.00000  0.85s
   6264       0.35355       0.41705       0.84775       0.96667  0.84s
   6265       0.31509       0.32207       0.97831       1.00000  0.85s
   6266       0.33859       0.31076       1.08954       1.00000  0.84s
   6267       0.31344       0.34671       0.90403       0.96667  0.84s
   6268       0.31401       0.31151       1.00803       1.00000  0.85s
   6269       0.31973       0.31578       1.01252       1.00000  0.84s
   6270       0.32756       0.35933       0.91159       1.00000  0.84s
   6271       0.33124       0.31014       1.06804       1.00000  0.84s
   6272       0.33462       0.32645       1.02505       1.00000  0.85s
   6273       0.32214       0.31479       1.02333       1.00000  0.84s
   6274       0.35308       0.31741       1.11236       1.00000  0.84s
   6275       0.32806       0.34297       0.95653       1.00000  0.85s
   6276       0.39219       0.44632       0.87873       0.96667  0.84s
   6277       0.34341       0.32612       1.05302       1.00000  0.84s
   6278       0.32240       0.30946       1.04184       1.00000  0.85s
   6279       0.31334       0.32508       0.96389       1.00000  0.85s
   6280       0.32174       0.32041       1.00413       1.00000  0.85s
   6281       0.32698       0.31112       1.05099       1.00000  0.85s
   6282       0.32146       0.30744       1.04562       1.00000  0.85s
   6283       0.31952       0.31430       1.01662       1.00000  0.85s
   6284       0.35610       0.31882       1.11691       1.00000  0.84s
   6285       0.35577       0.33130       1.07386       1.00000  0.85s
   6286       0.32722       0.32181       1.01680       1.00000  0.84s
   6287       0.36615       0.33189       1.10321       1.00000  0.85s
   6288       0.31623       0.31478       1.00462       1.00000  0.85s
   6289       0.35070       0.30685       1.14288       1.00000  0.85s
   6290       0.33602       0.30637       1.09679       1.00000  0.85s
   6291       0.30982       0.31050       0.99781       1.00000  0.84s
   6292       0.35457       0.41349       0.85749       0.96667  0.85s
   6293       0.32285       0.31011       1.04110       1.00000  0.84s
   6294       0.34393       0.33157       1.03725       1.00000  0.85s
   6295       0.32286       0.32397       0.99658       1.00000  0.85s
   6296       0.38955       0.30828       1.26361       1.00000  0.85s
   6297       0.33531       0.36748       0.91245       1.00000  0.85s
   6298       0.33493       0.32522       1.02984       1.00000  0.85s
   6299       0.32867       0.33998       0.96673       0.96667  0.84s
   6300       0.32519       0.32112       1.01268       1.00000  0.85s
Regularization term: 0.301374733448
2016-07-02 17:33:29,924 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:33:35,871 - root - INFO - Duration of validation: 0:00:05
   6301       0.32924       0.32816       1.00329       1.00000  0.85s
   6302       0.32008       0.37856       0.84552       0.96667  0.85s
   6303       0.32862       0.30932       1.06239       1.00000  0.84s
   6304       0.39673       0.31405       1.26327       1.00000  0.84s
   6305       0.32106       0.30479       1.05338       1.00000  0.85s
   6306       0.33479       0.45200       0.74069       0.93333  0.84s
   6307       0.31863       0.30668       1.03897       1.00000  0.85s
   6308       0.31847       0.32056       0.99347       1.00000  0.85s
```

6309	0.37093	0.30804	1.20414	1.00000	0.85s
6310	0.30978	0.30690	1.00936	1.00000	0.84s
6311	0.34229	0.31144	1.09905	1.00000	0.83s
6312	0.35895	0.30723	1.16833	1.00000	0.85s
6313	0.32202	0.33451	0.96265	1.00000	0.86s
6314	0.30893	0.30953	0.99806	1.00000	0.84s
6315	0.34227	0.31519	1.08594	1.00000	0.84s
6316	0.34084	0.30441	1.11968	1.00000	0.85s
6317	0.32889	0.31196	1.05425	1.00000	0.85s
6318	0.36825	0.40890	0.90058	0.96667	0.84s
6319	0.32443	0.35236	0.92072	1.00000	0.85s
6320	0.31176	0.30996	1.00581	1.00000	0.85s
6321	0.33461	0.32288	1.03633	1.00000	0.84s
6322	0.32111	0.31075	1.03335	1.00000	0.84s
6323	0.31360	0.30854	1.01640	1.00000	0.84s
6324	0.36030	0.36629	0.98366	0.96667	0.84s
6325	0.34179	0.31471	1.08606	1.00000	0.85s
6326	0.32754	0.46119	0.71020	0.90000	0.85s
6327	0.31425	0.37590	0.83601	0.96667	0.84s
6328	0.31316	0.33446	0.93632	1.00000	0.86s
6329	0.33812	0.31567	1.07114	1.00000	0.85s
6330	0.31514	0.35742	0.88172	0.96667	0.85s
6331	0.35622	0.31765	1.12145	1.00000	0.85s
6332	0.31553	0.32081	0.98355	1.00000	0.84s
6333	0.31830	0.37519	0.84839	0.96667	0.84s
6334	0.32461	0.31444	1.03235	1.00000	0.84s
6335	0.32180	0.33294	0.96653	1.00000	0.84s
6336	0.31650	0.32500	0.97386	1.00000	0.84s
6337	0.32356	0.32440	0.99740	1.00000	0.86s
6338	0.31793	0.37027	0.85864	0.96667	0.84s
6339	0.32983	0.31368	1.05148	1.00000	0.84s
6340	0.32702	0.35043	0.93321	0.96667	0.85s
6341	0.33912	0.31680	1.07044	1.00000	0.83s
6342	0.35006	0.31118	1.12493	1.00000	0.85s
6343	0.30677	0.30948	0.99126	1.00000	0.83s
6344	0.32608	0.40065	0.81389	0.96667	0.84s
6345	0.35223	0.31483	1.11877	1.00000	0.85s
6346	0.32338	0.41124	0.78634	0.96667	0.85s
6347	0.36254	0.34288	1.05734	0.96667	0.84s
6348	0.32866	0.38985	0.84305	0.96667	0.84s
6349	0.36256	0.33240	1.09071	1.00000	0.84s
6350	0.34007	0.33050	1.02896	1.00000	0.85s
6351	0.41927	0.30772	1.36249	1.00000	0.84s
6352	0.31118	0.30773	1.01122	1.00000	0.85s
6353	0.30851	0.30871	0.99935	1.00000	0.85s
6354	0.36767	0.34669	1.06052	0.96667	0.85s
6355	0.31680	0.35345	0.89631	0.96667	0.84s
6356	0.39614	0.38784	1.02138	0.96667	0.85s
6357	0.36297	0.34872	1.04088	1.00000	0.84s
6358	0.30646	0.36162	0.84745	0.96667	0.84s
6359	0.31545	0.36982	0.85299	0.96667	0.84s
6360	0.33197	0.34179	0.97129	1.00000	0.84s
6361	0.34092	0.32196	1.05889	1.00000	0.85s
6362	0.36348	0.32197	1.12894	1.00000	0.84s

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   6363       0.33463       0.39073       0.85644       0.96667  0.84s
   6364       0.30998       0.30644       1.01154       1.00000  0.85s
   6365       0.32346       0.33905       0.95401       0.96667  0.84s
   6366       0.30468       0.35555       0.85693       1.00000  0.84s
   6367       0.42259       0.44711       0.94516       0.96667  0.84s
   6368       0.44238       0.34139       1.29582       1.00000  0.86s
   6369       0.31945       0.44362       0.72009       0.93333  0.85s
   6370       0.33364       0.42707       0.78124       0.96667  0.85s
   6371       0.31090       0.32845       0.94657       1.00000  0.84s
   6372       0.31244       0.40852       0.76479       0.96667  0.84s
   6373       0.31816       0.31324       1.01568       1.00000  0.86s
   6374       0.32904       0.32057       1.02643       1.00000  0.83s
   6375       0.31098       0.30980       1.00379       1.00000  0.84s
   6376       0.31929       0.33183       0.96222       1.00000  0.84s
   6377       0.31702       0.38162       0.83072       0.96667  0.85s
   6378       0.31699       0.30348       1.04450       1.00000  0.84s
   6379       0.33972       0.41201       0.82454       0.93333  0.84s
   6380       0.31120       0.31374       0.99190       1.00000  0.84s
   6381       0.33839       0.30473       1.11047       1.00000  0.84s
   6382       0.37008       0.33776       1.09567       1.00000  0.85s
   6383       0.31145       0.47052       0.66193       0.93333  0.85s
   6384       0.34516       0.31897       1.08214       1.00000  0.85s
   6385       0.32661       0.36337       0.89884       0.96667  0.86s
   6386       0.31969       0.31350       1.01973       1.00000  0.85s
   6387       0.34646       0.33523       1.03349       0.96667  0.85s
   6388       0.37311       0.30979       1.20440       1.00000  0.85s
   6389       0.31001       0.32107       0.96555       1.00000  0.84s
   6390       0.31648       0.41920       0.75498       0.96667  0.85s
   6391       0.31322       0.47405       0.66073       0.93333  0.85s
   6392       0.38090       0.32152       1.18469       1.00000  0.85s
   6393       0.33032       0.33618       0.98257       0.96667  0.84s
   6394       0.30910       0.30066       1.02810       1.00000  0.84s
   6395       0.40354       0.32456       1.24336       1.00000  0.84s
   6396       0.30896       0.34122       0.90545       0.96667  0.84s
   6397       0.33821       0.34848       0.97052       0.96667  0.85s
   6398       0.31231       0.31058       1.00557       1.00000  0.84s
   6399       0.31853       0.32023       0.99471       1.00000  0.84s
   6400       0.32325       0.31303       1.03265       1.00000  0.85s
Regularization term: 0.295404911041
2016-07-02 17:35:07,748 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:35:13,540 - root - INFO - Duration of validation: 0:00:05
   6401       0.33769       0.30607       1.10332       1.00000  0.85s
   6402       0.34091       0.33737       1.01048       1.00000  0.84s
   6403       0.31734       0.32628       0.97260       1.00000  0.84s
   6404       0.32085       0.31693       1.01236       1.00000  0.84s
   6405       0.32590       0.30335       1.07433       1.00000  0.84s
   6406       0.34717       0.30493       1.13855       1.00000  0.85s
   6407       0.30683       0.32683       0.93880       1.00000  0.84s
   6408       0.39014       0.31877       1.22388       1.00000  0.84s
   6409       0.30776       0.53250       0.57795       0.93333  0.84s
   6410       0.35468       0.30312       1.17011       1.00000  0.84s
   6411       0.31703       0.36900       0.85915       0.96667  0.85s
   6412       0.31521       0.31378       1.00455       1.00000  0.84s
   6413       0.30739       0.31108       0.98814       1.00000  0.85s
```

6414	0.32809	0.30757	1.06674	1.00000	0.85s
6415	0.31230	0.31378	0.99528	1.00000	0.84s
6416	0.35635	0.30082	1.18460	1.00000	0.85s
6417	0.34998	0.29904	1.17034	1.00000	0.84s
6418	0.32223	0.34022	0.94712	0.96667	0.85s
6419	0.33348	0.30389	1.09738	1.00000	0.84s
6420	0.32044	0.43854	0.73071	0.96667	0.84s
6421	0.32306	0.31501	1.02556	1.00000	0.85s
6422	0.31297	0.29968	1.04435	1.00000	0.84s
6423	0.30904	0.31268	0.98836	1.00000	0.84s
6424	0.32569	0.31774	1.02501	1.00000	0.85s
6425	0.35528	0.37873	0.93807	0.93333	0.85s
6426	0.37809	0.32211	1.17379	1.00000	0.84s
6427	0.32088	0.30617	1.04802	1.00000	0.85s
6428	0.31007	0.32166	0.96397	1.00000	0.85s
6429	0.31776	0.33399	0.95140	1.00000	0.85s
6430	0.30618	0.35823	0.85470	0.96667	0.85s
6431	0.31393	0.45174	0.69493	0.96667	0.84s
6432	0.30844	0.32096	0.96099	1.00000	0.84s
6433	0.33232	0.31676	1.04910	1.00000	0.85s
6434	0.30761	0.30484	1.00907	1.00000	0.84s
6435	0.36860	0.30479	1.20935	1.00000	0.84s
6436	0.30557	0.31930	0.95702	1.00000	0.84s
6437	0.33104	0.33729	0.98148	0.96667	0.85s
6438	0.30902	0.33222	0.93015	1.00000	0.84s
6439	0.30428	0.30353	1.00248	1.00000	0.84s
6440	0.30296	0.31759	0.95393	1.00000	0.85s
6441	0.31385	0.35774	0.87732	0.96667	0.85s
6442	0.32087	0.37564	0.85420	0.96667	0.85s
6443	0.35073	0.40310	0.87008	0.96667	0.85s
6444	0.32205	0.32780	0.98248	1.00000	0.84s
6445	0.34833	0.31695	1.09898	1.00000	0.84s
6446	0.33319	0.29924	1.11345	1.00000	0.84s
6447	0.30264	0.38449	0.78713	0.96667	0.85s
6448	0.31492	0.36839	0.85485	0.96667	0.85s
6449	0.32431	0.30032	1.07989	1.00000	0.85s
6450	0.32508	0.42256	0.76931	0.96667	0.84s
6451	0.30682	0.30323	1.01185	1.00000	0.87s
6452	0.34927	0.29569	1.18121	1.00000	0.84s
6453	0.32694	0.35062	0.93245	0.96667	0.85s
6454	0.32700	0.31052	1.05307	1.00000	0.84s
6455	0.37402	0.31167	1.20004	1.00000	0.85s
6456	0.38685	0.35451	1.09123	0.96667	0.85s
6457	0.32451	0.30253	1.07268	1.00000	0.85s
6458	0.31261	0.32960	0.94847	1.00000	0.84s
6459	0.31066	0.38228	0.81263	0.96667	0.85s
6460	0.32112	0.30448	1.05464	1.00000	0.84s
6461	0.31746	0.36997	0.85807	0.96667	0.86s
6462	0.31295	0.36302	0.86205	1.00000	0.84s
6463	0.30968	0.29707	1.04247	1.00000	0.84s
6464	0.29890	0.30701	0.97357	1.00000	0.85s
6465	0.32283	0.38087	0.84762	0.96667	0.85s
6466	0.40775	0.31388	1.29907	1.00000	0.85s
6467	0.37812	0.33172	1.13987	1.00000	0.83s

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   6468       0.34897       0.31572       1.10533       1.00000  0.85s
   6469       0.30609       0.37497       0.81631       0.96667  0.85s
   6470       0.30684       0.34338       0.89361       1.00000  0.84s
   6471       0.35287       0.30305       1.16440       1.00000  0.83s
   6472       0.34182       0.35628       0.95941       1.00000  0.85s
   6473       0.33386       0.30929       1.07944       1.00000  0.84s
   6474       0.40774       0.35937       1.13460       0.96667  0.85s
   6475       0.33126       0.34789       0.95220       0.96667  0.85s
   6476       0.32845       0.31543       1.04126       1.00000  0.84s
   6477       0.30965       0.42688       0.72538       0.93333  0.84s
   6478       0.30507       0.33924       0.89925       1.00000  0.85s
   6479       0.31819       0.35254       0.90255       0.96667  0.85s
   6480       0.30384       0.30342       1.00140       1.00000  0.84s
   6481       0.30827       0.31915       0.96590       1.00000  0.84s
   6482       0.33542       0.30546       1.09809       1.00000  0.84s
   6483       0.33931       0.29821       1.13781       1.00000  0.84s
   6484       0.34150       0.31359       1.08901       1.00000  0.84s
   6485       0.30333       0.31631       0.95898       1.00000  0.84s
   6486       0.30151       0.30401       0.99178       1.00000  0.84s
   6487       0.32610       0.37388       0.87219       0.96667  0.83s
   6488       0.30287       0.30228       1.00193       1.00000  0.85s
   6489       0.31255       0.39819       0.78492       0.96667  0.85s
   6490       0.30712       0.30420       1.00958       1.00000  0.84s
   6491       0.30195       0.49361       0.61173       0.96667  0.84s
   6492       0.29661       0.32776       0.90497       1.00000  0.84s
   6493       0.30949       0.38886       0.79589       0.96667  0.84s
   6494       0.40587       0.30033       1.35142       1.00000  0.85s
   6495       0.42421       0.39281       1.07993       0.96667  0.85s
   6496       0.32327       0.31437       1.02832       1.00000  0.85s
   6497       0.30851       0.30353       1.01639       1.00000  0.85s
   6498       0.37001       0.37386       0.98969       0.96667  0.85s
   6499       0.32547       0.34985       0.93032       1.00000  0.84s
   6500       0.33284       0.34647       0.96069       0.96667  0.84s
Regularization term: 0.289315283298
2016-07-02 17:36:45,410 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:36:51,173 - root - INFO - Duration of validation: 0:00:05
   6501       0.31435       0.33358       0.94236       1.00000  0.85s
   6502       0.34925       0.31819       1.09760       1.00000  0.85s
   6503       0.34423       0.30668       1.12243       1.00000  0.84s
   6504       0.30344       0.31963       0.94934       1.00000  0.84s
   6505       0.30436       0.36554       0.83265       0.96667  0.85s
   6506       0.35870       0.29551       1.21385       1.00000  0.85s
   6507       0.30761       0.44927       0.68468       0.93333  0.85s
   6508       0.31801       0.31418       1.01217       1.00000  0.84s
   6509       0.30571       0.30015       1.01851       1.00000  0.84s
   6510       0.32572       0.30201       1.07853       1.00000  0.85s
   6511       0.31290       0.30230       1.03506       1.00000  0.83s
   6512       0.29841       0.34968       0.85339       0.96667  0.85s
   6513       0.30873       0.41217       0.74903       0.96667  0.85s
   6514       0.30405       0.31397       0.96838       1.00000  0.84s
   6515       0.35143       0.29471       1.19247       1.00000  0.84s
   6516       0.31263       0.29968       1.04321       1.00000  0.84s
   6517       0.33530       0.32991       1.01632       1.00000  0.85s
   6518       0.33991       0.33500       1.01467       1.00000  0.85s
```

6519	0.30409	0.35615	0.85381	0.96667	0.84s
6520	0.30714	0.33168	0.92602	1.00000	0.85s
6521	0.33839	0.29454	1.14888	1.00000	0.85s
6522	0.32019	0.29736	1.07678	1.00000	0.84s
6523	0.32555	0.40161	0.81061	0.96667	0.86s
6524	0.32179	0.34344	0.93697	0.96667	0.85s
6525	0.33141	0.30080	1.10178	1.00000	0.84s
6526	0.31051	0.29453	1.05425	1.00000	0.85s
6527	0.31423	0.36563	0.85944	0.96667	0.85s
6528	0.31275	0.36043	0.86773	0.96667	0.85s
6529	0.31711	0.29706	1.06750	1.00000	0.86s
6530	0.30115	0.41149	0.73186	0.96667	0.84s
6531	0.30348	0.31113	0.97542	1.00000	0.85s
6532	0.31354	0.30446	1.02984	1.00000	0.85s
6533	0.31352	0.32116	0.97623	1.00000	0.84s
6534	0.30202	0.30112	1.00300	1.00000	0.85s
6535	0.31009	0.34122	0.90877	0.96667	0.84s
6536	0.30196	0.30182	1.00048	1.00000	0.85s
6537	0.34701	0.29714	1.16785	1.00000	0.84s
6538	0.34812	0.30669	1.13508	1.00000	0.85s
6539	0.29636	0.30258	0.97943	1.00000	0.85s
6540	0.29578	0.31041	0.95289	1.00000	0.85s
6541	0.33553	0.38477	0.87202	0.93333	0.85s
6542	0.32169	0.29911	1.07550	1.00000	0.85s
6543	0.31769	0.38632	0.82235	0.96667	0.85s
6544	0.32810	0.30414	1.07879	1.00000	0.85s
6545	0.30361	0.37668	0.80601	0.96667	0.84s
6546	0.33260	0.44123	0.75382	0.96667	0.84s
6547	0.30159	0.32894	0.91686	1.00000	0.85s
6548	0.30450	0.29283	1.03986	1.00000	0.85s
6549	0.32282	0.30426	1.06103	1.00000	0.86s
6550	0.32994	0.29662	1.11233	1.00000	0.86s
6551	0.29498	0.31386	0.93986	1.00000	0.85s
6552	0.36176	0.28866	1.25325	1.00000	0.85s
6553	0.35223	0.29441	1.19638	1.00000	0.85s
6554	0.33902	0.31522	1.07549	1.00000	0.85s
6555	0.30048	0.29919	1.00430	1.00000	0.84s
6556	0.30958	0.56355	0.54933	0.93333	0.86s
6557	0.29514	0.30085	0.98101	1.00000	0.84s
6558	0.31799	0.29486	1.07842	1.00000	0.85s
6559	0.29625	0.30501	0.97126	1.00000	0.84s
6560	0.32142	0.29084	1.10512	1.00000	0.85s
6561	0.30409	0.29318	1.03722	1.00000	0.85s
6562	0.30721	0.30959	0.99231	1.00000	0.84s
6563	0.29827	0.30087	0.99134	1.00000	0.84s
6564	0.30090	0.29332	1.02585	1.00000	0.85s
6565	0.30685	0.34673	0.88500	0.96667	0.86s
6566	0.32110	0.38597	0.83193	0.96667	0.84s
6567	0.30415	0.29106	1.04497	1.00000	0.84s
6568	0.29566	0.29385	1.00618	1.00000	0.85s
6569	0.29635	0.29592	1.00144	1.00000	0.85s
6570	0.34272	0.29872	1.14729	1.00000	0.84s
6571	0.32764	0.30870	1.06136	1.00000	0.85s
6572	0.29650	0.31013	0.95605	1.00000	0.85s

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   6573       0.32436       0.30614       1.05953       1.00000  0.85s
   6574       0.29940       0.29525       1.01407       1.00000  0.85s
   6575       0.29849       0.31170       0.95762       1.00000  0.84s
   6576       0.30678       0.33302       0.92121       1.00000  0.85s
   6577       0.30533       0.34775       0.87802       1.00000  0.85s
   6578       0.32022       0.29882       1.07162       1.00000  0.85s
   6579       0.31299       0.29726       1.05291       1.00000  0.84s
   6580       0.32281       0.29304       1.10158       1.00000  0.85s
   6581       0.29255       0.31040       0.94250       1.00000  0.85s
   6582       0.31274       0.31978       0.97797       1.00000  0.84s
   6583       0.30346       0.33832       0.89697       1.00000  0.85s
   6584       0.34731       0.29683       1.17004       1.00000  0.85s
   6585       0.32924       0.29760       1.10631       1.00000  0.85s
   6586       0.32511       0.29655       1.09632       1.00000  0.84s
   6587       0.30799       0.36259       0.84941       0.96667  0.84s
   6588       0.30711       0.30698       1.00040       1.00000  0.85s
   6589       0.29535       0.41597       0.71003       0.96667  0.84s
   6590       0.34999       0.29214       1.19802       1.00000  0.84s
   6591       0.31218       0.30036       1.03936       1.00000  0.85s
   6592       0.33422       0.32058       1.04255       1.00000  0.85s
   6593       0.29727       0.33377       0.89065       1.00000  0.85s
   6594       0.30230       0.32372       0.93381       1.00000  0.84s
   6595       0.31789       0.32190       0.98752       1.00000  0.84s
   6596       0.30177       0.29012       1.04017       1.00000  0.85s
   6597       0.30094       0.28875       1.04222       1.00000  0.84s
   6598       0.29320       0.38541       0.76074       0.93333  0.85s
   6599       0.32827       0.31211       1.05176       1.00000  0.84s
   6600       0.29406       0.29214       1.00657       1.00000  0.85s
Regularization term: 0.283996939659
2016-07-02 17:38:24,282 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:38:30,036 - root - INFO - Duration of validation: 0:00:05
   6601       0.34188       0.29685       1.15168       1.00000  0.84s
   6602       0.29451       0.29478       0.99908       1.00000  0.85s
   6603       0.29558       0.30279       0.97620       1.00000  0.85s
   6604       0.29176       0.28753       1.01474       1.00000  0.84s
   6605       0.30014       0.29687       1.01103       1.00000  0.84s
   6606       0.29887       0.30378       0.98383       1.00000  0.85s
   6607       0.40629       0.29180       1.39238       1.00000  0.85s
   6608       0.37052       0.37167       0.99689       0.96667  0.85s
   6609       0.33728       0.29452       1.14518       1.00000  0.86s
   6610       0.29865       0.28905       1.03321       1.00000  0.83s
   6611       0.31147       0.33651       0.92559       1.00000  0.85s
   6612       0.32445       0.44050       0.73655       0.96667  0.84s
   6613       0.37386       0.30109       1.24171       1.00000  0.85s
   6614       0.29438       0.29491       0.99817       1.00000  0.85s
   6615       0.33548       0.42385       0.79150       0.96667  0.84s
   6616       0.31169       0.29684       1.05003       1.00000  0.84s
   6617       0.30499       0.29611       1.03001       1.00000  0.84s
   6618       0.31352       0.30085       1.04213       1.00000  0.86s
   6619       0.30035       0.43269       0.69416       0.96667  0.84s
   6620       0.32150       0.30377       1.05838       1.00000  0.85s
   6621       0.36539       0.30513       1.19747       1.00000  0.85s
   6622       0.35912       0.52276       0.68697       0.90000  0.84s
   6623       0.30827       0.29236       1.05440       1.00000  0.84s
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6624	0.32031	0.30691	1.04365	1.00000	0.85s
6625	0.30705	0.31947	0.96112	1.00000	0.84s
6626	0.30890	0.31703	0.97435	1.00000	0.86s
6627	0.30232	0.32090	0.94209	1.00000	0.84s
6628	0.30306	0.32165	0.94219	1.00000	0.83s
6629	0.33067	0.29224	1.13152	1.00000	0.85s
6630	0.36525	0.31338	1.16553	1.00000	0.84s
6631	0.31195	0.31172	1.00074	1.00000	0.84s
6632	0.32689	0.30078	1.08679	1.00000	0.84s
6633	0.30697	0.30155	1.01798	1.00000	0.84s
6634	0.30207	0.30283	0.99749	1.00000	0.84s
6635	0.31310	0.30525	1.02569	1.00000	0.84s
6636	0.32105	0.32054	1.00161	1.00000	0.85s
6637	0.33215	0.32045	1.03651	1.00000	0.85s
6638	0.30589	0.32293	0.94725	1.00000	0.84s
6639	0.32591	0.30664	1.06287	1.00000	0.85s
6640	0.31078	0.36801	0.84448	0.93333	0.86s
6641	0.32532	0.43931	0.74054	0.96667	0.85s
6642	0.30563	0.29813	1.02515	1.00000	0.85s
6643	0.32303	0.36191	0.89257	0.96667	0.84s
6644	0.30371	0.31990	0.94938	1.00000	0.84s
6645	0.29986	0.31033	0.96625	1.00000	0.85s
6646	0.30571	0.34664	0.88193	0.96667	0.86s
6647	0.29614	0.29209	1.01387	1.00000	0.84s
6648	0.32199	0.30539	1.05437	1.00000	0.85s
6649	0.29146	0.29722	0.98060	1.00000	0.85s
6650	0.31123	0.37276	0.83495	1.00000	0.85s
6651	0.29847	0.35593	0.83855	0.96667	0.85s
6652	0.33703	0.32324	1.04265	1.00000	0.84s
6653	0.32862	0.34445	0.95404	0.96667	0.85s
6654	0.30920	0.34514	0.89586	0.96667	0.84s
6655	0.32933	0.29341	1.12243	1.00000	0.84s
6656	0.29800	0.33455	0.89076	1.00000	0.86s
6657	0.34814	0.30971	1.12411	1.00000	0.86s
6658	0.29621	0.32054	0.92409	1.00000	0.85s
6659	0.31561	0.28693	1.09996	1.00000	0.86s
6660	0.29328	0.36890	0.79501	0.96667	0.84s
6661	0.34618	0.31757	1.09007	1.00000	0.85s
6662	0.30702	0.30364	1.01115	1.00000	0.84s
6663	0.31452	0.28570	1.10088	1.00000	0.84s
6664	0.33609	0.38100	0.88212	0.93333	0.85s
6665	0.30853	0.31180	0.98948	1.00000	0.86s
6666	0.34271	0.29883	1.14684	1.00000	0.85s
6667	0.29925	0.29453	1.01600	1.00000	0.84s
6668	0.30434	0.38411	0.79232	0.96667	0.84s
6669	0.29230	0.30089	0.97147	1.00000	0.84s
6670	0.39494	0.29831	1.32393	1.00000	0.84s
6671	0.29484	0.28635	1.02966	1.00000	0.85s
6672	0.30072	0.32233	0.93296	1.00000	0.85s
6673	0.32205	0.31418	1.02506	1.00000	0.85s
6674	0.36817	0.30531	1.20589	1.00000	0.85s
6675	0.29178	0.28974	1.00702	1.00000	0.85s
6676	0.34641	0.36043	0.96108	0.93333	0.85s
6677	0.30779	0.37994	0.81010	0.93333	0.84s

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   6678       0.36136       0.30374       1.18970       1.00000  0.84s
   6679       0.31055       0.33816       0.91837       1.00000  0.84s
   6680       0.31172       0.29872       1.04351       1.00000  0.85s
   6681       0.35359       0.30734       1.15049       1.00000  0.84s
   6682       0.29716       0.29184       1.01825       1.00000  0.84s
   6683       0.30362       0.36849       0.82396       0.96667  0.84s
   6684       0.34057       0.33831       1.00667       0.96667  0.85s
   6685       0.30434       0.32671       0.93154       0.96667  0.85s
   6686       0.30733       0.28910       1.06307       1.00000  0.84s
   6687       0.29882       0.30371       0.98390       1.00000  0.85s
   6688       0.32388       0.28903       1.12056       1.00000  0.85s
   6689       0.32787       0.32933       0.99556       1.00000  0.85s
   6690       0.29184       0.29154       1.00104       1.00000  0.84s
   6691       0.29333       0.30705       0.95532       1.00000  0.85s
   6692       0.29098       0.31233       0.93163       1.00000  0.85s
   6693       0.29768       0.37248       0.79919       0.96667  0.84s
   6694       0.29947       0.29410       1.01828       1.00000  0.84s
   6695       0.30948       0.29412       1.05223       1.00000  0.84s
   6696       0.30705       0.31152       0.98564       1.00000  0.84s
   6697       0.29705       0.33145       0.89620       0.96667  0.84s
   6698       0.31393       0.33921       0.92547       0.96667  0.84s
   6699       0.34113       0.30401       1.12209       1.00000  0.85s
   6700       0.31558       0.28894       1.09220       1.00000  0.84s
Regularization term: 0.278187721968
2016-07-02 17:40:02,025 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:40:07,015 - root - INFO - Duration of validation: 0:00:04
   6701       0.30871       0.33469       0.92240       0.96667  0.84s
   6702       0.30326       0.35063       0.86489       1.00000  0.84s
   6703       0.30326       0.28862       1.05071       1.00000  0.84s
   6704       0.31702       0.36749       0.86265       0.96667  0.85s
   6705       0.31975       0.32414       0.98644       1.00000  0.84s
   6706       0.32894       0.31839       1.03312       1.00000  0.85s
   6707       0.30052       0.28763       1.04480       1.00000  0.84s
   6708       0.30313       0.38613       0.78504       0.96667  0.84s
   6709       0.34438       0.37139       0.92727       0.96667  0.84s
   6710       0.29850       0.31015       0.96242       1.00000  0.84s
   6711       0.29683       0.30958       0.95881       1.00000  0.84s
   6712       0.30056       0.32214       0.93301       1.00000  0.84s
   6713       0.28759       0.29749       0.96673       1.00000  0.84s
   6714       0.33353       0.32994       1.01087       1.00000  0.84s
   6715       0.32715       0.28890       1.13242       1.00000  0.84s
   6716       0.30365       0.31082       0.97692       0.96667  0.85s
   6717       0.29973       0.31328       0.95676       1.00000  0.84s
   6718       0.33927       0.28875       1.17496       1.00000  0.84s
   6719       0.29868       0.29452       1.01412       1.00000  0.84s
   6720       0.31194       0.31857       0.97919       1.00000  0.84s
   6721       0.35489       0.28080       1.26384       1.00000  0.84s
   6722       0.31268       0.29816       1.04870       1.00000  0.84s
   6723       0.32752       0.31171       1.05075       1.00000  0.85s
   6724       0.33522       0.30544       1.09751       1.00000  0.84s
   6725       0.30419       0.28787       1.05669       1.00000  0.84s
   6726       0.33950       0.42521       0.79843       0.93333  0.84s
   6727       0.30073       0.29932       1.00473       1.00000  0.84s
   6728       0.31685       0.30514       1.03837       1.00000  0.85s
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6729	0.28980	0.34926	0.82974	0.96667	0.84s
6730	0.30166	0.28848	1.04569	1.00000	0.84s
6731	0.29531	0.32369	0.91233	0.96667	0.84s
6732	0.31988	0.28966	1.10435	1.00000	0.84s
6733	0.31450	0.28294	1.11152	1.00000	0.84s
6734	0.28566	0.34496	0.82810	0.96667	0.85s
6735	0.33224	0.28333	1.17260	1.00000	0.85s
6736	0.30172	0.28160	1.07145	1.00000	0.85s
6737	0.29018	0.30566	0.94936	1.00000	0.84s
6738	0.29241	0.28455	1.02763	1.00000	0.85s
6739	0.32430	0.31601	1.02624	1.00000	0.84s
6740	0.28880	0.28323	1.01966	1.00000	0.84s
6741	0.30078	0.30039	1.00132	1.00000	0.84s
6742	0.28578	0.32381	0.88257	0.96667	0.85s
6743	0.29737	0.36872	0.80651	0.96667	0.84s
6744	0.30617	0.33105	0.92484	1.00000	0.85s
6745	0.30123	0.28948	1.04058	1.00000	0.85s
6746	0.30035	0.33856	0.88713	0.96667	0.84s
6747	0.30501	0.27995	1.08952	1.00000	0.84s
6748	0.32023	0.28953	1.10602	1.00000	0.84s
6749	0.28905	0.30000	0.96349	1.00000	0.85s
6750	0.29526	0.29249	1.00945	1.00000	0.84s
6751	0.28615	0.29391	0.97359	1.00000	0.85s
6752	0.34666	0.28875	1.20055	1.00000	0.85s
6753	0.35175	0.31518	1.11603	0.96667	0.84s
6754	0.28587	0.29070	0.98339	1.00000	0.85s
6755	0.28748	0.36206	0.79401	0.96667	0.84s
6756	0.29730	0.28581	1.04023	1.00000	0.85s
6757	0.33653	0.30030	1.12062	1.00000	0.85s
6758	0.29593	0.28472	1.03937	1.00000	0.85s
6759	0.29344	0.31653	0.92705	0.96667	0.84s
6760	0.31907	0.33261	0.95929	1.00000	0.85s
6761	0.29919	0.33284	0.89889	0.96667	0.86s
6762	0.29444	0.31136	0.94565	0.96667	0.85s
6763	0.30289	0.50887	0.59523	0.96667	0.85s
6764	0.32222	0.27942	1.15317	1.00000	0.85s
6765	0.30964	0.34281	0.90325	0.96667	0.85s
6766	0.28518	0.38803	0.73493	0.96667	0.84s
6767	0.30317	0.30128	1.00628	1.00000	0.84s
6768	0.28577	0.30793	0.92805	0.96667	0.84s
6769	0.29668	0.29023	1.02222	1.00000	0.85s
6770	0.30768	0.30474	1.00964	1.00000	0.85s
6771	0.28157	0.33522	0.83996	0.96667	0.84s
6772	0.30458	0.29255	1.04114	1.00000	0.84s
6773	0.31863	0.28689	1.11064	1.00000	0.84s
6774	0.31585	0.29852	1.05806	1.00000	0.85s
6775	0.28594	0.31052	0.92082	1.00000	0.83s
6776	0.29929	0.28898	1.03568	1.00000	0.84s
6777	0.28050	0.30573	0.91750	1.00000	0.85s
6778	0.32551	0.27945	1.16483	1.00000	0.85s
6779	0.28487	0.33148	0.85938	0.96667	0.85s
6780	0.36643	0.49334	0.74275	0.96667	0.85s
6781	0.30449	0.28742	1.05942	1.00000	0.85s
6782	0.31807	0.27806	1.14387	1.00000	0.85s

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   6783       0.29422       0.36962       0.79601       0.93333  0.84s
   6784       0.30913       0.30075       1.02784       1.00000  0.86s
   6785       0.30552       0.39804       0.76757       0.96667  0.86s
   6786       0.28461       0.36234       0.78550       1.00000  0.85s
   6787       0.29091       0.28276       1.02883       1.00000  0.85s
   6788       0.29824       0.31359       0.95105       1.00000  0.84s
   6789       0.32982       0.30569       1.07892       1.00000  0.84s
   6790       0.29092       0.29047       1.00155       1.00000  0.85s
   6791       0.28181       0.28329       0.99477       1.00000  0.85s
   6792       0.29502       0.32352       0.91191       1.00000  0.85s
   6793       0.30823       0.27943       1.10307       1.00000  0.85s
   6794       0.30096       0.28109       1.07068       1.00000  0.85s
   6795       0.29454       0.33405       0.88174       0.96667  0.84s
   6796       0.31113       0.29310       1.06150       1.00000  0.84s
   6797       0.30270       0.32941       0.91891       0.96667  0.85s
   6798       0.29486       0.34014       0.86688       0.96667  0.84s
   6799       0.34742       0.28544       1.21714       1.00000  0.85s
   6800       0.29345       0.28407       1.03302       1.00000  0.86s
Regularization term: 0.274047791958
2016-07-02 17:41:38,882 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:41:44,729 - root - INFO - Duration of validation: 0:00:05
   6801       0.30839       0.28997       1.06350       1.00000  0.85s
   6802       0.29977       0.28018       1.06993       1.00000  0.84s
   6803       0.29165       0.36756       0.79348       0.96667  0.84s
   6804       0.29383       0.30670       0.95803       1.00000  0.85s
   6805       0.38071       0.55267       0.68886       0.93333  0.85s
   6806       0.31940       0.28362       1.12617       1.00000  0.85s
   6807       0.29464       0.28796       1.02317       1.00000  0.84s
   6808       0.28791       0.28291       1.01768       1.00000  0.85s
   6809       0.28866       0.30557       0.94467       1.00000  0.85s
   6810       0.29424       0.29203       1.00757       1.00000  0.85s
   6811       0.28746       0.27888       1.03074       1.00000  0.84s
   6812       0.30803       0.30302       1.01654       1.00000  0.85s
   6813       0.29300       0.28231       1.03783       1.00000  0.85s
   6814       0.28449       0.28475       0.99908       1.00000  0.84s
   6815       0.29263       0.31353       0.93333       0.96667  0.85s
   6816       0.29221       0.30200       0.96759       1.00000  0.85s
   6817       0.28363       0.29190       0.97169       1.00000  0.84s
   6818       0.28430       0.29519       0.96309       1.00000  0.84s
   6819       0.28789       0.28389       1.01409       1.00000  0.85s
   6820       0.29210       0.34216       0.85370       0.96667  0.84s
   6821       0.29762       0.29967       0.99317       1.00000  0.84s
   6822       0.37484       0.28636       1.30899       1.00000  0.85s
   6823       0.28893       0.33000       0.87554       0.96667  0.84s
   6824       0.29853       0.30270       0.98623       1.00000  0.84s
   6825       0.31702       0.28473       1.11341       1.00000  0.85s
   6826       0.35598       0.39379       0.90398       0.96667  0.85s
   6827       0.31640       0.28575       1.10726       1.00000  0.85s
   6828       0.28039       0.29876       0.93853       1.00000  0.85s
   6829       0.29411       0.28595       1.02856       1.00000  0.84s
   6830       0.30627       0.29094       1.05272       1.00000  0.84s
   6831       0.28817       0.27719       1.03962       1.00000  0.84s
   6832       0.28844       0.30626       0.94182       1.00000  0.85s
   6833       0.30637       0.41061       0.74613       0.93333  0.85s
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6834	0.29098	0.36998	0.78648	0.96667	0.85s
6835	0.29600	0.29324	1.00941	1.00000	0.85s
6836	0.30490	0.39088	0.78002	0.96667	0.85s
6837	0.28249	0.37552	0.75226	0.96667	0.85s
6838	0.27693	0.30533	0.90698	1.00000	0.85s
6839	0.30471	0.30694	0.99273	1.00000	0.84s
6840	0.28939	0.29098	0.99457	1.00000	0.85s
6841	0.28392	0.28868	0.98352	1.00000	0.84s
6842	0.29350	0.36928	0.79479	0.96667	0.84s
6843	0.31141	0.30036	1.03679	1.00000	0.84s
6844	0.31241	0.28282	1.10462	1.00000	0.85s
6845	0.28865	0.27613	1.04533	1.00000	0.84s
6846	0.29117	0.38505	0.75620	0.93333	0.84s
6847	0.30238	0.30648	0.98664	0.96667	0.85s
6848	0.29830	0.30159	0.98912	1.00000	0.85s
6849	0.28408	0.30150	0.94223	1.00000	0.84s
6850	0.27870	0.36441	0.76478	0.96667	0.84s
6851	0.34395	0.30339	1.13367	1.00000	0.84s
6852	0.31654	0.34703	0.91212	0.96667	0.84s
6853	0.30900	0.29214	1.05772	1.00000	0.85s
6854	0.29071	0.27927	1.04095	1.00000	0.85s
6855	0.28541	0.42007	0.67944	0.96667	0.84s
6856	0.28304	0.28126	1.00635	1.00000	0.85s
6857	0.28637	0.29321	0.97669	1.00000	0.85s
6858	0.29780	0.28202	1.05597	1.00000	0.84s
6859	0.29064	0.31118	0.93401	1.00000	0.84s
6860	0.28489	0.38442	0.74110	0.96667	0.84s
6861	0.30077	0.28825	1.04345	1.00000	0.85s
6862	0.28748	0.28349	1.01409	1.00000	0.84s
6863	0.28830	0.30131	0.95682	1.00000	0.84s
6864	0.29530	0.28441	1.03831	1.00000	0.84s
6865	0.29775	0.31160	0.95555	1.00000	0.85s
6866	0.29242	0.30816	0.94892	1.00000	0.85s
6867	0.30080	0.27556	1.09157	1.00000	0.84s
6868	0.28880	0.30885	0.93509	1.00000	0.84s
6869	0.28129	0.27427	1.02558	1.00000	0.85s
6870	0.27869	0.30849	0.90339	1.00000	0.84s
6871	0.29788	0.28747	1.03620	1.00000	0.84s
6872	0.30347	0.28465	1.06611	1.00000	0.85s
6873	0.35827	0.40053	0.89449	0.96667	0.85s
6874	0.31674	0.28109	1.12684	1.00000	0.85s
6875	0.34015	0.30658	1.10950	1.00000	0.84s
6876	0.28748	0.29518	0.97390	1.00000	0.84s
6877	0.28020	0.28762	0.97418	1.00000	0.84s
6878	0.28669	0.32498	0.88218	0.96667	0.85s
6879	0.32205	0.29934	1.07586	1.00000	0.85s
6880	0.28685	0.27844	1.03022	1.00000	0.85s
6881	0.27663	0.28790	0.96087	1.00000	0.84s
6882	0.31417	0.30157	1.04179	1.00000	0.85s
6883	0.30743	0.31369	0.98005	1.00000	0.85s
6884	0.32419	0.28775	1.12663	1.00000	0.85s
6885	0.28883	0.30854	0.93610	1.00000	0.84s
6886	0.29456	0.33012	0.89230	0.96667	0.84s
6887	0.29711	0.28754	1.03327	1.00000	0.84s

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   6888       0.29260       0.31475       0.92964       1.00000  0.85s
   6889       0.28182       0.32987       0.85433       0.96667  0.84s
   6890       0.31315       0.30276       1.03431       1.00000  0.84s
   6891       0.29478       0.28717       1.02650       1.00000  0.85s
   6892       0.31162       0.29498       1.05640       1.00000  0.84s
   6893       0.29143       0.27968       1.04202       1.00000  0.84s
   6894       0.28523       0.28449       1.00260       1.00000  0.85s
   6895       0.29180       0.27731       1.05224       1.00000  0.84s
   6896       0.29024       0.34545       0.84018       0.96667  0.85s
   6897       0.28528       0.29350       0.97201       1.00000  0.85s
   6898       0.29652       0.28660       1.03461       1.00000  0.84s
   6899       0.28728       0.27975       1.02692       1.00000  0.86s
   6900       0.28775       0.28286       1.01729       1.00000  0.85s
Regularization term: 0.268985182047
2016-07-02 17:43:16,637 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:43:22,397 - root - INFO - Duration of validation: 0:00:05
   6901       0.27648       0.31687       0.87252       1.00000  0.85s
   6902       0.27613       0.28974       0.95302       1.00000  0.84s
   6903       0.29743       0.28066       1.05974       1.00000  0.85s
   6904       0.28803       0.28023       1.02783       1.00000  0.84s
   6905       0.28146       0.27875       1.00974       1.00000  0.85s
   6906       0.28566       0.29118       0.98106       1.00000  0.85s
   6907       0.28235       0.35230       0.80144       0.96667  0.85s
   6908       0.27834       0.27816       1.00063       1.00000  0.85s
   6909       0.30324       0.41342       0.73348       0.93333  0.85s
   6910       0.39650       0.29900       1.32608       1.00000  0.84s
   6911       0.30928       0.27573       1.12165       1.00000  0.84s
   6912       0.28273       0.27761       1.01846       1.00000  0.84s
   6913       0.32505       0.28718       1.13190       1.00000  0.85s
   6914       0.29845       0.29565       1.00945       1.00000  0.84s
   6915       0.28992       0.27634       1.04913       1.00000  0.85s
   6916       0.27857       0.32128       0.86705       0.96667  0.85s
   6917       0.31453       0.28751       1.09399       1.00000  0.85s
   6918       0.30734       0.27355       1.12350       1.00000  0.85s
   6919       0.29446       0.27455       1.07253       1.00000  0.85s
   6920       0.32810       0.29923       1.09649       1.00000  0.85s
   6921       0.27416       0.31372       0.87390       1.00000  0.85s
   6922       0.27816       0.27219       1.02192       1.00000  0.84s
   6923       0.28552       0.29289       0.97485       1.00000  0.85s
   6924       0.29785       0.28000       1.06376       1.00000  0.85s
   6925       0.33838       0.35506       0.95302       0.96667  0.86s
   6926       0.29145       0.27796       1.04853       1.00000  0.85s
   6927       0.27923       0.29514       0.94610       1.00000  0.83s
   6928       0.29045       0.27035       1.07434       1.00000  0.84s
   6929       0.27289       0.29841       0.91447       1.00000  0.85s
   6930       0.27840       0.28322       0.98297       1.00000  0.85s
   6931       0.29434       0.35488       0.82940       0.96667  0.85s
   6932       0.28062       0.27775       1.01033       1.00000  0.84s
   6933       0.31941       0.27575       1.15834       1.00000  0.84s
   6934       0.33524       0.35980       0.93174       0.93333  0.85s
   6935       0.29708       0.27386       1.08477       1.00000  0.84s
   6936       0.31051       0.29185       1.06395       1.00000  0.84s
   6937       0.32092       0.29234       1.09775       1.00000  0.85s
   6938       0.27506       0.27551       0.99838       1.00000  0.84s
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6939	0.28237	0.31153	0.90640	0.96667	0.85s
6940	0.29685	0.30023	0.98873	1.00000	0.85s
6941	0.27342	0.27527	0.99329	1.00000	0.85s
6942	0.27783	0.37768	0.73562	0.96667	0.85s
6943	0.28213	0.32087	0.87927	0.96667	0.85s
6944	0.27210	0.38099	0.71419	0.96667	0.84s
6945	0.28246	0.28877	0.97816	1.00000	0.84s
6946	0.27127	0.31288	0.86701	1.00000	0.84s
6947	0.27691	0.27400	1.01062	1.00000	0.84s
6948	0.28780	0.28141	1.02272	1.00000	0.84s
6949	0.29914	0.31350	0.95421	0.96667	0.85s
6950	0.28115	0.28731	0.97856	1.00000	0.84s
6951	0.32338	0.39466	0.81940	0.96667	0.83s
6952	0.32298	0.26898	1.20075	1.00000	0.85s
6953	0.30476	0.36217	0.84149	0.96667	0.85s
6954	0.31258	0.33158	0.94269	0.96667	0.84s
6955	0.31375	0.36947	0.84920	0.96667	0.84s
6956	0.41393	0.31693	1.30609	1.00000	0.85s
6957	0.35096	0.31061	1.12989	1.00000	0.85s
6958	0.28388	0.26963	1.05287	1.00000	0.84s
6959	0.30810	0.27261	1.13018	1.00000	0.84s
6960	0.27738	0.26892	1.03148	1.00000	0.86s
6961	0.28097	0.27882	1.00771	1.00000	0.84s
6962	0.27756	0.33532	0.82775	0.96667	0.84s
6963	0.31868	0.30908	1.03106	1.00000	0.85s
6964	0.27311	0.33336	0.81926	0.96667	0.84s
6965	0.31454	0.27015	1.16432	1.00000	0.85s
6966	0.31322	0.27857	1.12438	1.00000	0.85s
6967	0.34252	0.29793	1.14967	1.00000	0.84s
6968	0.28569	0.27154	1.05211	1.00000	0.84s
6969	0.36170	0.27813	1.30046	1.00000	0.84s
6970	0.32018	0.29084	1.10088	1.00000	0.84s
6971	0.29089	0.27571	1.05506	1.00000	0.84s
6972	0.31889	0.30002	1.06287	1.00000	0.85s
6973	0.34144	0.29126	1.17228	1.00000	0.85s
6974	0.28550	0.41119	0.69432	0.96667	0.84s
6975	0.29519	0.27973	1.05528	1.00000	0.84s
6976	0.33755	0.28831	1.17080	1.00000	0.85s
6977	0.29966	0.27716	1.08120	1.00000	0.85s
6978	0.28021	0.34684	0.80789	0.96667	0.85s
6979	0.30968	0.30340	1.02070	0.96667	0.85s
6980	0.30624	0.29516	1.03755	1.00000	0.84s
6981	0.27776	0.29061	0.95578	1.00000	0.84s
6982	0.29089	0.41819	0.69559	0.96667	0.85s
6983	0.27920	0.32676	0.85446	1.00000	0.85s
6984	0.28261	0.27564	1.02531	1.00000	0.84s
6985	0.39950	0.27504	1.45248	1.00000	0.84s
6986	0.29868	0.31314	0.95381	1.00000	0.84s
6987	0.31737	0.27327	1.16138	1.00000	0.84s
6988	0.28632	0.27645	1.03571	1.00000	0.84s
6989	0.28530	0.28006	1.01869	1.00000	0.85s
6990	0.30271	0.32654	0.92702	0.96667	0.84s
6991	0.30941	0.36062	0.85798	0.96667	0.85s
6992	0.27129	0.32175	0.84316	0.96667	0.84s

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   6993       0.35428       0.29650       1.19488       1.00000  0.85s
   6994       0.27218       0.29506       0.92245       1.00000  0.85s
   6995       0.30126       0.31277       0.96319       1.00000  0.84s
   6996       0.31148       0.30643       1.01650       1.00000  0.84s
   6997       0.31301       0.26993       1.15961       1.00000  0.86s
   6998       0.33888       0.33458       1.01286       0.96667  0.84s
   6999       0.28549       0.31761       0.89886       1.00000  0.83s
   7000       0.35480       0.41969       0.84540       0.96667  0.85s
Regularization term: 0.263418197632
2016-07-02 17:44:55,349 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:45:01,122 - root - INFO - Duration of validation: 0:00:05
   7001       0.31833       0.27484       1.15823       1.00000  0.85s
   7002       0.32353       0.28467       1.13653       1.00000  0.85s
   7003       0.28185       0.29073       0.96943       1.00000  0.84s
   7004       0.29360       0.39425       0.74471       0.96667  0.85s
   7005       0.36445       0.35009       1.04101       0.96667  0.85s
   7006       0.28062       0.26946       1.04142       1.00000  0.84s
   7007       0.28021       0.27394       1.02288       1.00000  0.84s
   7008       0.28241       0.27275       1.03543       1.00000  0.84s
   7009       0.37231       0.31687       1.17497       0.96667  0.85s
   7010       0.27868       0.38168       0.73015       0.96667  0.84s
   7011       0.28294       0.34914       0.81041       0.96667  0.85s
   7012       0.29466       0.30592       0.96321       1.00000  0.85s
   7013       0.27685       0.35912       0.77092       0.93333  0.84s
   7014       0.28835       0.27608       1.04443       1.00000  0.84s
   7015       0.28228       0.29273       0.96431       1.00000  0.84s
   7016       0.28587       0.34682       0.82427       0.96667  0.85s
   7017       0.28407       0.34440       0.82485       0.96667  0.85s
   7018       0.31138       0.28881       1.07815       1.00000  0.84s
   7019       0.32638       0.31140       1.04812       0.96667  0.84s
   7020       0.31890       0.31399       1.01563       1.00000  0.85s
   7021       0.34074       0.28298       1.20410       1.00000  0.85s
   7022       0.29099       0.31405       0.92657       1.00000  0.85s
   7023       0.35044       0.28965       1.20988       1.00000  0.84s
   7024       0.32997       0.28245       1.16822       1.00000  0.85s
   7025       0.30108       0.35193       0.85551       0.96667  0.83s
   7026       0.31568       0.28945       1.09060       1.00000  0.84s
   7027       0.30039       0.34029       0.88275       0.96667  0.85s
   7028       0.30314       0.27235       1.11305       1.00000  0.84s
   7029       0.29717       0.27854       1.06689       1.00000  0.84s
   7030       0.27174       0.28256       0.96169       1.00000  0.83s
   7031       0.27374       0.29402       0.93103       1.00000  0.85s
   7032       0.29203       0.30271       0.96471       1.00000  0.85s
   7033       0.36735       0.32153       1.14248       1.00000  0.84s
   7034       0.29703       0.29569       1.00455       1.00000  0.84s
   7035       0.27676       0.35027       0.79012       0.96667  0.83s
   7036       0.28055       0.26668       1.05199       1.00000  0.85s
   7037       0.33255       0.28966       1.14805       1.00000  0.84s
   7038       0.31052       0.27430       1.13206       1.00000  0.85s
   7039       0.30927       0.29556       1.04637       1.00000  0.84s
   7040       0.32217       0.26859       1.19948       1.00000  0.85s
   7041       0.28690       0.27425       1.04615       1.00000  0.84s
   7042       0.29167       0.28738       1.01492       1.00000  0.84s
   7043       0.27394       0.33184       0.82553       0.96667  0.84s
```

7044	0.31811	0.30711	1.03582	1.00000	0.84s
7045	0.27252	0.28305	0.96279	1.00000	0.85s
7046	0.28892	0.30094	0.96004	1.00000	0.84s
7047	0.27888	0.34289	0.81330	0.93333	0.84s
7048	0.30009	0.29429	1.01969	1.00000	0.85s
7049	0.30552	0.30570	0.99941	1.00000	0.84s
7050	0.28837	0.46727	0.61713	0.93333	0.84s
7051	0.28372	0.61114	0.46424	0.90000	0.84s
7052	0.29248	0.27970	1.04569	1.00000	0.85s
7053	0.29264	0.48813	0.59950	0.93333	0.84s
7054	0.28989	0.33698	0.86025	1.00000	0.85s
7055	0.31408	0.28136	1.11632	1.00000	0.85s
7056	0.29783	0.28704	1.03757	1.00000	0.85s
7057	0.32187	0.31983	1.00639	1.00000	0.84s
7058	0.31042	0.28044	1.10689	1.00000	0.85s
7059	0.28952	0.27848	1.03964	1.00000	0.84s
7060	0.37709	0.32694	1.15340	0.96667	0.85s
7061	0.30115	0.37503	0.80301	0.96667	0.84s
7062	0.28643	0.27287	1.04971	1.00000	0.85s
7063	0.30540	0.27552	1.10845	1.00000	0.85s
7064	0.30424	0.27494	1.10654	1.00000	0.85s
7065	0.34680	0.27026	1.28320	1.00000	0.84s
7066	0.28340	0.27834	1.01818	1.00000	0.85s
7067	0.28678	0.29547	0.97059	1.00000	0.86s
7068	0.29023	0.30383	0.95524	1.00000	0.85s
7069	0.28325	0.29986	0.94461	1.00000	0.86s
7070	0.32509	0.27356	1.18838	1.00000	0.85s
7071	0.33399	0.34447	0.96958	0.96667	0.85s
7072	0.27638	0.26840	1.02975	1.00000	0.86s
7073	0.28855	0.30236	0.95433	1.00000	0.85s
7074	0.28738	0.48458	0.59305	0.96667	0.84s
7075	0.28278	0.26694	1.05932	1.00000	0.84s
7076	0.29292	0.29500	0.99294	0.96667	0.84s
7077	0.27010	0.36618	0.73761	0.96667	0.84s
7078	0.30084	0.36698	0.81980	0.96667	0.83s
7079	0.27911	0.49568	0.56308	0.90000	0.84s
7080	0.27588	0.27084	1.01859	1.00000	0.85s
7081	0.31153	0.27036	1.15228	1.00000	0.84s
7082	0.33551	0.30244	1.10937	1.00000	0.85s
7083	0.28362	0.37172	0.76298	0.96667	0.84s
7084	0.28298	0.30540	0.92658	1.00000	0.84s
7085	0.29018	0.31379	0.92475	1.00000	0.84s
7086	0.28446	0.28504	0.99795	1.00000	0.84s
7087	0.34484	0.30678	1.12404	0.96667	0.84s
7088	0.30243	0.27694	1.09204	1.00000	0.85s
7089	0.31066	0.27087	1.14691	1.00000	0.84s
7090	0.31400	0.27008	1.16258	1.00000	0.84s
7091	0.29660	0.30515	0.97198	0.96667	0.85s
7092	0.29338	0.28789	1.01909	1.00000	0.85s
7093	0.29471	0.28613	1.03000	1.00000	0.84s
7094	0.29900	0.38474	0.77715	0.93333	0.85s
7095	0.28025	0.35993	0.77863	0.96667	0.84s
7096	0.32262	0.32594	0.98983	0.96667	0.85s
7097	0.28512	0.33051	0.86265	1.00000	0.85s

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   7098       0.32862       0.46156       0.71198       0.96667  0.84s
   7099       0.29135       0.33690       0.86479       0.96667  0.86s
   7100       0.38247       0.39381       0.97121       0.96667  0.84s
Regularization term: 0.261559665203
2016-07-02 17:46:32,955 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:46:39,057 - root - INFO - Duration of validation: 0:00:06
   7101       0.29918       0.27090       1.10439       1.00000  0.86s
   7102       0.27475       0.34701       0.79178       0.96667  0.84s
   7103       0.26872       0.28671       0.93726       1.00000  0.84s
   7104       0.27725       0.28881       0.95996       1.00000  0.84s
   7105       0.27574       0.35981       0.76635       0.96667  0.85s
   7106       0.29982       0.30065       0.99724       0.96667  0.85s
   7107       0.32824       0.27371       1.19923       1.00000  0.84s
   7108       0.32129       0.33846       0.94927       1.00000  0.84s
   7109       0.28557       0.27560       1.03616       1.00000  0.84s
   7110       0.30124       0.27681       1.08827       1.00000  0.84s
   7111       0.30341       0.27450       1.10530       1.00000  0.84s
   7112       0.35664       0.27245       1.30902       1.00000  0.84s
   7113       0.28678       0.28434       1.00855       1.00000  0.85s
   7114       0.27302       0.29937       0.91196       1.00000  0.85s
   7115       0.27321       0.52948       0.51599       0.96667  0.85s
   7116       0.33180       0.30700       1.08080       0.96667  0.85s
   7117       0.27505       0.27446       1.00212       1.00000  0.84s
   7118       0.27005       0.28066       0.96220       1.00000  0.85s
   7119       0.28145       0.27461       1.02491       1.00000  0.83s
   7120       0.32044       0.28371       1.12947       1.00000  0.85s
   7121       0.30878       0.29349       1.05209       1.00000  0.84s
   7122       0.28571       0.27794       1.02797       1.00000  0.85s
   7123       0.27573       0.27753       0.99353       1.00000  0.85s
   7124       0.28995       0.27415       1.05766       1.00000  0.85s
   7125       0.30342       0.27588       1.09983       1.00000  0.84s
   7126       0.29999       0.27726       1.08197       1.00000  0.84s
   7127       0.28206       0.28139       1.00236       1.00000  0.85s
   7128       0.28703       0.34123       0.84116       0.96667  0.84s
   7129       0.28491       0.32950       0.86466       0.96667  0.85s
   7130       0.27853       0.32779       0.84972       0.96667  0.85s
   7131       0.29624       0.27256       1.08686       1.00000  0.84s
   7132       0.28731       0.28323       1.01440       1.00000  0.84s
   7133       0.32418       0.31072       1.04330       1.00000  0.84s
   7134       0.34305       0.35079       0.97794       0.93333  0.83s
   7135       0.26813       0.27522       0.97425       1.00000  0.84s
   7136       0.27982       0.28499       0.98188       1.00000  0.85s
   7137       0.27368       0.45490       0.60162       0.96667  0.84s
   7138       0.29381       0.27639       1.06304       1.00000  0.84s
   7139       0.29653       0.34204       0.86693       0.96667  0.85s
   7140       0.29900       0.29191       1.02428       1.00000  0.85s
   7141       0.33519       0.27631       1.21309       1.00000  0.84s
   7142       0.27159       0.28979       0.93718       1.00000  0.84s
   7143       0.36118       0.27204       1.32766       1.00000  0.83s
   7144       0.29232       0.34723       0.84186       0.96667  0.84s
   7145       0.29713       0.27433       1.08310       1.00000  0.86s
   7146       0.30867       0.30918       0.99834       1.00000  0.84s
   7147       0.31784       0.27835       1.14188       1.00000  0.84s
   7148       0.29430       0.30316       0.97077       0.96667  0.84s
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   7149       0.30026       0.37277       0.80549       0.96667  0.86s
   7150       0.27720       0.28153       0.98460       1.00000  0.85s
   7151       0.28609       0.31169       0.91786       1.00000  0.83s
   7152       0.28795       0.28121       1.02395       1.00000  0.85s
   7153       0.31441       0.26680       1.17847       1.00000  0.86s
   7154       0.32149       0.34251       0.93860       0.93333  0.85s
   7155       0.28938       0.27818       1.04027       1.00000  0.85s
   7156       0.29697       0.29910       0.99288       1.00000  0.84s
   7157       0.34674       0.28305       1.22502       1.00000  0.85s
   7158       0.34965       0.30535       1.14508       0.96667  0.85s
   7159       0.36563       0.44367       0.82410       0.96667  0.84s
   7160       0.30649       0.36723       0.83460       0.96667  0.85s
   7161       0.28966       0.34525       0.83897       0.96667  0.85s
   7162       0.32702       0.35538       0.92020       0.96667  0.86s
   7163       0.27948       0.37237       0.75054       0.96667  0.85s
   7164       0.29838       0.29803       1.00118       1.00000  0.85s
   7165       0.29354       0.27873       1.05312       1.00000  0.83s
   7166       0.28018       0.37840       0.74043       0.96667  0.84s
   7167       0.27385       0.30106       0.90963       1.00000  0.84s
   7168       0.30617       0.34350       0.89134       0.96667  0.85s
   7169       0.27390       0.33243       0.82395       0.96667  0.85s
   7170       0.32404       0.30540       1.06106       1.00000  0.85s
   7171       0.27634       0.36882       0.74924       0.96667  0.84s
   7172       0.30898       0.30796       1.00333       1.00000  0.85s
   7173       0.28283       0.45061       0.62766       0.93333  0.84s
   7174       0.30514       0.27890       1.09409       1.00000  0.84s
   7175       0.27535       0.35121       0.78399       0.96667  0.84s
   7176       0.30874       0.28257       1.09262       1.00000  0.85s
   7177       0.31614       0.34275       0.92235       1.00000  0.86s
   7178       0.32951       0.29390       1.12115       1.00000  0.85s
   7179       0.26856       0.27875       0.96344       1.00000  0.85s
   7180       0.33043       0.27798       1.18867       1.00000  0.85s
   7181       0.29095       0.43572       0.66774       0.90000  0.85s
   7182       0.28342       0.30955       0.91558       1.00000  0.85s
   7183       0.29358       0.27694       1.06010       1.00000  0.85s
   7184       0.28046       0.34960       0.80224       0.96667  0.85s
   7185       0.32800       0.29390       1.11605       1.00000  0.85s
   7186       0.33001       0.28633       1.15254       1.00000  0.85s
   7187       0.30940       0.27658       1.11869       1.00000  0.84s
   7188       0.34136       0.31730       1.07582       0.96667  0.84s
   7189       0.28074       0.27236       1.03076       1.00000  0.85s
   7190       0.32174       0.30071       1.06991       1.00000  0.84s
   7191       0.27863       0.28957       0.96221       1.00000  0.84s
   7192       0.28203       0.31954       0.88262       0.96667  0.85s
   7193       0.27856       0.28141       0.98989       1.00000  0.85s
   7194       0.27775       0.32144       0.86409       1.00000  0.85s
   7195       0.32157       0.32250       0.99711       0.96667  0.85s
   7196       0.28567       0.27212       1.04979       1.00000  0.85s
   7197       0.27427       0.32013       0.85674       1.00000  0.84s
   7198       0.34557       0.30768       1.12314       1.00000  0.84s
   7199       0.28263       0.35779       0.78994       0.96667  0.84s
   7200       0.33237       0.28141       1.18109       1.00000  0.84s
Regularization term: 0.261194944382
2016-07-02 17:48:12,062 - root - INFO - Duration of saving to disk: 0:00:06
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2016-07-02 17:48:17,832 - root - INFO - Duration of validation: 0:00:05
   7201       0.28810       0.31167       0.92436       0.96667  0.84s
   7202       0.28716       0.28081       1.02262       1.00000  0.85s
   7203       0.29817       0.28724       1.03807       1.00000  0.85s
   7204       0.31138       0.36741       0.84751       0.96667  0.84s
   7205       0.29825       0.28002       1.06507       1.00000  0.84s
   7206       0.29991       0.28390       1.05639       1.00000  0.84s
   7207       0.28799       0.33231       0.86663       0.96667  0.84s
   7208       0.28595       0.27275       1.04840       1.00000  0.84s
   7209       0.27692       0.28378       0.97581       1.00000  0.84s
   7210       0.28253       0.49474       0.57107       0.86667  0.85s
   7211       0.28938       0.36073       0.80222       0.96667  0.85s
   7212       0.27379       0.27177       1.00744       1.00000  0.85s
   7213       0.33371       0.34828       0.95817       0.96667  0.85s
   7214       0.28981       0.30904       0.93779       1.00000  0.85s
   7215       0.38010       0.34593       1.09876       0.96667  0.85s
   7216       0.32290       0.31473       1.02594       1.00000  0.85s
   7217       0.28417       0.30417       0.93424       1.00000  0.85s
   7218       0.27574       0.46473       0.59335       0.93333  0.85s
   7219       0.31256       0.40197       0.77757       0.93333  0.85s
   7220       0.29682       0.32928       0.90144       0.96667  0.85s
   7221       0.32338       0.34124       0.94767       1.00000  0.85s
   7222       0.33873       0.44432       0.76235       0.96667  0.84s
   7223       0.28645       0.28670       0.99913       1.00000  0.84s
   7224       0.28656       0.31644       0.90557       1.00000  0.85s
   7225       0.29344       0.29851       0.98302       1.00000  0.85s
   7226       0.28110       0.29755       0.94471       1.00000  0.85s
   7227       0.28402       0.36445       0.77932       0.96667  0.84s
   7228       0.29617       0.38810       0.76313       0.96667  0.85s
   7229       0.27710       0.36750       0.75402       0.96667  0.85s
   7230       0.30966       0.31096       0.99582       1.00000  0.85s
   7231       0.29819       0.27146       1.09846       1.00000  0.85s
   7232       0.31736       0.31431       1.00972       1.00000  0.85s
   7233       0.29668       0.32756       0.90572       1.00000  0.85s
   7234       0.32278       0.31689       1.01857       0.96667  0.85s
   7235       0.29851       0.40693       0.73357       0.93333  0.84s
   7236       0.33846       0.27944       1.21119       1.00000  0.84s
   7237       0.28537       0.28555       0.99937       1.00000  0.84s
   7238       0.31033       0.29828       1.04040       1.00000  0.84s
   7239       0.32234       0.35981       0.89588       0.96667  0.84s
   7240       0.29421       0.27640       1.06446       1.00000  0.85s
   7241       0.28338       0.29085       0.97431       1.00000  0.85s
   7242       0.30450       0.33000       0.92270       0.96667  0.84s
   7243       0.31816       0.36199       0.87892       0.96667  0.85s
   7244       0.29315       0.27650       1.06020       1.00000  0.84s
   7245       0.30654       0.32647       0.93896       0.96667  0.85s
   7246       0.28466       0.28065       1.01429       1.00000  0.85s
   7247       0.29626       0.35423       0.83635       0.93333  0.84s
   7248       0.29681       0.28418       1.04445       1.00000  0.84s
   7249       0.28809       0.27664       1.04138       1.00000  0.85s
   7250       0.29143       0.42800       0.68090       0.93333  0.85s
   7251       0.28309       0.44966       0.62956       0.93333  0.84s
   7252       0.28768       0.27299       1.05384       1.00000  0.85s
   7253       0.31347       0.35740       0.87708       0.96667  0.85s
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   7254       0.28345       0.26847       1.05581       1.00000  0.84s
   7255       0.27746       0.31929       0.86900       0.96667  0.83s
   7256       0.27328       0.28768       0.94993       1.00000  0.85s
   7257       0.26791       0.29003       0.92373       1.00000  0.85s
   7258       0.28768       0.27250       1.05572       1.00000  0.85s
   7259       0.31300       0.27667       1.13130       1.00000  0.85s
   7260       0.27702       0.26579       1.04226       1.00000  0.85s
   7261       0.33331       0.27247       1.22331       1.00000  0.85s
   7262       0.27660       0.31221       0.88593       1.00000  0.84s
   7263       0.30052       0.27529       1.09166       1.00000  0.84s
   7264       0.27134       0.27857       0.97403       1.00000  0.84s
   7265       0.28862       0.33795       0.85402       0.96667  0.85s
   7266       0.28363       0.29654       0.95649       1.00000  0.84s
   7267       0.31172       0.26866       1.16027       1.00000  0.85s
   7268       0.29876       0.27816       1.07403       1.00000  0.84s
   7269       0.31951       0.34340       0.93045       0.96667  0.85s
   7270       0.30198       0.32063       0.94183       1.00000  0.84s
   7271       0.27081       0.29351       0.92265       1.00000  0.84s
   7272       0.29766       0.27374       1.08741       1.00000  0.85s
   7273       0.30184       0.28704       1.05153       1.00000  0.85s
   7274       0.33547       0.27579       1.21642       1.00000  0.84s
   7275       0.29052       0.30394       0.95585       1.00000  0.85s
   7276       0.27453       0.32647       0.84090       0.96667  0.85s
   7277       0.27191       0.28063       0.96893       1.00000  0.83s
   7278       0.29858       0.28439       1.04992       1.00000  0.84s
   7279       0.29818       0.26818       1.11185       1.00000  0.85s
   7280       0.28399       0.36080       0.78712       0.96667  0.85s
   7281       0.33955       0.26772       1.26832       1.00000  0.84s
   7282       0.29452       0.27392       1.07521       1.00000  0.85s
   7283       0.28608       0.30205       0.94714       1.00000  0.83s
   7284       0.28912       0.31084       0.93010       1.00000  0.85s
   7285       0.28811       0.32702       0.88101       1.00000  0.85s
   7286       0.29294       0.29594       0.98988       0.96667  0.84s
   7287       0.28099       0.34952       0.80392       0.96667  0.85s
   7288       0.27569       0.26933       1.02363       1.00000  0.84s
   7289       0.28100       0.28313       0.99245       1.00000  0.84s
   7290       0.28584       0.27429       1.04211       1.00000  0.84s
   7291       0.28399       0.49876       0.56940       0.96667  0.85s
   7292       0.28142       0.27719       1.01525       1.00000  0.84s
   7293       0.28296       0.28964       0.97693       1.00000  0.84s
   7294       0.28786       0.28241       1.01929       1.00000  0.85s
   7295       0.33461       0.27086       1.23535       1.00000  0.83s
   7296       0.29698       0.30851       0.96263       1.00000  0.85s
   7297       0.32552       0.39055       0.83349       0.96667  0.84s
   7298       0.28187       0.27234       1.03499       1.00000  0.84s
   7299       0.32726       0.29759       1.09967       1.00000  0.85s
   7300       0.31841       0.27490       1.15826       1.00000  0.85s
Regularization term: 0.262506753206
2016-07-02 17:49:49,712 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:49:54,738 - root - INFO - Duration of validation: 0:00:05
   7301       0.26912       0.27039       0.99533       1.00000  0.84s
   7302       0.28265       0.29312       0.96429       1.00000  0.83s
   7303       0.28415       0.30214       0.94045       1.00000  0.84s
   7304       0.27953       0.30683       0.91105       1.00000  0.86s
```

7305	0.31250	0.27189	1.14937	1.00000	0.84s
7306	0.28111	0.37687	0.74590	0.96667	0.84s
7307	0.29549	0.29744	0.99344	1.00000	0.85s
7308	0.29206	0.29682	0.98397	1.00000	0.84s
7309	0.44640	0.53432	0.83544	0.93333	0.85s
7310	0.30091	0.28001	1.07464	1.00000	0.84s
7311	0.29736	0.33223	0.89506	0.96667	0.84s
7312	0.30330	0.27832	1.08976	1.00000	0.85s
7313	0.31558	0.28527	1.10628	1.00000	0.86s
7314	0.38034	0.40908	0.92974	0.96667	0.84s
7315	0.30887	0.29380	1.05130	1.00000	0.85s
7316	0.28917	0.27379	1.05618	1.00000	0.85s
7317	0.28250	0.27164	1.03997	1.00000	0.85s
7318	0.28305	0.27269	1.03799	1.00000	0.84s
7319	0.31600	0.31727	0.99600	1.00000	0.84s
7320	0.32153	0.29751	1.08075	1.00000	0.84s
7321	0.33428	0.28968	1.15395	1.00000	0.85s
7322	0.27150	0.29622	0.91657	1.00000	0.85s
7323	0.33022	0.26938	1.22586	1.00000	0.85s
7324	0.28788	0.31687	0.90850	1.00000	0.85s
7325	0.31205	0.53376	0.58463	0.96667	0.84s
7326	0.27620	0.28232	0.97830	1.00000	0.84s
7327	0.33029	0.28536	1.15745	1.00000	0.84s
7328	0.27346	0.36994	0.73920	0.93333	0.85s
7329	0.30004	0.35654	0.84152	0.96667	0.85s
7330	0.30390	0.31680	0.95927	0.96667	0.84s
7331	0.27606	0.29669	0.93048	1.00000	0.85s
7332	0.28156	0.32081	0.87764	1.00000	0.84s
7333	0.31337	0.27323	1.14693	1.00000	0.84s
7334	0.32271	0.26917	1.19893	1.00000	0.85s
7335	0.27912	0.40288	0.69282	0.96667	0.85s
7336	0.28853	0.27261	1.05840	1.00000	0.84s
7337	0.28146	0.34191	0.82320	0.96667	0.84s
7338	0.27354	0.31209	0.87650	0.96667	0.85s
7339	0.28421	0.28573	0.99469	1.00000	0.85s
7340	0.28408	0.29971	0.94787	0.96667	0.85s
7341	0.28837	0.26859	1.07364	1.00000	0.85s
7342	0.28785	0.30033	0.95843	1.00000	0.84s
7343	0.32908	0.32734	1.00533	1.00000	0.84s
7344	0.28689	0.27404	1.04690	1.00000	0.85s
7345	0.31070	0.28839	1.07738	1.00000	0.85s
7346	0.27480	0.27922	0.98418	1.00000	0.85s
7347	0.28582	0.33214	0.86054	0.96667	0.85s
7348	0.27737	0.26772	1.03607	1.00000	0.85s
7349	0.32127	0.30958	1.03774	1.00000	0.84s
7350	0.29728	0.27470	1.08219	1.00000	0.85s
7351	0.30859	0.26986	1.14351	1.00000	0.84s
7352	0.38306	0.30324	1.26324	1.00000	0.85s
7353	0.26957	0.35104	0.76791	0.96667	0.85s
7354	0.30889	0.27631	1.11789	1.00000	0.85s
7355	0.31322	0.33836	0.92572	1.00000	0.85s
7356	0.29390	0.29981	0.98028	1.00000	0.85s
7357	0.28655	0.26997	1.06145	1.00000	0.84s
7358	0.27752	0.28655	0.96848	1.00000	0.85s

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   7359       0.32297       0.27809       1.16139       1.00000  0.84s
   7360       0.30196       0.29207       1.03388       1.00000  0.85s
   7361       0.32670       0.27812       1.17467       1.00000  0.84s
   7362       0.30624       0.37595       0.81458       0.96667  0.84s
   7363       0.29093       0.27836       1.04514       1.00000  0.84s
   7364       0.31606       0.30066       1.05120       1.00000  0.85s
   7365       0.28989       0.27481       1.05489       1.00000  0.83s
   7366       0.28760       0.27128       1.06015       1.00000  0.84s
   7367       0.27508       0.27359       1.00544       1.00000  0.84s
   7368       0.27423       0.35159       0.77995       0.96667  0.84s
   7369       0.27953       0.27417       1.01954       1.00000  0.85s
   7370       0.28447       0.29103       0.97747       1.00000  0.85s
   7371       0.28059       0.30206       0.92894       1.00000  0.84s
   7372       0.36288       0.27266       1.33088       1.00000  0.84s
   7373       0.28712       0.29573       0.97091       1.00000  0.85s
   7374       0.28793       0.31231       0.92192       0.96667  0.84s
   7375       0.27733       0.28544       0.97159       1.00000  0.84s
   7376       0.29288       0.31775       0.92173       0.96667  0.86s
   7377       0.30656       0.29985       1.02237       0.96667  0.85s
   7378       0.27616       0.27383       1.00850       1.00000  0.84s
   7379       0.30553       0.29814       1.02477       1.00000  0.85s
   7380       0.28528       0.28540       0.99960       1.00000  0.85s
   7381       0.35477       0.37666       0.94188       0.96667  0.85s
   7382       0.34632       0.42867       0.80789       0.93333  0.83s
   7383       0.27975       0.67636       0.41362       0.90000  0.85s
   7384       0.27414       0.35837       0.76498       0.96667  0.84s
   7385       0.34109       0.27062       1.26043       1.00000  0.85s
   7386       0.31646       0.41655       0.75972       0.96667  0.85s
   7387       0.28262       0.31222       0.90517       0.96667  0.84s
   7388       0.28070       0.29651       0.94668       1.00000  0.85s
   7389       0.34900       0.39460       0.88445       0.96667  0.85s
   7390       0.31108       0.28620       1.08693       1.00000  0.85s
   7391       0.29481       0.28361       1.03952       1.00000  0.84s
   7392       0.29346       0.35463       0.82752       0.96667  0.84s
   7393       0.28297       0.33059       0.85597       0.96667  0.85s
   7394       0.29580       0.26965       1.09699       1.00000  0.84s
   7395       0.28226       0.27136       1.04018       1.00000  0.85s
   7396       0.36736       0.40252       0.91266       0.96667  0.84s
   7397       0.29791       0.27845       1.06989       1.00000  0.85s
   7398       0.29938       0.29170       1.02631       1.00000  0.84s
   7399       0.28168       0.30102       0.93575       1.00000  0.85s
   7400       0.33820       0.30842       1.09658       1.00000  0.84s
Regularization term: 0.262211561203
2016-07-02 17:51:26,609 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:51:32,529 - root - INFO - Duration of validation: 0:00:05
   7401       0.30927       0.28974       1.06740       1.00000  0.85s
   7402       0.29384       0.26896       1.09248       1.00000  0.86s
   7403       0.31490       0.27905       1.12845       1.00000  0.85s
   7404       0.28658       0.31759       0.90236       0.96667  0.84s
   7405       0.31327       0.28696       1.09168       1.00000  0.85s
   7406       0.29155       0.26978       1.08069       1.00000  0.84s
   7407       0.27828       0.27627       1.00725       1.00000  0.84s
   7408       0.29033       0.29602       0.98078       1.00000  0.84s
   7409       0.32707       0.28523       1.14670       1.00000  0.84s
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7410	0.30558	0.28082	1.08817	1.00000	0.85s
7411	0.28966	0.26877	1.07772	1.00000	0.85s
7412	0.28426	0.28254	1.00606	1.00000	0.86s
7413	0.30723	0.47270	0.64995	0.96667	0.85s
7414	0.28235	0.32727	0.86276	0.96667	0.84s
7415	0.31262	0.26877	1.16315	1.00000	0.84s
7416	0.28996	0.33750	0.85913	0.96667	0.85s
7417	0.28838	0.35161	0.82017	0.93333	0.85s
7418	0.29547	0.36081	0.81892	0.96667	0.84s
7419	0.27129	0.27560	0.98435	1.00000	0.85s
7420	0.28630	0.28321	1.01091	1.00000	0.85s
7421	0.28288	0.27805	1.01739	1.00000	0.85s
7422	0.29099	0.27458	1.05978	1.00000	0.84s
7423	0.33582	0.26698	1.25785	1.00000	0.84s
7424	0.33842	0.26773	1.26404	1.00000	0.84s
7425	0.27757	0.27990	0.99168	1.00000	0.85s
7426	0.29647	0.31033	0.95534	1.00000	0.85s
7427	0.27557	0.28709	0.95987	1.00000	0.84s
7428	0.28531	0.33287	0.85715	0.96667	0.84s
7429	0.27525	0.31351	0.87797	0.96667	0.84s
7430	0.29059	0.29089	0.99895	1.00000	0.85s
7431	0.29195	0.39046	0.74771	0.93333	0.84s
7432	0.27496	0.27414	1.00299	1.00000	0.84s
7433	0.31955	0.29134	1.09683	1.00000	0.85s
7434	0.28502	0.40440	0.70480	0.96667	0.85s
7435	0.30419	0.33181	0.91677	0.96667	0.84s
7436	0.35598	0.30575	1.16430	0.96667	0.84s
7437	0.28131	0.29437	0.95565	1.00000	0.84s
7438	0.30434	0.40605	0.74952	0.96667	0.85s
7439	0.33869	0.28021	1.20870	1.00000	0.84s
7440	0.34368	0.27372	1.25560	1.00000	0.85s
7441	0.28432	0.27721	1.02563	1.00000	0.84s
7442	0.27748	0.42940	0.64619	0.96667	0.84s
7443	0.28266	0.27200	1.03920	1.00000	0.85s
7444	0.36376	0.26577	1.36869	1.00000	0.84s
7445	0.31378	0.26904	1.16629	1.00000	0.84s
7446	0.27399	0.28531	0.96030	1.00000	0.84s
7447	0.28842	0.27845	1.03581	1.00000	0.85s
7448	0.28386	0.28056	1.01179	1.00000	0.85s
7449	0.28522	0.42598	0.66956	0.96667	0.85s
7450	0.28599	0.27170	1.05258	1.00000	0.84s
7451	0.28055	0.38742	0.72415	0.96667	0.84s
7452	0.28450	0.27516	1.03397	1.00000	0.86s
7453	0.27980	0.30841	0.90722	0.96667	0.84s
7454	0.27589	0.27050	1.01991	1.00000	0.85s
7455	0.27186	0.28513	0.95346	1.00000	0.84s
7456	0.28590	0.29036	0.98464	1.00000	0.85s
7457	0.29461	0.31069	0.94822	1.00000	0.84s
7458	0.37183	0.29782	1.24853	1.00000	0.84s
7459	0.27292	0.31951	0.85417	0.96667	0.85s
7460	0.28218	0.33996	0.83003	0.96667	0.85s
7461	0.31522	0.30128	1.04625	1.00000	0.85s
7462	0.33093	0.27902	1.18604	1.00000	0.85s
7463	0.31517	0.30795	1.02346	1.00000	0.84s

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   7464       0.30620       0.27251       1.12364       1.00000  0.85s
   7465       0.30026       0.28169       1.06591       1.00000  0.84s
   7466       0.42149       0.27016       1.56012       1.00000  0.85s
   7467       0.28111       0.31312       0.89775       1.00000  0.84s
   7468       0.27654       0.32474       0.85157       0.96667  0.86s
   7469       0.29232       0.32209       0.90755       0.96667  0.84s
   7470       0.31006       0.29986       1.03401       1.00000  0.84s
   7471       0.28564       0.28515       1.00169       1.00000  0.85s
   7472       0.29280       0.26734       1.09522       1.00000  0.85s
   7473       0.27348       0.27326       1.00082       1.00000  0.85s
   7474       0.26793       0.27181       0.98572       1.00000  0.84s
   7475       0.28794       0.31860       0.90375       1.00000  0.85s
   7476       0.28686       0.28921       0.99187       1.00000  0.85s
   7477       0.26825       0.38705       0.69305       0.96667  0.85s
   7478       0.27630       0.37364       0.73949       0.96667  0.85s
   7479       0.29554       0.27480       1.07546       1.00000  0.85s
   7480       0.32022       0.27614       1.15963       1.00000  0.85s
   7481       0.28537       0.30833       0.92555       1.00000  0.85s
   7482       0.29428       0.27714       1.06186       1.00000  0.84s
   7483       0.32670       0.29286       1.11556       1.00000  0.84s
   7484       0.28018       0.30556       0.91693       1.00000  0.85s
   7485       0.27744       0.30717       0.90320       1.00000  0.84s
   7486       0.31104       0.31497       0.98752       1.00000  0.84s
   7487       0.27937       0.30362       0.92014       1.00000  0.85s
   7488       0.28859       0.27084       1.06552       1.00000  0.84s
   7489       0.29756       0.28205       1.05501       1.00000  0.85s
   7490       0.29630       0.28492       1.03994       1.00000  0.84s
   7491       0.33829       0.36113       0.93675       0.96667  0.85s
   7492       0.32759       0.32982       0.99325       1.00000  0.84s
   7493       0.30744       0.34293       0.89652       0.96667  0.85s
   7494       0.29329       0.30206       0.97094       1.00000  0.86s
   7495       0.32495       0.31676       1.02585       0.96667  0.85s
   7496       0.28564       0.28124       1.01565       1.00000  0.85s
   7497       0.34149       0.28369       1.20375       1.00000  0.84s
   7498       0.28323       0.29405       0.96319       1.00000  0.84s
   7499       0.29768       0.27584       1.07920       1.00000  0.84s
   7500       0.30972       0.27920       1.10932       1.00000  0.83s
Regularization term: 0.262304961681
2016-07-02 17:53:04,514 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:53:10,351 - root - INFO - Duration of validation: 0:00:05
   7501       0.28957       0.37313       0.77607       0.96667  0.84s
   7502       0.28784       0.33926       0.84844       1.00000  0.84s
   7503       0.32417       0.29950       1.08236       1.00000  0.84s
   7504       0.34183       0.39034       0.87573       0.96667  0.85s
   7505       0.28485       0.31579       0.90203       0.96667  0.84s
   7506       0.26873       0.27154       0.98965       1.00000  0.85s
   7507       0.28980       0.33028       0.87746       1.00000  0.85s
   7508       0.27691       0.27387       1.01111       1.00000  0.85s
   7509       0.32643       0.30211       1.08051       0.96667  0.85s
   7510       0.27380       0.30024       0.91192       1.00000  0.84s
   7511       0.31178       0.34518       0.90324       1.00000  0.83s
   7512       0.30580       0.39144       0.78120       0.90000  0.84s
   7513       0.28216       0.28411       0.99313       1.00000  0.84s
   7514       0.30181       0.29047       1.03903       1.00000  0.84s
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7515	0.30128	0.28745	1.04810	1.00000	0.84s
7516	0.31968	0.29178	1.09563	1.00000	0.84s
7517	0.27491	0.41212	0.66705	0.93333	0.84s
7518	0.29272	0.33061	0.88540	1.00000	0.84s
7519	0.28956	0.32735	0.88454	0.96667	0.84s
7520	0.35654	0.33351	1.06905	0.96667	0.86s
7521	0.28468	0.28715	0.99139	1.00000	0.85s
7522	0.28698	0.27408	1.04706	1.00000	0.84s
7523	0.27492	0.26941	1.02044	1.00000	0.85s
7524	0.33966	0.29661	1.14515	1.00000	0.84s
7525	0.28980	0.27303	1.06140	1.00000	0.85s
7526	0.36070	0.31220	1.15533	1.00000	0.83s
7527	0.29857	0.27394	1.08989	1.00000	0.85s
7528	0.31414	0.34021	0.92337	0.96667	0.86s
7529	0.31611	0.27937	1.13151	1.00000	0.86s
7530	0.33006	0.27952	1.18082	1.00000	0.84s
7531	0.29671	0.30731	0.96553	1.00000	0.84s
7532	0.28615	0.27063	1.05736	1.00000	0.84s
7533	0.32965	0.29890	1.10289	1.00000	0.84s
7534	0.34379	0.29585	1.16204	0.96667	0.85s
7535	0.33697	0.28199	1.19495	1.00000	0.84s
7536	0.27692	0.26723	1.03629	1.00000	0.85s
7537	0.27885	0.30025	0.92872	1.00000	0.85s
7538	0.30491	0.27547	1.10685	1.00000	0.84s
7539	0.28405	0.30954	0.91765	0.96667	0.84s
7540	0.28897	0.31177	0.92688	0.96667	0.85s
7541	0.31211	0.27241	1.14576	1.00000	0.84s
7542	0.30031	0.27575	1.08905	1.00000	0.84s
7543	0.30820	0.29313	1.05143	1.00000	0.85s
7544	0.28966	0.32749	0.88448	0.96667	0.85s
7545	0.31267	0.27210	1.14907	1.00000	0.85s
7546	0.28921	0.33315	0.86813	0.96667	0.84s
7547	0.40019	0.33366	1.19942	1.00000	0.85s
7548	0.28507	0.30800	0.92554	0.96667	0.84s
7549	0.30047	0.29727	1.01075	1.00000	0.85s
7550	0.28232	0.32512	0.86834	0.96667	0.84s
7551	0.31966	0.35517	0.90000	1.00000	0.85s
7552	0.29122	0.32907	0.88499	1.00000	0.85s
7553	0.28068	0.39194	0.71613	0.96667	0.85s
7554	0.29455	0.45974	0.64069	0.96667	0.86s
7555	0.28328	0.29552	0.95861	1.00000	0.85s
7556	0.33431	0.28324	1.18031	1.00000	0.85s
7557	0.27444	0.27042	1.01487	1.00000	0.85s
7558	0.30047	0.33662	0.89259	0.96667	0.85s
7559	0.30607	0.30456	1.00494	1.00000	0.84s
7560	0.32095	0.31670	1.01343	0.96667	0.86s
7561	0.31021	0.30304	1.02365	0.96667	0.86s
7562	0.28029	0.27835	1.00698	1.00000	0.85s
7563	0.28058	0.28425	0.98707	1.00000	0.85s
7564	0.28045	0.33339	0.84120	0.96667	0.84s
7565	0.32631	0.33950	0.96115	0.96667	0.85s
7566	0.31653	0.27278	1.16038	1.00000	0.85s
7567	0.30297	0.29217	1.03696	1.00000	0.84s
7568	0.29099	0.32276	0.90156	0.96667	0.84s

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   7569       0.28460       0.60717       0.46873       0.96667  0.84s
   7570       0.30603       0.26928       1.13647       1.00000  0.85s
   7571       0.28442       0.34945       0.81390       0.96667  0.85s
   7572       0.33259       0.34918       0.95246       0.96667  0.86s
   7573       0.29840       0.27096       1.10127       1.00000  0.85s
   7574       0.31048       0.27824       1.11585       1.00000  0.84s
   7575       0.27948       0.26853       1.04079       1.00000  0.84s
   7576       0.34849       0.33600       1.03717       1.00000  0.86s
   7577       0.31504       0.31365       1.00444       0.96667  0.84s
   7578       0.27170       0.27547       0.98632       1.00000  0.84s
   7579       0.27682       0.28129       0.98408       1.00000  0.84s
   7580       0.27717       0.27103       1.02262       1.00000  0.83s
   7581       0.31171       0.49112       0.63470       0.96667  0.85s
   7582       0.36406       0.27606       1.31877       1.00000  0.85s
   7583       0.35272       0.30042       1.17409       1.00000  0.84s
   7584       0.28793       0.27335       1.05335       1.00000  0.85s
   7585       0.29667       0.28217       1.05139       1.00000  0.86s
   7586       0.28001       0.28908       0.96860       1.00000  0.84s
   7587       0.27393       0.29810       0.91894       1.00000  0.84s
   7588       0.33690       0.42062       0.80096       0.96667  0.85s
   7589       0.28539       0.27088       1.05356       1.00000  0.85s
   7590       0.36736       0.28591       1.28489       1.00000  0.84s
   7591       0.29063       0.28570       1.01723       1.00000  0.84s
   7592       0.29042       0.28060       1.03501       1.00000  0.85s
   7593       0.27614       0.28308       0.97550       1.00000  0.86s
   7594       0.30884       0.29185       1.05821       1.00000  0.85s
   7595       0.27405       0.27377       1.00100       1.00000  0.84s
   7596       0.27681       0.30926       0.89506       0.96667  0.85s
   7597       0.29067       0.33194       0.87568       1.00000  0.85s
   7598       0.29866       0.27424       1.08904       1.00000  0.84s
   7599       0.27730       0.29962       0.92551       1.00000  0.84s
   7600       0.31359       0.27895       1.12416       1.00000  0.84s
Regularization term: 0.263324290514
2016-07-02 17:54:43,473 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 17:54:49,273 - root - INFO - Duration of validation: 0:00:05
   7601       0.27380       0.30059       0.91088       1.00000  0.85s
   7602       0.31327       0.29804       1.05111       1.00000  0.84s
   7603       0.27528       0.29172       0.94365       1.00000  0.84s
   7604       0.28641       0.34921       0.82015       0.96667  0.85s
   7605       0.34308       0.29407       1.16667       1.00000  0.85s
   7606       0.36400       0.29191       1.24696       1.00000  0.85s
   7607       0.27710       0.31593       0.87711       0.96667  0.84s
   7608       0.35054       0.39253       0.89302       0.96667  0.85s
   7609       0.29350       0.36219       0.81034       0.96667  0.84s
   7610       0.36669       0.27215       1.34739       1.00000  0.85s
   7611       0.32120       0.27328       1.17537       1.00000  0.85s
   7612       0.39461       0.29366       1.34378       1.00000  0.85s
   7613       0.34847       0.29320       1.18850       1.00000  0.84s
   7614       0.30339       0.29691       1.02181       1.00000  0.85s
   7615       0.30397       0.30672       0.99103       0.96667  0.84s
   7616       0.29933       0.29722       1.00707       1.00000  0.84s
   7617       0.32359       0.29335       1.10311       1.00000  0.85s
   7618       0.29068       0.29086       0.99937       1.00000  0.85s
   7619       0.30343       0.34441       0.88101       0.96667  0.84s
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7620	0.28204	0.28991	0.97284	1.00000	0.85s
7621	0.32664	0.27802	1.17487	1.00000	0.85s
7622	0.28162	0.43974	0.64043	0.93333	0.84s
7623	0.27782	0.35000	0.79377	0.96667	0.85s
7624	0.29418	0.29415	1.00012	1.00000	0.85s
7625	0.28966	0.28351	1.02171	1.00000	0.85s
7626	0.30364	0.30093	1.00899	1.00000	0.86s
7627	0.42223	0.28373	1.48816	1.00000	0.85s
7628	0.30723	0.28664	1.07184	1.00000	0.84s
7629	0.38612	0.30513	1.26545	1.00000	0.84s
7630	0.29895	0.36939	0.80932	0.96667	0.84s
7631	0.28741	0.32168	0.89345	0.96667	0.84s
7632	0.28725	0.35022	0.82019	0.96667	0.85s
7633	0.34945	0.28743	1.21574	1.00000	0.84s
7634	0.30557	0.34103	0.89602	0.96667	0.83s
7635	0.29942	0.27621	1.08405	1.00000	0.84s
7636	0.30167	0.31121	0.96935	1.00000	0.85s
7637	0.31397	0.27945	1.12356	1.00000	0.85s
7638	0.28513	0.27905	1.02176	1.00000	0.85s
7639	0.29690	0.32981	0.90021	1.00000	0.85s
7640	0.29828	0.28020	1.06452	1.00000	0.84s
7641	0.28145	0.27298	1.03103	1.00000	0.85s
7642	0.28124	0.27263	1.03161	1.00000	0.85s
7643	0.29835	0.27174	1.09795	1.00000	0.85s
7644	0.30360	0.27455	1.10583	1.00000	0.85s
7645	0.28027	0.27144	1.03253	1.00000	0.85s
7646	0.32881	0.29678	1.10795	1.00000	0.85s
7647	0.28503	0.27613	1.03225	1.00000	0.84s
7648	0.32290	0.29275	1.10299	1.00000	0.84s
7649	0.31981	0.27222	1.17483	1.00000	0.85s
7650	0.33252	0.32218	1.03209	0.96667	0.85s
7651	0.27340	0.28334	0.96492	1.00000	0.84s
7652	0.48071	0.41734	1.15184	0.93333	0.85s
7653	0.37525	0.42675	0.87932	0.96667	0.84s
7654	0.32247	0.28972	1.11301	1.00000	0.85s
7655	0.28356	0.26880	1.05491	1.00000	0.84s
7656	0.29141	0.45723	0.63733	0.93333	0.85s
7657	0.29527	0.44396	0.66509	0.96667	0.85s
7658	0.33472	0.35376	0.94616	0.96667	0.85s
7659	0.33123	0.54802	0.60441	0.93333	0.84s
7660	0.29384	0.29456	0.99755	0.96667	0.85s
7661	0.33309	0.28980	1.14941	1.00000	0.84s
7662	0.32230	0.29488	1.09299	1.00000	0.84s
7663	0.27936	0.30524	0.91521	1.00000	0.85s
7664	0.28694	0.28857	0.99435	1.00000	0.85s
7665	0.27895	0.28510	0.97845	1.00000	0.84s
7666	0.32837	0.31102	1.05580	1.00000	0.84s
7667	0.34935	0.28810	1.21261	1.00000	0.85s
7668	0.28882	0.32404	0.89129	0.96667	0.85s
7669	0.28828	0.28001	1.02953	1.00000	0.85s
7670	0.28920	0.27325	1.05839	1.00000	0.84s
7671	0.39612	0.27019	1.46604	1.00000	0.85s
7672	0.32703	0.33669	0.97131	1.00000	0.85s
7673	0.28998	0.34840	0.83231	0.96667	0.85s

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   7674       0.28099       0.29347       0.95747       1.00000  0.85s
   7675       0.32159       0.33721       0.95369       0.96667  0.84s
   7676       0.31132       0.27400       1.13618       1.00000  0.85s
   7677       0.27739       0.27277       1.01694       1.00000  0.85s
   7678       0.28371       0.27453       1.03343       1.00000  0.85s
   7679       0.31289       0.28619       1.09326       1.00000  0.84s
   7680       0.28484       0.28695       0.99266       1.00000  0.85s
   7681       0.29359       0.26946       1.08954       1.00000  0.84s
   7682       0.33208       0.29119       1.14043       1.00000  0.84s
   7683       0.27450       0.28112       0.97647       1.00000  0.84s
   7684       0.29727       0.27855       1.06721       1.00000  0.84s
   7685       0.28114       0.32486       0.86541       0.96667  0.86s
   7686       0.29942       0.36044       0.83072       0.96667  0.85s
   7687       0.31192       0.27144       1.14911       1.00000  0.86s
   7688       0.28877       0.28205       1.02385       1.00000  0.85s
   7689       0.28365       0.28680       0.98904       1.00000  0.85s
   7690       0.28554       0.26861       1.06302       1.00000  0.86s
   7691       0.33221       0.30878       1.07586       1.00000  0.84s
   7692       0.28687       0.35786       0.80165       1.00000  0.85s
   7693       0.28496       0.33919       0.84012       0.96667  0.84s
   7694       0.28876       0.36433       0.79260       0.96667  0.85s
   7695       0.30848       0.28064       1.09918       1.00000  0.85s
   7696       0.28001       0.28865       0.97009       1.00000  0.85s
   7697       0.29947       0.28816       1.03924       1.00000  0.85s
   7698       0.28680       0.49607       0.57815       0.90000  0.84s
   7699       0.30125       0.31222       0.96487       1.00000  0.85s
   7700       0.29015       0.29258       0.99172       1.00000  0.84s
Regularization term: 0.264852941036
2016-07-02 17:56:21,359 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:56:26,399 - root - INFO - Duration of validation: 0:00:05
   7701       0.28987       0.27809       1.04234       1.00000  0.84s
   7702       0.29563       0.30601       0.96609       1.00000  0.84s
   7703       0.27624       0.30707       0.89960       0.96667  0.84s
   7704       0.29480       0.30733       0.95922       0.96667  0.85s
   7705       0.29396       0.28926       1.01623       1.00000  0.84s
   7706       0.30487       0.32491       0.93833       0.96667  0.85s
   7707       0.29207       0.27085       1.07833       1.00000  0.85s
   7708       0.29525       0.33866       0.87183       0.96667  0.84s
   7709       0.30295       0.37556       0.80667       0.96667  0.84s
   7710       0.31765       0.33158       0.95800       0.96667  0.85s
   7711       0.28515       0.29672       0.96102       1.00000  0.85s
   7712       0.27686       0.28530       0.97040       1.00000  0.84s
   7713       0.29257       0.30482       0.95983       1.00000  0.85s
   7714       0.27889       0.28992       0.96195       1.00000  0.84s
   7715       0.28270       0.27765       1.01821       1.00000  0.84s
   7716       0.29586       0.28135       1.05158       1.00000  0.85s
   7717       0.30472       0.27399       1.11215       1.00000  0.84s
   7718       0.28419       0.44247       0.64230       0.96667  0.84s
   7719       0.32082       0.30897       1.03834       1.00000  0.85s
   7720       0.29172       0.28326       1.02989       1.00000  0.86s
   7721       0.29177       0.39774       0.73357       0.93333  0.84s
   7722       0.33156       0.34943       0.94888       0.96667  0.84s
   7723       0.27797       0.30417       0.91387       1.00000  0.85s
   7724       0.33661       0.28340       1.18777       1.00000  0.84s
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7725	0.33420	0.28576	1.16952	1.00000	0.85s
7726	0.34605	0.27179	1.27321	1.00000	0.85s
7727	0.36707	0.27858	1.31764	1.00000	0.85s
7728	0.27895	0.31469	0.88643	1.00000	0.86s
7729	0.29901	0.27598	1.08346	1.00000	0.86s
7730	0.33244	0.28025	1.18626	1.00000	0.84s
7731	0.28547	0.35331	0.80799	0.96667	0.84s
7732	0.29372	0.27606	1.06396	1.00000	0.86s
7733	0.31334	0.29511	1.06180	1.00000	0.85s
7734	0.30005	0.37421	0.80182	0.93333	0.84s
7735	0.31921	0.27613	1.15601	1.00000	0.84s
7736	0.27824	0.49557	0.56146	0.96667	0.85s
7737	0.29576	0.28415	1.04084	1.00000	0.85s
7738	0.27995	0.27495	1.01819	1.00000	0.85s
7739	0.28647	0.29942	0.95678	1.00000	0.84s
7740	0.31233	0.30334	1.02964	1.00000	0.84s
7741	0.28290	0.40548	0.69769	0.93333	0.84s
7742	0.31825	0.27078	1.17532	1.00000	0.85s
7743	0.37597	0.27076	1.38856	1.00000	0.84s
7744	0.27791	0.32171	0.86387	0.96667	0.85s
7745	0.28564	0.29478	0.96899	1.00000	0.84s
7746	0.29386	0.27529	1.06747	1.00000	0.85s
7747	0.32000	0.28767	1.11238	1.00000	0.85s
7748	0.29628	0.27978	1.05897	1.00000	0.85s
7749	0.27457	0.31447	0.87312	1.00000	0.85s
7750	0.30426	0.39696	0.76646	0.93333	0.84s
7751	0.36912	0.28115	1.31291	1.00000	0.85s
7752	0.28866	0.29680	0.97259	1.00000	0.86s
7753	0.30504	0.31124	0.98009	0.96667	0.85s
7754	0.27664	0.32569	0.84940	0.96667	0.85s
7755	0.36454	0.31281	1.16535	1.00000	0.84s
7756	0.35063	0.29677	1.18149	1.00000	0.85s
7757	0.28500	0.27760	1.02667	1.00000	0.85s
7758	0.31972	0.32320	0.98921	1.00000	0.84s
7759	0.29233	0.33322	0.87729	0.96667	0.84s
7760	0.36361	0.61771	0.58864	0.86667	0.85s
7761	0.28697	0.41879	0.68524	0.93333	0.85s
7762	0.29813	0.31083	0.95915	1.00000	0.85s
7763	0.31748	0.29354	1.08156	1.00000	0.85s
7764	0.30578	0.27704	1.10374	1.00000	0.85s
7765	0.29330	0.27036	1.08482	1.00000	0.85s
7766	0.28000	0.32893	0.85124	1.00000	0.84s
7767	0.30100	0.30493	0.98712	1.00000	0.86s
7768	0.30653	0.36762	0.83381	0.96667	0.85s
7769	0.31578	0.28330	1.11463	1.00000	0.85s
7770	0.28424	0.29501	0.96349	1.00000	0.84s
7771	0.32638	0.27190	1.20039	1.00000	0.84s
7772	0.35698	0.28411	1.25647	1.00000	0.84s
7773	0.28230	0.28874	0.97769	1.00000	0.85s
7774	0.28394	0.30493	0.93118	0.96667	0.85s
7775	0.31080	0.27231	1.14137	1.00000	0.85s
7776	0.29715	0.27335	1.08709	1.00000	0.84s
7777	0.29289	0.29612	0.98911	1.00000	0.86s
7778	0.29081	0.29069	1.00044	1.00000	0.85s

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   7779       0.34786       0.39144       0.88865       0.96667  0.85s
   7780       0.28706       0.29623       0.96902       1.00000  0.85s
   7781       0.30030       0.33041       0.90887       0.96667  0.85s
   7782       0.29173       0.29019       1.00531       1.00000  0.84s
   7783       0.29204       0.29876       0.97750       1.00000  0.85s
   7784       0.27872       0.29982       0.92963       1.00000  0.86s
   7785       0.27681       0.27270       1.01508       1.00000  0.84s
   7786       0.29460       0.28382       1.03796       1.00000  0.85s
   7787       0.27478       0.32459       0.84655       0.96667  0.85s
   7788       0.28165       0.29088       0.96827       1.00000  0.85s
   7789       0.32041       0.28258       1.13390       1.00000  0.85s
   7790       0.29856       0.37941       0.78689       0.96667  0.84s
   7791       0.28309       0.28191       1.00422       1.00000  0.85s
   7792       0.34165       0.30732       1.11169       1.00000  0.85s
   7793       0.31556       0.30026       1.05098       1.00000  0.85s
   7794       0.35413       0.38493       0.91996       0.96667  0.85s
   7795       0.27857       0.30014       0.92811       1.00000  0.85s
   7796       0.34441       0.27058       1.27286       1.00000  0.85s
   7797       0.30473       0.27055       1.12636       1.00000  0.84s
   7798       0.27958       0.28418       0.98380       1.00000  0.84s
   7799       0.32580       0.34761       0.93724       0.96667  0.85s
   7800       0.28384       0.27069       1.04858       1.00000  0.85s
Regularization term: 0.265156954527
2016-07-02 17:57:58,597 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:58:05,417 - root - INFO - Duration of validation: 0:00:06
   7801       0.27530       0.27315       1.00788       1.00000  0.86s
   7802       0.27440       0.27284       1.00575       1.00000  0.85s
   7803       0.27833       0.30989       0.89816       1.00000  0.84s
   7804       0.29070       0.37076       0.78406       0.96667  0.85s
   7805       0.31617       0.30042       1.05244       1.00000  0.85s
   7806       0.29224       0.28314       1.03213       1.00000  0.86s
   7807       0.28149       0.38152       0.73781       0.96667  0.84s
   7808       0.33985       0.30460       1.11573       1.00000  0.86s
   7809       0.28833       0.32028       0.90025       0.96667  0.85s
   7810       0.31434       0.36270       0.86667       0.96667  0.84s
   7811       0.27919       0.31598       0.88355       1.00000  0.84s
   7812       0.27817       0.27720       1.00350       1.00000  0.84s
   7813       0.29165       0.27166       1.07357       1.00000  0.85s
   7814       0.31242       0.32357       0.96555       0.96667  0.84s
   7815       0.35934       0.30755       1.16841       1.00000  0.85s
   7816       0.33842       0.30202       1.12051       1.00000  0.84s
   7817       0.31897       0.46200       0.69042       0.93333  0.85s
   7818       0.33778       0.38245       0.88321       0.96667  0.85s
   7819       0.28868       0.34842       0.82855       0.96667  0.84s
   7820       0.28477       0.31191       0.91300       1.00000  0.86s
   7821       0.31954       0.32463       0.98432       0.96667  0.84s
   7822       0.32374       0.37781       0.85690       0.96667  0.85s
   7823       0.27664       0.30979       0.89299       1.00000  0.84s
   7824       0.29930       0.27959       1.07049       1.00000  0.85s
   7825       0.28251       0.39874       0.70850       0.96667  0.86s
   7826       0.28998       0.30371       0.95478       1.00000  0.84s
   7827       0.31878       0.29070       1.09657       1.00000  0.85s
   7828       0.29164       0.29493       0.98884       1.00000  0.85s
   7829       0.30160       0.29593       1.01916       1.00000  0.85s
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7830	0.32712	0.30786	1.06254	1.00000	0.84s
7831	0.30948	0.29257	1.05780	1.00000	0.84s
7832	0.28102	0.28555	0.98415	1.00000	0.85s
7833	0.40544	0.43295	0.93646	0.96667	0.85s
7834	0.33611	0.49451	0.67967	0.90000	0.84s
7835	0.28897	0.32601	0.88638	0.96667	0.86s
7836	0.29824	0.38205	0.78063	0.96667	0.84s
7837	0.31627	0.28641	1.10426	1.00000	0.85s
7838	0.31496	0.31406	1.00289	1.00000	0.84s
7839	0.34041	0.29868	1.13971	1.00000	0.84s
7840	0.28579	0.28624	0.99842	1.00000	0.85s
7841	0.28371	0.29190	0.97195	1.00000	0.84s
7842	0.30090	0.30536	0.98539	1.00000	0.84s
7843	0.28721	0.47281	0.60745	0.93333	0.85s
7844	0.30959	0.28115	1.10116	1.00000	0.84s
7845	0.33653	0.33221	1.01299	0.96667	0.85s
7846	0.43798	0.30198	1.45037	1.00000	0.85s
7847	0.30295	0.28094	1.07836	1.00000	0.84s
7848	0.28877	0.28500	1.01320	1.00000	0.86s
7849	0.29973	0.55002	0.54494	0.96667	0.85s
7850	0.32470	0.36804	0.88225	0.96667	0.85s
7851	0.32136	0.41181	0.78035	0.90000	0.84s
7852	0.29421	0.32063	0.91758	0.96667	0.85s
7853	0.40305	0.30027	1.34231	1.00000	0.85s
7854	0.30040	0.51335	0.58519	0.90000	0.84s
7855	0.28926	0.33801	0.85578	1.00000	0.86s
7856	0.29517	0.28447	1.03762	1.00000	0.86s
7857	0.31043	0.28973	1.07143	1.00000	0.85s
7858	0.30408	0.28275	1.07543	1.00000	0.84s
7859	0.31890	0.27776	1.14812	1.00000	0.85s
7860	0.28109	0.29657	0.94779	1.00000	0.85s
7861	0.31639	0.29849	1.05997	1.00000	0.85s
7862	0.30327	0.27565	1.10019	1.00000	0.83s
7863	0.35609	0.37205	0.95710	0.93333	0.84s
7864	0.31227	0.32510	0.96053	1.00000	0.85s
7865	0.28694	0.32094	0.89405	1.00000	0.85s
7866	0.29933	0.33976	0.88102	0.96667	0.85s
7867	0.33168	0.28399	1.16794	1.00000	0.84s
7868	0.28658	0.27643	1.03670	1.00000	0.85s
7869	0.29495	0.29911	0.98610	1.00000	0.84s
7870	0.30115	0.34162	0.88156	0.96667	0.85s
7871	0.30776	0.27029	1.13863	1.00000	0.85s
7872	0.28072	0.29247	0.95985	1.00000	0.84s
7873	0.33872	0.42803	0.79136	0.90000	0.84s
7874	0.30751	0.30627	1.00404	1.00000	0.85s
7875	0.27662	0.28138	0.98311	1.00000	0.85s
7876	0.37893	0.28665	1.32193	1.00000	0.84s
7877	0.32566	0.28938	1.12537	1.00000	0.85s
7878	0.31712	0.28685	1.10553	1.00000	0.84s
7879	0.33050	0.27547	1.19975	1.00000	0.84s
7880	0.30699	0.40490	0.75819	0.96667	0.85s
7881	0.33838	0.28510	1.18686	1.00000	0.86s
7882	0.28992	0.31358	0.92454	1.00000	0.84s
7883	0.30423	0.29294	1.03856	1.00000	0.85s

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   7884       0.29718       0.27589       1.07717       1.00000  0.84s
   7885       0.35281       0.39562       0.89180       0.96667  0.84s
   7886       0.32794       0.28982       1.13154       1.00000  0.84s
   7887       0.28247       0.31675       0.89178       0.96667  0.84s
   7888       0.29744       0.27777       1.07079       1.00000  0.85s
   7889       0.30030       0.32146       0.93418       1.00000  0.85s
   7890       0.32010       0.35328       0.90609       0.96667  0.84s
   7891       0.30783       0.27786       1.10786       1.00000  0.84s
   7892       0.29762       0.32053       0.92853       0.96667  0.85s
   7893       0.35939       0.29364       1.22390       1.00000  0.85s
   7894       0.31539       0.27934       1.12904       1.00000  0.85s
   7895       0.33390       0.33661       0.99194       0.96667  0.85s
   7896       0.30404       0.29563       1.02845       1.00000  0.84s
   7897       0.28662       0.33868       0.84629       0.96667  0.85s
   7898       0.28626       0.41062       0.69714       0.96667  0.84s
   7899       0.30816       0.28680       1.07448       1.00000  0.85s
   7900       0.30556       0.29159       1.04792       1.00000  0.84s
Regularization term: 0.265772849321
2016-07-02 17:59:37,618 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 17:59:43,482 - root - INFO - Duration of validation: 0:00:05
   7901       0.29053       0.29553       0.98307       1.00000  0.86s
   7902       0.31124       0.34478       0.90272       0.96667  0.85s
   7903       0.32316       0.27544       1.17325       1.00000  0.85s
   7904       0.30947       0.28511       1.08543       1.00000  0.85s
   7905       0.28316       0.28398       0.99711       1.00000  0.85s
   7906       0.35220       0.33730       1.04415       0.96667  0.85s
   7907       0.35504       0.29595       1.19965       1.00000  0.85s
   7908       0.33151       0.33786       0.98120       0.96667  0.85s
   7909       0.28452       0.31231       0.91103       1.00000  0.84s
   7910       0.30887       0.43366       0.71225       0.90000  0.85s
   7911       0.29375       0.35914       0.81794       0.96667  0.85s
   7912       0.31998       0.34521       0.92691       0.96667  0.85s
   7913       0.29774       0.33259       0.89523       0.96667  0.85s
   7914       0.33671       0.27850       1.20901       1.00000  0.84s
   7915       0.29766       0.31543       0.94366       0.96667  0.85s
   7916       0.29812       0.31833       0.93649       0.96667  0.84s
   7917       0.31460       0.35215       0.89340       1.00000  0.85s
   7918       0.29400       0.36122       0.81391       0.96667  0.86s
   7919       0.30943       0.27375       1.13033       1.00000  0.83s
   7920       0.37386       0.28333       1.31955       1.00000  0.85s
   7921       0.30313       0.28730       1.05509       1.00000  0.84s
   7922       0.36788       0.34211       1.07535       0.96667  0.85s
   7923       0.29966       0.31709       0.94504       0.96667  0.86s
   7924       0.31661       0.27143       1.16646       1.00000  0.84s
   7925       0.28276       0.32129       0.88005       0.96667  0.84s
   7926       0.29839       0.28359       1.05216       1.00000  0.84s
   7927       0.31932       0.27179       1.17485       1.00000  0.85s
   7928       0.36813       0.30597       1.20314       1.00000  0.85s
   7929       0.28900       0.28600       1.01049       1.00000  0.86s
   7930       0.35222       0.33922       1.03832       0.96667  0.85s
   7931       0.29937       0.29124       1.02790       1.00000  0.84s
   7932       0.28766       0.33456       0.85983       0.96667  0.85s
   7933       0.38694       0.28413       1.36181       1.00000  0.85s
   7934       0.32444       0.28770       1.12771       1.00000  0.84s
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7935	0.28654	0.30854	0.92869	1.00000	0.85s
7936	0.31689	0.29637	1.06924	1.00000	0.85s
7937	0.30683	0.29704	1.03294	1.00000	0.84s
7938	0.31559	0.54509	0.57897	0.93333	0.86s
7939	0.28665	0.29028	0.98750	1.00000	0.86s
7940	0.29956	0.31084	0.96373	1.00000	0.84s
7941	0.31978	0.30651	1.04330	1.00000	0.84s
7942	0.28614	0.35465	0.80681	0.96667	0.84s
7943	0.35177	0.27826	1.26417	1.00000	0.84s
7944	0.28391	0.28806	0.98561	1.00000	0.85s
7945	0.32799	0.28079	1.16809	1.00000	0.85s
7946	0.30337	0.31935	0.94996	0.96667	0.84s
7947	0.30676	0.27765	1.10485	1.00000	0.86s
7948	0.28678	0.35050	0.81821	0.96667	0.84s
7949	0.32676	0.31978	1.02185	1.00000	0.84s
7950	0.31908	0.38143	0.83653	0.96667	0.84s
7951	0.29487	0.29283	1.00696	1.00000	0.85s
7952	0.29309	0.35645	0.82225	0.96667	0.85s
7953	0.31193	0.34233	0.91120	0.96667	0.85s
7954	0.30292	0.53909	0.56192	0.90000	0.85s
7955	0.37390	0.33290	1.12317	0.96667	0.84s
7956	0.30598	0.29518	1.03659	1.00000	0.85s
7957	0.35138	0.32852	1.06959	0.96667	0.85s
7958	0.27625	0.29114	0.94884	1.00000	0.84s
7959	0.27602	0.29505	0.93549	1.00000	0.84s
7960	0.27563	0.32257	0.85448	1.00000	0.86s
7961	0.34234	0.29638	1.15507	1.00000	0.84s
7962	0.31217	0.31346	0.99590	1.00000	0.84s
7963	0.28887	0.33123	0.87213	0.96667	0.85s
7964	0.32692	0.30269	1.08002	1.00000	0.84s
7965	0.31012	0.30611	1.01308	1.00000	0.84s
7966	0.29250	0.31801	0.91977	1.00000	0.84s
7967	0.31737	0.29030	1.09323	1.00000	0.84s
7968	0.27599	0.30180	0.91448	1.00000	0.85s
7969	0.28447	0.33596	0.84674	1.00000	0.85s
7970	0.28534	0.30300	0.94170	0.96667	0.84s
7971	0.29146	0.28619	1.01845	1.00000	0.85s
7972	0.30486	0.33670	0.90543	1.00000	0.85s
7973	0.27735	0.27565	1.00618	1.00000	0.84s
7974	0.31253	0.28089	1.11263	1.00000	0.84s
7975	0.30340	0.38806	0.78185	0.96667	0.84s
7976	0.29001	0.27658	1.04857	1.00000	0.85s
7977	0.29547	0.33882	0.87204	0.96667	0.85s
7978	0.31015	0.28353	1.09390	1.00000	0.84s
7979	0.31620	0.34261	0.92291	1.00000	0.85s
7980	0.31706	0.38009	0.83416	0.96667	0.85s
7981	0.28680	0.29711	0.96529	1.00000	0.85s
7982	0.29601	0.32716	0.90479	1.00000	0.85s
7983	0.28207	0.31426	0.89757	1.00000	0.85s
7984	0.29845	0.39912	0.74776	0.96667	0.85s
7985	0.34201	0.47375	0.72192	0.96667	0.85s
7986	0.29386	0.29342	1.00152	1.00000	0.86s
7987	0.30573	0.27474	1.11277	1.00000	0.84s
7988	0.38973	0.38678	1.00763	0.96667	0.86s

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   7989       0.30491       0.30490       1.00004       1.00000  0.84s
   7990       0.29776       0.28737       1.03614       1.00000  0.85s
   7991       0.29841       0.29183       1.02253       1.00000  0.84s
   7992       0.28868       0.30719       0.93975       1.00000  0.85s
   7993       0.28545       0.28453       1.00323       1.00000  0.85s
   7994       0.35707       0.29720       1.20146       1.00000  0.84s
   7995       0.28818       0.27675       1.04131       1.00000  0.84s
   7996       0.28540       0.44330       0.64381       0.93333  0.85s
   7997       0.27945       0.27401       1.01985       1.00000  0.85s
   7998       0.30386       0.28142       1.07976       1.00000  0.86s
   7999       0.28859       0.28084       1.02757       1.00000  0.84s
   8000       0.32667       0.28934       1.12899       1.00000  0.86s
Regularization term: 0.267574220896
2016-07-02 18:01:16,718 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 18:01:23,892 - root - INFO - Duration of validation: 0:00:07
   8001       0.34956       0.32258       1.08363       0.96667  0.85s
   8002       0.34034       0.29193       1.16583       1.00000  0.85s
   8003       0.28807       0.27664       1.04130       1.00000  0.84s
   8004       0.28613       0.28360       1.00893       1.00000  0.85s
   8005       0.30899       0.29222       1.05739       1.00000  0.85s
   8006       0.28507       0.33162       0.85962       0.96667  0.85s
   8007       0.44254       0.30666       1.44306       1.00000  0.84s
   8008       0.32311       0.28525       1.13274       1.00000  0.84s
   8009       0.29052       0.27778       1.04588       1.00000  0.85s
   8010       0.32566       0.27828       1.17025       1.00000  0.84s
   8011       0.28442       0.29596       0.96099       1.00000  0.85s
   8012       0.29298       0.28087       1.04310       1.00000  0.84s
   8013       0.28350       0.27894       1.01634       1.00000  0.84s
   8014       0.41297       0.30418       1.35764       1.00000  0.84s
   8015       0.27761       0.31945       0.86904       0.96667  0.85s
   8016       0.28242       0.36411       0.77566       0.96667  0.84s
   8017       0.27702       0.28805       0.96172       1.00000  0.85s
   8018       0.33022       0.34801       0.94886       0.96667  0.84s
   8019       0.28121       0.28031       1.00324       1.00000  0.84s
   8020       0.29553       0.34947       0.84566       0.96667  0.85s
   8021       0.39896       0.28630       1.39352       1.00000  0.85s
   8022       0.33911       0.29279       1.15818       1.00000  0.85s
   8023       0.28317       0.29093       0.97333       1.00000  0.84s
   8024       0.28377       0.28850       0.98361       1.00000  0.85s
   8025       0.28787       0.31803       0.90516       0.96667  0.86s
   8026       0.28742       0.27653       1.03939       1.00000  0.84s
   8027       0.33916       0.29207       1.16123       1.00000  0.84s
   8028       0.29510       0.27332       1.07968       1.00000  0.84s
   8029       0.28251       0.28273       0.99921       1.00000  0.86s
   8030       0.35650       0.30315       1.17597       1.00000  0.84s
   8031       0.29384       0.31489       0.93316       1.00000  0.84s
   8032       0.30867       0.34312       0.89959       0.96667  0.84s
   8033       0.31429       0.27338       1.14967       1.00000  0.85s
   8034       0.30176       0.33646       0.89688       0.96667  0.84s
   8035       0.28649       0.30970       0.92505       0.96667  0.85s
   8036       0.28668       0.29071       0.98616       1.00000  0.85s
   8037       0.34705       0.28751       1.20707       1.00000  0.85s
   8038       0.31626       0.33899       0.93293       0.96667  0.84s
   8039       0.28203       0.27612       1.02142       1.00000  0.84s
```

8040	0.29481	0.29549	0.99769	1.00000	0.85s
8041	0.28567	0.28522	1.00157	1.00000	0.85s
8042	0.35988	0.35044	1.02693	0.96667	0.86s
8043	0.28721	0.29195	0.98378	1.00000	0.84s
8044	0.28472	0.27832	1.02298	1.00000	0.84s
8045	0.27949	0.27691	1.00933	1.00000	0.85s
8046	0.29975	0.27542	1.08834	1.00000	0.84s
8047	0.31411	0.28325	1.10893	1.00000	0.85s
8048	0.28458	0.32911	0.86470	0.96667	0.84s
8049	0.29924	0.27960	1.07021	1.00000	0.85s
8050	0.33820	0.30147	1.12184	1.00000	0.85s
8051	0.36207	0.27679	1.30809	1.00000	0.84s
8052	0.34424	0.28076	1.22614	1.00000	0.85s
8053	0.28779	0.27562	1.04414	1.00000	0.85s
8054	0.29691	0.27804	1.06788	1.00000	0.84s
8055	0.31433	0.38683	0.81258	0.93333	0.84s
8056	0.29723	0.33697	0.88208	0.96667	0.85s
8057	0.33490	0.30882	1.08445	1.00000	0.86s
8058	0.28807	0.29121	0.98921	1.00000	0.85s
8059	0.27841	0.28313	0.98334	1.00000	0.85s
8060	0.28658	0.28721	0.99783	1.00000	0.85s
8061	0.30491	0.27743	1.09904	1.00000	0.84s
8062	0.28940	0.39589	0.73100	0.96667	0.84s
8063	0.31514	0.34337	0.91779	0.96667	0.85s
8064	0.28923	0.28924	0.99996	1.00000	0.85s
8065	0.30883	0.32180	0.95969	0.96667	0.84s
8066	0.28460	0.36481	0.78012	0.96667	0.85s
8067	0.29474	0.30190	0.97627	1.00000	0.85s
8068	0.33141	0.33073	1.00204	0.96667	0.85s
8069	0.29956	0.36716	0.81586	0.96667	0.85s
8070	0.33740	0.30306	1.11333	1.00000	0.84s
8071	0.28860	0.29515	0.97781	1.00000	0.85s
8072	0.34164	0.28464	1.20028	1.00000	0.85s
8073	0.30140	0.30476	0.98897	1.00000	0.86s
8074	0.32781	0.40618	0.80705	0.96667	0.85s
8075	0.29441	0.29831	0.98693	1.00000	0.84s
8076	0.27639	0.28736	0.96182	1.00000	0.85s
8077	0.29047	0.33000	0.88020	0.96667	0.85s
8078	0.32327	0.27678	1.16796	1.00000	0.85s
8079	0.33396	0.30999	1.07731	1.00000	0.84s
8080	0.28569	0.28757	0.99344	1.00000	0.86s
8081	0.31616	0.27735	1.13991	1.00000	0.85s
8082	0.29478	0.30429	0.96875	1.00000	0.85s
8083	0.27670	0.27630	1.00144	1.00000	0.84s
8084	0.28857	0.36898	0.78207	0.93333	0.85s
8085	0.34461	0.30128	1.14380	1.00000	0.86s
8086	0.29477	0.27519	1.07118	1.00000	0.85s
8087	0.37619	0.30379	1.23832	0.96667	0.85s
8088	0.29691	0.28458	1.04333	1.00000	0.84s
8089	0.30042	0.27530	1.09127	1.00000	0.85s
8090	0.30109	0.29521	1.01989	1.00000	0.84s
8091	0.28302	0.34702	0.81557	0.96667	0.84s
8092	0.27778	0.45612	0.60901	0.96667	0.84s
8093	0.32260	0.29417	1.09664	1.00000	0.84s

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   8094       0.31565       0.28361       1.11297       1.00000  0.84s
   8095       0.29205       0.28501       1.02469       1.00000  0.84s
   8096       0.28899       0.28072       1.02945       1.00000  0.84s
   8097       0.28877       0.27412       1.05346       1.00000  0.84s
   8098       0.28164       0.39568       0.71178       0.96667  0.86s
   8099       0.33242       0.31633       1.05086       1.00000  0.85s
   8100       0.30759       0.31522       0.97578       0.96667  0.85s
Regularization term: 0.268449634314
2016-07-02 18:02:56,102 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 18:03:01,214 - root - INFO - Duration of validation: 0:00:05
   8101       0.35535       0.30319       1.17203       1.00000  0.86s
   8102       0.28830       0.29283       0.98454       1.00000  0.85s
   8103       0.28129       0.29907       0.94055       1.00000  0.84s
   8104       0.30069       0.32835       0.91577       1.00000  0.85s
   8105       0.31547       0.48253       0.65378       0.93333  0.84s
   8106       0.29331       0.29462       0.99553       1.00000  0.84s
   8107       0.30579       0.34182       0.89458       1.00000  0.85s
   8108       0.31404       0.34295       0.91570       0.96667  0.85s
   8109       0.28944       0.34251       0.84503       0.96667  0.85s
   8110       0.34783       0.35258       0.98653       0.96667  0.85s
   8111       0.29407       0.27590       1.06588       1.00000  0.84s
   8112       0.31622       0.30077       1.05136       1.00000  0.86s
   8113       0.31864       0.32095       0.99282       1.00000  0.85s
   8114       0.41117       0.36991       1.11154       0.93333  0.85s
   8115       0.28286       0.28559       0.99044       1.00000  0.84s
   8116       0.29686       0.40752       0.72844       0.96667  0.85s
   8117       0.27704       0.46870       0.59107       0.90000  0.85s
   8118       0.33960       0.28604       1.18724       1.00000  0.85s
   8119       0.30530       0.27482       1.11090       1.00000  0.84s
   8120       0.29670       0.29017       1.02251       1.00000  0.84s
   8121       0.31044       0.27894       1.11294       1.00000  0.84s
   8122       0.28662       0.27766       1.03225       1.00000  0.84s
   8123       0.31389       0.33799       0.92870       0.96667  0.84s
   8124       0.29075       0.27679       1.05045       1.00000  0.84s
   8125       0.29746       0.28722       1.03567       1.00000  0.85s
   8126       0.28993       0.32252       0.89898       1.00000  0.84s
   8127       0.37538       0.28647       1.31038       1.00000  0.85s
   8128       0.31870       0.30935       1.03022       1.00000  0.85s
   8129       0.35280       0.28122       1.25455       1.00000  0.85s
   8130       0.29194       0.33983       0.85908       0.96667  0.84s
   8131       0.27843       0.29094       0.95698       1.00000  0.84s
   8132       0.36571       0.28597       1.27883       1.00000  0.85s
   8133       0.28258       0.29881       0.94568       1.00000  0.84s
   8134       0.28958       0.30359       0.95386       1.00000  0.84s
   8135       0.30908       0.28304       1.09203       1.00000  0.85s
   8136       0.30960       0.30010       1.03166       1.00000  0.86s
   8137       0.29681       0.31661       0.93747       1.00000  0.85s
   8138       0.27417       0.27033       1.01419       1.00000  0.84s
   8139       0.28297       0.27631       1.02409       1.00000  0.84s
   8140       0.28499       0.28510       0.99959       1.00000  0.85s
   8141       0.35800       0.29870       1.19853       1.00000  0.85s
   8142       0.32193       0.37841       0.85076       0.96667  0.84s
   8143       0.29979       0.29737       1.00815       1.00000  0.85s
   8144       0.36768       0.28703       1.28098       1.00000  0.85s
```

8145	0.28452	0.34513	0.82439	0.96667	0.84s
8146	0.27849	0.32786	0.84941	0.96667	0.85s
8147	0.30874	0.27316	1.13026	1.00000	0.85s
8148	0.31089	0.27842	1.11661	1.00000	0.84s
8149	0.28615	0.36482	0.78434	0.96667	0.84s
8150	0.31643	0.35730	0.88562	0.96667	0.85s
8151	0.31676	0.29939	1.05801	1.00000	0.84s
8152	0.29104	0.28870	1.00812	1.00000	0.84s
8153	0.30008	0.28919	1.03765	1.00000	0.84s
8154	0.31609	0.30206	1.04648	0.96667	0.86s
8155	0.38827	0.28066	1.38341	1.00000	0.86s
8156	0.40051	0.37710	1.06207	0.96667	0.85s
8157	0.32708	0.42207	0.77494	0.96667	0.84s
8158	0.34413	0.28895	1.19098	1.00000	0.85s
8159	0.31863	0.28358	1.12361	1.00000	0.84s
8160	0.28159	0.33899	0.83067	0.96667	0.84s
8161	0.30426	0.30016	1.01368	1.00000	0.85s
8162	0.30419	0.28895	1.05272	1.00000	0.85s
8163	0.31453	0.53776	0.58489	0.93333	0.85s
8164	0.29100	0.28236	1.03063	1.00000	0.84s
8165	0.28746	0.32082	0.89602	0.96667	0.85s
8166	0.29245	0.27320	1.07048	1.00000	0.85s
8167	0.32333	0.40139	0.80552	0.96667	0.84s
8168	0.29283	0.27969	1.04699	1.00000	0.85s
8169	0.29181	0.27980	1.04292	1.00000	0.85s
8170	0.29837	0.27428	1.08780	1.00000	0.84s
8171	0.27932	0.28178	0.99127	1.00000	0.85s
8172	0.28813	0.37340	0.77162	0.96667	0.85s
8173	0.29329	0.27661	1.06030	1.00000	0.85s
8174	0.30678	0.28022	1.09476	1.00000	0.84s
8175	0.32459	0.27893	1.16370	1.00000	0.84s
8176	0.29247	0.29360	0.99616	1.00000	0.85s
8177	0.32075	0.27584	1.16278	1.00000	0.85s
8178	0.28340	0.34050	0.83232	1.00000	0.84s
8179	0.30740	0.29284	1.04972	1.00000	0.85s
8180	0.28429	0.27426	1.03659	1.00000	0.85s
8181	0.31351	0.29988	1.04546	1.00000	0.84s
8182	0.29353	0.28013	1.04781	1.00000	0.84s
8183	0.28046	0.27719	1.01181	1.00000	0.84s
8184	0.29375	0.27722	1.05960	1.00000	0.85s
8185	0.28190	0.31910	0.88342	0.96667	0.85s
8186	0.27974	0.28530	0.98049	1.00000	0.86s
8187	0.27787	0.27286	1.01836	1.00000	0.85s
8188	0.28331	0.28212	1.00423	1.00000	0.85s
8189	0.28096	0.27489	1.02208	1.00000	0.86s
8190	0.29611	0.37953	0.78018	0.96667	0.85s
8191	0.29188	0.27693	1.05398	1.00000	0.84s
8192	0.28967	0.33939	0.85348	0.96667	0.85s
8193	0.31438	0.28952	1.08586	1.00000	0.85s
8194	0.30886	0.33379	0.92532	1.00000	0.84s
8195	0.30743	0.27309	1.12572	1.00000	0.85s
8196	0.27564	0.27538	1.00093	1.00000	0.84s
8197	0.33202	0.28071	1.18282	1.00000	0.85s
8198	0.30237	0.29222	1.03475	1.00000	0.85s

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   8199       0.30554       0.27888       1.09558       1.00000  0.84s
   8200       0.30384       0.37624       0.80757       0.96667  0.85s
Regularization term: 0.268152326345
2016-07-02 18:04:33,385 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 18:04:39,308 - root - INFO - Duration of validation: 0:00:05
   8201       0.31758       0.27361       1.16071       1.00000  0.85s
   8202       0.27836       0.28667       0.97101       1.00000  0.84s
   8203       0.28501       0.28357       1.00508       1.00000  0.84s
   8204       0.27717       0.27493       1.00817       1.00000  0.86s
   8205       0.27976       0.29045       0.96317       1.00000  0.85s
   8206       0.28030       0.32046       0.87469       1.00000  0.85s
   8207       0.27931       0.30893       0.90411       1.00000  0.85s
   8208       0.29917       0.28213       1.06043       1.00000  0.85s
   8209       0.28546       0.27700       1.03055       1.00000  0.84s
   8210       0.28672       0.27809       1.03106       1.00000  0.85s
   8211       0.28948       0.32890       0.88016       0.96667  0.84s
   8212       0.30012       0.33470       0.89668       0.96667  0.85s
   8213       0.27802       0.27820       0.99935       1.00000  0.85s
   8214       0.29179       0.28838       1.01181       1.00000  0.84s
   8215       0.28785       0.32876       0.87556       0.96667  0.84s
   8216       0.28306       0.29658       0.95443       1.00000  0.84s
   8217       0.27619       0.28765       0.96018       1.00000  0.85s
   8218       0.28362       0.28126       1.00839       1.00000  0.84s
   8219       0.28009       0.28487       0.98321       1.00000  0.84s
   8220       0.29216       0.28810       1.01408       1.00000  0.85s
   8221       0.36570       0.33168       1.10257       0.96667  0.84s
   8222       0.28371       0.30441       0.93201       1.00000  0.85s
   8223       0.29233       0.27774       1.05254       1.00000  0.84s
   8224       0.29578       0.28359       1.04298       1.00000  0.84s
   8225       0.33023       0.27573       1.19765       1.00000  0.85s
   8226       0.27610       0.29812       0.92612       1.00000  0.85s
   8227       0.28075       0.32133       0.87373       1.00000  0.84s
   8228       0.31815       0.29092       1.09362       1.00000  0.84s
   8229       0.28409       0.27499       1.03311       1.00000  0.84s
   8230       0.29137       0.30060       0.96929       1.00000  0.85s
   8231       0.29820       0.28503       1.04620       1.00000  0.85s
   8232       0.35488       0.27291       1.30035       1.00000  0.84s
   8233       0.27553       0.27715       0.99418       1.00000  0.85s
   8234       0.27462       0.29600       0.92777       1.00000  0.85s
   8235       0.33986       0.27890       1.21854       1.00000  0.85s
   8236       0.28575       0.27798       1.02796       1.00000  0.84s
   8237       0.28841       0.28162       1.02412       1.00000  0.84s
   8238       0.39223       0.27577       1.42234       1.00000  0.84s
   8239       0.27801       0.27521       1.01017       1.00000  0.84s
   8240       0.33861       0.27907       1.21332       1.00000  0.85s
   8241       0.27783       0.40871       0.67978       0.96667  0.84s
   8242       0.28708       0.29924       0.95936       1.00000  0.84s
   8243       0.34662       0.34105       1.01635       0.96667  0.84s
   8244       0.27357       0.27581       0.99189       1.00000  0.85s
   8245       0.31579       0.29492       1.07074       1.00000  0.84s
   8246       0.30448       0.29434       1.03443       1.00000  0.83s
   8247       0.27568       0.27921       0.98734       1.00000  0.84s
   8248       0.39993       0.27588       1.44966       1.00000  0.85s
   8249       0.31370       0.30881       1.01584       1.00000  0.85s
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   8250       0.28539       0.27871       1.02398       1.00000  0.84s
   8251       0.27735       0.27117       1.02278       1.00000  0.84s
   8252       0.28909       0.28073       1.02978       1.00000  0.84s
   8253       0.28788       0.27729       1.03821       1.00000  0.84s
   8254       0.29877       0.35400       0.84400       0.96667  0.85s
   8255       0.27871       0.31449       0.88622       0.96667  0.84s
   8256       0.29382       0.35364       0.83086       0.96667  0.85s
   8257       0.28368       0.33676       0.84238       0.96667  0.85s
   8258       0.30267       0.28582       1.05898       1.00000  0.85s
   8259       0.29831       0.29325       1.01727       1.00000  0.85s
   8260       0.35773       0.27598       1.29622       1.00000  0.85s
   8261       0.31765       0.28615       1.11008       1.00000  0.86s
   8262       0.29194       0.28786       1.01419       1.00000  0.85s
   8263       0.29010       0.27350       1.06070       1.00000  0.85s
   8264       0.33862       0.32396       1.04525       1.00000  0.85s
   8265       0.28679       0.31901       0.89901       0.96667  0.84s
   8266       0.29541       0.28629       1.03184       1.00000  0.86s
   8267       0.29828       0.27450       1.08661       1.00000  0.84s
   8268       0.32958       0.27264       1.20884       1.00000  0.84s
   8269       0.30264       0.27809       1.08828       1.00000  0.85s
   8270       0.29175       0.28611       1.01972       1.00000  0.85s
   8271       0.30722       0.30886       0.99468       1.00000  0.84s
   8272       0.27851       0.27209       1.02358       1.00000  0.84s
   8273       0.28758       0.28144       1.02180       1.00000  0.85s
   8274       0.27638       0.30655       0.90157       1.00000  0.85s
   8275       0.28886       0.28206       1.02408       1.00000  0.84s
   8276       0.31862       0.27864       1.14349       1.00000  0.85s
   8277       0.27589       0.28143       0.98030       1.00000  0.85s
   8278       0.32508       0.28917       1.12421       1.00000  0.84s
   8279       0.30903       0.27862       1.10917       1.00000  0.85s
   8280       0.31632       0.33607       0.94122       0.96667  0.85s
   8281       0.36996       0.29392       1.25871       1.00000  0.85s
   8282       0.33666       0.27874       1.20778       1.00000  0.85s
   8283       0.28315       0.37218       0.76080       0.96667  0.85s
   8284       0.28440       0.27012       1.05287       1.00000  0.84s
   8285       0.33264       0.37399       0.88943       0.96667  0.84s
   8286       0.28143       0.31733       0.88686       1.00000  0.85s
   8287       0.28673       0.27807       1.03117       1.00000  0.85s
   8288       0.30094       0.28894       1.04153       1.00000  0.85s
   8289       0.29886       0.26983       1.10761       1.00000  0.85s
   8290       0.29423       0.27342       1.07609       1.00000  0.83s
   8291       0.28136       0.28163       0.99905       1.00000  0.84s
   8292       0.28601       0.29644       0.96481       1.00000  0.83s
   8293       0.30185       0.29881       1.01017       1.00000  0.83s
   8294       0.29738       0.28059       1.05986       1.00000  0.84s
   8295       0.33894       0.31773       1.06676       0.96667  0.85s
   8296       0.31300       0.33691       0.92903       0.96667  0.85s
   8297       0.32287       0.46450       0.69510       0.96667  0.84s
   8298       0.28052       0.29479       0.95160       1.00000  0.85s
   8299       0.30552       0.27954       1.09295       1.00000  0.85s
   8300       0.32883       0.29730       1.10608       1.00000  0.84s
Regularization term: 0.264974325895
2016-07-02 18:06:12,464 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 18:06:18,294 - root - INFO - Duration of validation: 0:00:05
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8301	0.40679	0.28093	1.44803	1.00000	0.84s
8302	0.29528	0.29759	0.99224	1.00000	0.84s
8303	0.31208	0.30646	1.01837	1.00000	0.85s
8304	0.28625	0.27040	1.05862	1.00000	0.85s
8305	0.30787	0.34309	0.89734	1.00000	0.85s
8306	0.29898	0.30173	0.99090	1.00000	0.84s
8307	0.34570	0.35605	0.97091	0.96667	0.84s
8308	0.27625	0.28851	0.95751	1.00000	0.85s
8309	0.31629	0.36723	0.86128	0.93333	0.84s
8310	0.32202	0.27650	1.16463	1.00000	0.84s
8311	0.40915	0.29164	1.40292	1.00000	0.84s
8312	0.27849	0.36131	0.77078	0.96667	0.85s
8313	0.28643	0.27993	1.02322	1.00000	0.84s
8314	0.29560	0.32494	0.90970	1.00000	0.85s
8315	0.27514	0.38796	0.70919	0.93333	0.84s
8316	0.29280	0.28764	1.01794	1.00000	0.84s
8317	0.35634	0.31600	1.12765	1.00000	0.84s
8318	0.29914	0.27985	1.06892	1.00000	0.85s
8319	0.27534	0.28605	0.96256	1.00000	0.84s
8320	0.29992	0.31361	0.95635	0.96667	0.85s
8321	0.30538	0.31490	0.96978	0.96667	0.85s
8322	0.32257	0.35962	0.89696	0.96667	0.85s
8323	0.32571	0.30407	1.07118	1.00000	0.84s
8324	0.29520	0.29634	0.99616	1.00000	0.84s
8325	0.29856	0.37882	0.78814	0.96667	0.85s
8326	0.27287	0.38114	0.71594	0.96667	0.84s
8327	0.27854	0.42880	0.64959	0.93333	0.84s
8328	0.27466	0.31751	0.86506	0.96667	0.84s
8329	0.29799	0.29637	1.00547	1.00000	0.85s
8330	0.28943	0.34068	0.84957	1.00000	0.85s
8331	0.29562	0.33331	0.88693	0.96667	0.84s
8332	0.27271	0.27074	1.00728	1.00000	0.85s
8333	0.29474	0.27881	1.05713	1.00000	0.85s
8334	0.30871	0.27945	1.10468	1.00000	0.84s
8335	0.33559	0.35927	0.93409	0.96667	0.84s
8336	0.33337	0.31722	1.05094	0.96667	0.84s
8337	0.29334	0.29046	1.00990	1.00000	0.85s
8338	0.30461	0.35922	0.84796	0.96667	0.85s
8339	0.31181	0.32127	0.97054	1.00000	0.85s
8340	0.28635	0.31429	0.91109	1.00000	0.84s
8341	0.32883	0.37209	0.88372	0.93333	0.84s
8342	0.30675	0.27248	1.12580	1.00000	0.85s
8343	0.29217	0.34171	0.85502	1.00000	0.83s
8344	0.34288	0.30958	1.10757	1.00000	0.85s
8345	0.28938	0.31623	0.91509	1.00000	0.86s
8346	0.29400	0.30753	0.95599	1.00000	0.85s
8347	0.30744	0.38181	0.80523	0.96667	0.84s
8348	0.29888	0.38143	0.78358	0.96667	0.85s
8349	0.30492	0.42217	0.72227	0.96667	0.85s
8350	0.31870	0.32324	0.98596	1.00000	0.85s
8351	0.30349	0.39673	0.76500	0.93333	0.85s
8352	0.28882	0.30654	0.94220	1.00000	0.85s
8353	0.27190	0.33411	0.81379	0.96667	0.85s
8354	0.31549	0.29483	1.07006	1.00000	0.85s

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   8355       0.28924       0.30475       0.94911       1.00000  0.84s
   8356       0.34319       0.32737       1.04834       0.96667  0.84s
   8357       0.31563       0.27039       1.16732       1.00000  0.84s
   8358       0.29093       0.33999       0.85570       0.96667  0.85s
   8359       0.28595       0.30651       0.93292       0.96667  0.85s
   8360       0.27911       0.36401       0.76676       0.93333  0.85s
   8361       0.28544       0.27477       1.03883       1.00000  0.84s
   8362       0.29010       0.32628       0.88909       0.96667  0.84s
   8363       0.27275       0.27231       1.00162       1.00000  0.84s
   8364       0.28920       0.28057       1.03076       1.00000  0.86s
   8365       0.27665       0.29143       0.94928       1.00000  0.84s
   8366       0.27498       0.38181       0.72019       0.96667  0.84s
   8367       0.28904       0.36034       0.80214       0.96667  0.85s
   8368       0.29981       0.32838       0.91302       0.96667  0.86s
   8369       0.33517       0.32730       1.02404       0.96667  0.85s
   8370       0.27310       0.27990       0.97571       1.00000  0.85s
   8371       0.29142       0.33210       0.87752       0.96667  0.84s
   8372       0.27514       0.27757       0.99123       1.00000  0.85s
   8373       0.30063       0.29182       1.03020       1.00000  0.85s
   8374       0.33205       0.27844       1.19253       1.00000  0.84s
   8375       0.29276       0.30521       0.95919       1.00000  0.84s
   8376       0.30847       0.27877       1.10652       1.00000  0.85s
   8377       0.27482       0.34494       0.79672       0.96667  0.85s
   8378       0.27215       0.29919       0.90960       1.00000  0.85s
   8379       0.31807       0.32234       0.98676       0.96667  0.84s
   8380       0.29530       0.28863       1.02310       1.00000  0.84s
   8381       0.36407       0.33944       1.07256       0.96667  0.85s
   8382       0.27762       0.36009       0.77098       0.96667  0.83s
   8383       0.28712       0.27595       1.04046       1.00000  0.85s
   8384       0.28697       0.27503       1.04342       1.00000  0.85s
   8385       0.29555       0.28141       1.05022       1.00000  0.85s
   8386       0.30664       0.36160       0.84801       0.96667  0.85s
   8387       0.28803       0.29633       0.97198       1.00000  0.85s
   8388       0.28440       0.28965       0.98185       1.00000  0.84s
   8389       0.29711       0.28541       1.04098       1.00000  0.85s
   8390       0.29538       0.38780       0.76168       0.96667  0.84s
   8391       0.29382       0.28283       1.03887       1.00000  0.85s
   8392       0.27353       0.26900       1.01682       1.00000  0.85s
   8393       0.28995       0.27438       1.05677       1.00000  0.84s
   8394       0.28644       0.28537       1.00376       1.00000  0.84s
   8395       0.33910       0.27032       1.25444       1.00000  0.85s
   8396       0.29654       0.28709       1.03289       1.00000  0.86s
   8397       0.27471       0.27368       1.00377       1.00000  0.85s
   8398       0.32344       0.27532       1.17476       1.00000  0.84s
   8399       0.27584       0.29928       0.92169       0.96667  0.85s
   8400       0.28682       0.28883       0.99302       1.00000  0.84s
Regularization term: 0.262167513371
2016-07-02 18:07:50,326 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 18:07:55,385 - root - INFO - Duration of validation: 0:00:05
   8401       0.28089       0.28692       0.97897       1.00000  0.85s
   8402       0.33025       0.30268       1.09109       1.00000  0.84s
   8403       0.33445       0.29513       1.13321       1.00000  0.85s
   8404       0.28484       0.27773       1.02560       1.00000  0.85s
   8405       0.29643       0.30604       0.96858       0.96667  0.85s
```

8406	0.27330	0.27240	1.00331	1.00000	0.85s
8407	0.27853	0.28630	0.97284	1.00000	0.85s
8408	0.27885	0.27117	1.02835	1.00000	0.86s
8409	0.28127	0.29134	0.96541	1.00000	0.85s
8410	0.31100	0.27280	1.14003	1.00000	0.84s
8411	0.29517	0.28538	1.03430	1.00000	0.84s
8412	0.28071	0.27814	1.00925	1.00000	0.84s
8413	0.27402	0.31169	0.87915	0.96667	0.85s
8414	0.29034	0.35951	0.80760	0.96667	0.84s
8415	0.29102	0.26737	1.08845	1.00000	0.84s
8416	0.28478	0.27022	1.05387	1.00000	0.84s
8417	0.30686	0.27301	1.12399	1.00000	0.85s
8418	0.27346	0.27509	0.99405	1.00000	0.85s
8419	0.30375	0.29649	1.02449	0.96667	0.85s
8420	0.30481	0.34773	0.87658	0.96667	0.84s
8421	0.32005	0.31280	1.02320	0.96667	0.85s
8422	0.28541	0.28550	0.99969	1.00000	0.84s
8423	0.30095	0.28255	1.06513	1.00000	0.85s
8424	0.31435	0.26633	1.18026	1.00000	0.85s
8425	0.29846	0.26867	1.11087	1.00000	0.84s
8426	0.27261	0.29491	0.92437	0.96667	0.84s
8427	0.29600	0.27707	1.06832	1.00000	0.85s
8428	0.27825	0.28581	0.97353	1.00000	0.84s
8429	0.28308	0.28531	0.99220	1.00000	0.84s
8430	0.29048	0.28059	1.03522	1.00000	0.84s
8431	0.32768	0.40949	0.80021	0.96667	0.84s
8432	0.27684	0.31285	0.88489	0.96667	0.85s
8433	0.27780	0.28977	0.95869	1.00000	0.85s
8434	0.27964	0.39274	0.71201	0.93333	0.85s
8435	0.28247	0.28498	0.99119	1.00000	0.84s
8436	0.28120	0.28783	0.97695	1.00000	0.85s
8437	0.29699	0.31310	0.94853	0.96667	0.85s
8438	0.32449	0.30483	1.06450	1.00000	0.85s
8439	0.29005	0.28093	1.03244	1.00000	0.84s
8440	0.27950	0.26498	1.05482	1.00000	0.86s
8441	0.27303	0.27060	1.00898	1.00000	0.85s
8442	0.28678	0.27161	1.05589	1.00000	0.85s
8443	0.29244	0.35007	0.83536	0.93333	0.84s
8444	0.28318	0.27192	1.04138	1.00000	0.85s
8445	0.27110	0.29288	0.92564	1.00000	0.84s
8446	0.31679	0.41180	0.76928	0.93333	0.85s
8447	0.28386	0.30552	0.92913	1.00000	0.84s
8448	0.27361	0.29408	0.93040	1.00000	0.84s
8449	0.28602	0.26952	1.06122	1.00000	0.84s
8450	0.27296	0.29132	0.93697	1.00000	0.85s
8451	0.28037	0.29610	0.94690	1.00000	0.85s
8452	0.26988	0.26900	1.00326	1.00000	0.84s
8453	0.28043	0.31868	0.87997	1.00000	0.84s
8454	0.27123	0.28195	0.96197	1.00000	0.84s
8455	0.31299	0.28829	1.08567	1.00000	0.84s
8456	0.34374	0.26956	1.27520	1.00000	0.85s
8457	0.29664	0.29118	1.01875	1.00000	0.85s
8458	0.28944	0.31140	0.92947	1.00000	0.85s
8459	0.28374	0.27615	1.02749	1.00000	0.85s

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   8460       0.27736       0.30216       0.91795       0.96667  0.84s
   8461       0.30141       0.37205       0.81013       0.96667  0.84s
   8462       0.28610       0.27204       1.05168       1.00000  0.84s
   8463       0.27035       0.26620       1.01561       1.00000  0.85s
   8464       0.29027       0.29798       0.97411       1.00000  0.85s
   8465       0.28730       0.27843       1.03186       1.00000  0.85s
   8466       0.28731       0.27185       1.05689       1.00000  0.84s
   8467       0.29106       0.32905       0.88455       0.96667  0.86s
   8468       0.30121       0.26552       1.13440       1.00000  0.85s
   8469       0.27839       0.29816       0.93367       1.00000  0.85s
   8470       0.27707       0.26807       1.03358       1.00000  0.84s
   8471       0.32724       0.29451       1.11115       1.00000  0.84s
   8472       0.27696       0.27842       0.99475       1.00000  0.85s
   8473       0.28738       0.27421       1.04801       1.00000  0.84s
   8474       0.28653       0.27840       1.02920       1.00000  0.84s
   8475       0.27986       0.36980       0.75678       0.96667  0.84s
   8476       0.26714       0.31048       0.86042       1.00000  0.85s
   8477       0.26996       0.27240       0.99102       1.00000  0.85s
   8478       0.29311       0.26983       1.08630       1.00000  0.85s
   8479       0.32137       0.28191       1.13998       1.00000  0.84s
   8480       0.27449       0.28447       0.96492       1.00000  0.85s
   8481       0.28747       0.42225       0.68080       0.96667  0.86s
   8482       0.35575       0.33453       1.06343       0.96667  0.85s
   8483       0.31320       0.27430       1.14182       1.00000  0.85s
   8484       0.27486       0.27128       1.01320       1.00000  0.85s
   8485       0.29751       0.29251       1.01711       1.00000  0.85s
   8486       0.34622       0.27760       1.24721       1.00000  0.85s
   8487       0.27329       0.32065       0.85231       1.00000  0.85s
   8488       0.31474       0.29167       1.07909       1.00000  0.85s
   8489       0.28384       0.27376       1.03679       1.00000  0.85s
   8490       0.33224       0.29494       1.12648       1.00000  0.84s
   8491       0.29357       0.27232       1.07804       1.00000  0.86s
   8492       0.29232       0.40360       0.72428       0.96667  0.85s
   8493       0.32849       0.29114       1.12829       1.00000  0.84s
   8494       0.26964       0.28309       0.95249       1.00000  0.84s
   8495       0.27810       0.28640       0.97100       1.00000  0.84s
   8496       0.31520       0.26958       1.16926       1.00000  0.85s
   8497       0.27474       0.29131       0.94310       1.00000  0.85s
   8498       0.28801       0.27390       1.05151       1.00000  0.85s
   8499       0.26868       0.26608       1.00979       1.00000  0.85s
   8500       0.27279       0.27504       0.99183       1.00000  0.84s
Regularization term: 0.259929686785
2016-07-02 18:09:28,762 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 18:09:35,232 - root - INFO - Duration of validation: 0:00:06
   8501       0.27777       0.28745       0.96634       1.00000  0.84s
   8502       0.28046       0.29483       0.95128       1.00000  0.84s
   8503       0.30695       0.37918       0.80950       0.96667  0.84s
   8504       0.40242       0.26835       1.49965       1.00000  0.85s
   8505       0.27486       0.31554       0.87106       0.96667  0.84s
   8506       0.28158       0.30064       0.93659       1.00000  0.84s
   8507       0.27891       0.31998       0.87166       1.00000  0.84s
   8508       0.27171       0.31095       0.87379       0.96667  0.85s
   8509       0.28430       0.30550       0.93060       1.00000  0.86s
   8510       0.29942       0.29640       1.01017       1.00000  0.85s
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8511	0.27501	0.31792	0.86503	0.96667	0.84s
8512	0.29927	0.39117	0.76507	0.93333	0.85s
8513	0.27808	0.27335	1.01729	1.00000	0.85s
8514	0.36026	0.36752	0.98026	0.96667	0.85s
8515	0.27437	0.28702	0.95592	1.00000	0.85s
8516	0.33948	0.28246	1.20187	1.00000	0.84s
8517	0.27285	0.31079	0.87793	1.00000	0.84s
8518	0.28531	0.29042	0.98239	1.00000	0.84s
8519	0.30012	0.28184	1.06486	1.00000	0.84s
8520	0.28952	0.32290	0.89661	1.00000	0.85s
8521	0.29675	0.37127	0.79928	0.96667	0.85s
8522	0.28623	0.31803	0.90000	0.96667	0.84s
8523	0.28981	0.33640	0.86150	1.00000	0.84s
8524	0.28096	0.26897	1.04456	1.00000	0.84s
8525	0.27958	0.28700	0.97417	1.00000	0.85s
8526	0.27326	0.33639	0.81232	0.96667	0.83s
8527	0.30625	0.27374	1.11875	1.00000	0.85s
8528	0.29426	0.29777	0.98820	1.00000	0.86s
8529	0.27147	0.34328	0.79081	0.96667	0.85s
8530	0.28912	0.28636	1.00964	1.00000	0.85s
8531	0.27831	0.29180	0.95379	1.00000	0.84s
8532	0.26772	0.29983	0.89291	1.00000	0.84s
8533	0.29541	0.30814	0.95869	1.00000	0.84s
8534	0.29296	0.31695	0.92431	0.96667	0.84s
8535	0.27686	0.33922	0.81617	0.96667	0.84s
8536	0.28498	0.33322	0.85522	0.96667	0.85s
8537	0.26902	0.30613	0.87877	1.00000	0.85s
8538	0.27728	0.27835	0.99616	1.00000	0.85s
8539	0.27487	0.28832	0.95336	1.00000	0.85s
8540	0.27828	0.29023	0.95880	1.00000	0.85s
8541	0.26920	0.33272	0.80908	0.96667	0.84s
8542	0.28099	0.27614	1.01757	1.00000	0.84s
8543	0.27756	0.27519	1.00860	1.00000	0.85s
8544	0.32105	0.34826	0.92187	0.96667	0.85s
8545	0.27352	0.27869	0.98143	1.00000	0.85s
8546	0.31947	0.29513	1.08246	1.00000	0.84s
8547	0.27547	0.32232	0.85466	0.96667	0.84s
8548	0.27299	0.31474	0.86737	1.00000	0.85s
8549	0.26884	0.26756	1.00478	1.00000	0.84s
8550	0.27201	0.26537	1.02503	1.00000	0.84s
8551	0.28639	0.30484	0.93946	1.00000	0.84s
8552	0.26897	0.27376	0.98251	1.00000	0.84s
8553	0.28650	0.27262	1.05093	1.00000	0.85s
8554	0.27268	0.28261	0.96485	1.00000	0.85s
8555	0.28361	0.27257	1.04050	1.00000	0.85s
8556	0.27292	0.26953	1.01258	1.00000	0.85s
8557	0.27349	0.28392	0.96329	1.00000	0.85s
8558	0.30327	0.27919	1.08626	1.00000	0.85s
8559	0.26672	0.27664	0.96415	1.00000	0.84s
8560	0.29974	0.26356	1.13728	1.00000	0.84s
8561	0.27925	0.29359	0.95114	1.00000	0.85s
8562	0.31196	0.26603	1.17264	1.00000	0.85s
8563	0.27424	0.27310	1.00417	1.00000	0.84s
8564	0.26744	0.28033	0.95400	1.00000	0.85s

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   8565       0.29552       0.32374       0.91283       0.96667  0.85s
   8566       0.27470       0.26873       1.02221       1.00000  0.85s
   8567       0.30316       0.30224       1.00303       0.96667  0.84s
   8568       0.26509       0.28174       0.94089       1.00000  0.85s
   8569       0.26721       0.26554       1.00628       1.00000  0.85s
   8570       0.29156       0.28666       1.01708       1.00000  0.85s
   8571       0.28414       0.33915       0.83782       0.96667  0.85s
   8572       0.28713       0.27661       1.03803       1.00000  0.84s
   8573       0.27883       0.27874       1.00033       1.00000  0.86s
   8574       0.27153       0.27752       0.97843       1.00000  0.85s
   8575       0.26776       0.34609       0.77369       0.96667  0.84s
   8576       0.26654       0.27094       0.98378       1.00000  0.85s
   8577       0.28093       0.34501       0.81427       0.96667  0.85s
   8578       0.29414       0.27050       1.08738       1.00000  0.85s
   8579       0.28112       0.40693       0.69084       0.96667  0.85s
   8580       0.30243       0.30007       1.00786       1.00000  0.85s
   8581       0.29038       0.27669       1.04949       1.00000  0.85s
   8582       0.27843       0.27677       1.00598       1.00000  0.85s
   8583       0.26798       0.30916       0.86681       0.96667  0.85s
   8584       0.28553       0.29110       0.98087       1.00000  0.86s
   8585       0.29614       0.30290       0.97767       1.00000  0.85s
   8586       0.31379       0.29732       1.05540       0.96667  0.84s
   8587       0.27692       0.27037       1.02420       1.00000  0.85s
   8588       0.27022       0.26476       1.02061       1.00000  0.84s
   8589       0.26547       0.28140       0.94337       1.00000  0.85s
   8590       0.26448       0.29593       0.89373       1.00000  0.84s
   8591       0.27198       0.28995       0.93801       1.00000  0.85s
   8592       0.27659       0.26213       1.05513       1.00000  0.85s
   8593       0.27452       0.33168       0.82767       0.96667  0.86s
   8594       0.29975       0.26420       1.13458       1.00000  0.85s
   8595       0.27254       0.31353       0.86925       0.96667  0.86s
   8596       0.27600       0.30138       0.91577       0.96667  0.84s
   8597       0.28462       0.26469       1.07528       1.00000  0.85s
   8598       0.27312       0.26891       1.01568       1.00000  0.84s
   8599       0.26820       0.26749       1.00268       1.00000  0.85s
   8600       0.28352       0.29268       0.96869       1.00000  0.85s
Regularization term: 0.257093578577
2016-07-02 18:11:07,527 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:11:12,682 - root - INFO - Duration of validation: 0:00:05
   8601       0.28703       0.36635       0.78350       0.96667  0.85s
   8602       0.30481       0.26194       1.16364       1.00000  0.85s
   8603       0.27914       0.27380       1.01950       1.00000  0.84s
   8604       0.27129       0.33696       0.80513       0.96667  0.85s
   8605       0.30359       0.30180       1.00595       0.96667  0.85s
   8606       0.28905       0.31204       0.92633       0.96667  0.85s
   8607       0.27938       0.27048       1.03293       1.00000  0.85s
   8608       0.28194       0.28364       0.99399       1.00000  0.86s
   8609       0.31035       0.27118       1.14443       1.00000  0.85s
   8610       0.29346       0.29206       1.00478       0.96667  0.85s
   8611       0.27835       0.26247       1.06048       1.00000  0.85s
   8612       0.27276       0.28390       0.96076       1.00000  0.84s
   8613       0.31522       0.25996       1.21256       1.00000  0.85s
   8614       0.29665       0.27566       1.07617       1.00000  0.85s
   8615       0.29295       0.27040       1.08340       1.00000  0.85s
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8616	0.26704	0.35923	0.74336	0.93333	0.85s
8617	0.26491	0.28266	0.93719	1.00000	0.84s
8618	0.28192	0.28585	0.98624	1.00000	0.85s
8619	0.32568	0.27224	1.19630	1.00000	0.85s
8620	0.26768	0.27786	0.96335	1.00000	0.84s
8621	0.26692	0.36044	0.74054	0.96667	0.84s
8622	0.29373	0.39792	0.73817	0.93333	0.85s
8623	0.28205	0.26803	1.05233	1.00000	0.83s
8624	0.27409	0.26346	1.04034	1.00000	0.85s
8625	0.27342	0.26431	1.03446	1.00000	0.85s
8626	0.26963	0.39530	0.68210	0.93333	0.85s
8627	0.29074	0.26552	1.09500	1.00000	0.85s
8628	0.30035	0.46651	0.64382	0.96667	0.85s
8629	0.28757	0.26873	1.07012	1.00000	0.85s
8630	0.27552	0.29900	0.92147	1.00000	0.84s
8631	0.29621	0.26353	1.12402	1.00000	0.85s
8632	0.26931	0.28194	0.95521	1.00000	0.84s
8633	0.27655	0.28887	0.95734	1.00000	0.85s
8634	0.28117	0.28381	0.99070	1.00000	0.85s
8635	0.27873	0.30010	0.92878	1.00000	0.84s
8636	0.27617	0.36040	0.76629	0.96667	0.84s
8637	0.27542	0.26073	1.05632	1.00000	0.85s
8638	0.26757	0.27699	0.96602	1.00000	0.84s
8639	0.26972	0.26719	1.00948	1.00000	0.84s
8640	0.28057	0.28000	1.00204	1.00000	0.84s
8641	0.31264	0.27620	1.13196	1.00000	0.85s
8642	0.27324	0.26342	1.03727	1.00000	0.85s
8643	0.32672	0.33942	0.96259	0.96667	0.85s
8644	0.32469	0.27949	1.16174	1.00000	0.85s
8645	0.28519	0.26615	1.07153	1.00000	0.85s
8646	0.26440	0.26974	0.98019	1.00000	0.84s
8647	0.30409	0.26372	1.15308	1.00000	0.84s
8648	0.28537	0.26799	1.06486	1.00000	0.85s
8649	0.29599	0.36683	0.80688	0.96667	0.84s
8650	0.26763	0.26854	0.99660	1.00000	0.85s
8651	0.35091	0.33933	1.03412	0.96667	0.84s
8652	0.27318	0.36930	0.73973	0.96667	0.84s
8653	0.27233	0.26813	1.01566	1.00000	0.85s
8654	0.28095	0.30668	0.91610	0.96667	0.84s
8655	0.26822	0.26439	1.01448	1.00000	0.84s
8656	0.28057	0.27395	1.02416	1.00000	0.86s
8657	0.26616	0.28034	0.94943	1.00000	0.85s
8658	0.27145	0.47843	0.56737	0.93333	0.85s
8659	0.27729	0.42817	0.64763	0.96667	0.84s
8660	0.28867	0.33927	0.85087	0.96667	0.85s
8661	0.26461	0.27413	0.96527	1.00000	0.85s
8662	0.31704	0.29026	1.09225	1.00000	0.84s
8663	0.27417	0.33048	0.82961	1.00000	0.84s
8664	0.27308	0.27868	0.97991	1.00000	0.84s
8665	0.28308	0.31820	0.88963	0.96667	0.85s
8666	0.33111	0.36458	0.90820	0.93333	0.85s
8667	0.26340	0.27416	0.96074	1.00000	0.85s
8668	0.28810	0.28265	1.01929	1.00000	0.85s
8669	0.27158	0.28339	0.95831	1.00000	0.86s

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   8670       0.30396       0.45337       0.67045       0.93333  0.84s
   8671       0.27049       0.32349       0.83616       0.96667  0.85s
   8672       0.30924       0.26272       1.17706       1.00000  0.85s
   8673       0.27445       0.30364       0.90389       0.96667  0.85s
   8674       0.26647       0.27680       0.96268       1.00000  0.85s
   8675       0.26462       0.30825       0.85846       1.00000  0.85s
   8676       0.28504       0.27777       1.02619       1.00000  0.85s
   8677       0.27327       0.26511       1.03079       1.00000  0.85s
   8678       0.28600       0.27023       1.05834       1.00000  0.84s
   8679       0.26885       0.26638       1.00926       1.00000  0.85s
   8680       0.26409       0.26612       0.99235       1.00000  0.84s
   8681       0.30039       0.26654       1.12700       1.00000  0.84s
   8682       0.28097       0.28481       0.98651       1.00000  0.85s
   8683       0.28921       0.31402       0.92098       0.96667  0.85s
   8684       0.30110       0.27399       1.09893       1.00000  0.84s
   8685       0.26823       0.27876       0.96221       1.00000  0.84s
   8686       0.26157       0.25872       1.01100       1.00000  0.85s
   8687       0.27129       0.25930       1.04623       1.00000  0.84s
   8688       0.26614       0.29391       0.90553       1.00000  0.85s
   8689       0.27042       0.40934       0.66061       0.96667  0.85s
   8690       0.27594       0.30208       0.91345       1.00000  0.85s
   8691       0.27006       0.27122       0.99572       1.00000  0.85s
   8692       0.26192       0.32976       0.79429       0.96667  0.85s
   8693       0.30508       0.28671       1.06407       1.00000  0.84s
   8694       0.27632       0.29523       0.93595       1.00000  0.85s
   8695       0.31542       0.27062       1.16555       1.00000  0.84s
   8696       0.27890       0.30704       0.90836       0.96667  0.86s
   8697       0.33820       0.26283       1.28674       1.00000  0.85s
   8698       0.27571       0.26239       1.05076       1.00000  0.85s
   8699       0.27722       0.26684       1.03891       1.00000  0.86s
   8700       0.31469       0.26724       1.17755       1.00000  0.86s
Regularization term: 0.253286033869
2016-07-02 18:12:45,075 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:12:50,986 - root - INFO - Duration of validation: 0:00:05
   8701       0.28446       0.29447       0.96601       0.96667  0.85s
   8702       0.27802       0.32962       0.84346       0.93333  0.85s
   8703       0.27353       0.29895       0.91497       0.96667  0.84s
   8704       0.26715       0.36751       0.72692       0.96667  0.85s
   8705       0.34445       0.26478       1.30088       1.00000  0.85s
   8706       0.32541       0.25946       1.25421       1.00000  0.85s
   8707       0.29675       0.27482       1.07982       1.00000  0.85s
   8708       0.28149       0.26980       1.04333       1.00000  0.85s
   8709       0.31106       0.25892       1.20140       1.00000  0.85s
   8710       0.27689       0.31620       0.87569       0.96667  0.84s
   8711       0.27927       0.29926       0.93319       0.96667  0.85s
   8712       0.26477       0.41936       0.63138       0.90000  0.85s
   8713       0.26118       0.31582       0.82699       0.96667  0.85s
   8714       0.26603       0.28462       0.93468       1.00000  0.85s
   8715       0.27234       0.26003       1.04734       1.00000  0.85s
   8716       0.26634       0.26585       1.00182       1.00000  0.85s
   8717       0.26505       0.28103       0.94313       1.00000  0.85s
   8718       0.28688       0.32059       0.89485       0.96667  0.84s
   8719       0.25749       0.26199       0.98282       1.00000  0.84s
   8720       0.28268       0.25957       1.08903       1.00000  0.85s
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8721	0.27039	0.25957	1.04168	1.00000	0.84s
8722	0.26043	0.30467	0.85477	0.96667	0.84s
8723	0.31220	0.35996	0.86731	0.93333	0.85s
8724	0.26436	0.26405	1.00115	1.00000	0.85s
8725	0.26074	0.26324	0.99053	1.00000	0.84s
8726	0.31781	0.25965	1.22398	1.00000	0.85s
8727	0.26661	0.25569	1.04270	1.00000	0.85s
8728	0.28294	0.25963	1.08977	1.00000	0.85s
8729	0.26553	0.27164	0.97750	1.00000	0.85s
8730	0.26203	0.27124	0.96602	1.00000	0.85s
8731	0.29982	0.30957	0.96851	0.96667	0.84s
8732	0.26556	0.25916	1.02472	1.00000	0.85s
8733	0.27943	0.25922	1.07797	1.00000	0.85s
8734	0.27611	0.25788	1.07070	1.00000	0.86s
8735	0.26715	0.29271	0.91267	1.00000	0.84s
8736	0.27775	0.26039	1.06664	1.00000	0.84s
8737	0.26805	0.32394	0.82747	0.96667	0.85s
8738	0.27017	0.27468	0.98359	1.00000	0.84s
8739	0.31711	0.26226	1.20913	1.00000	0.85s
8740	0.29604	0.26211	1.12945	1.00000	0.85s
8741	0.26824	0.27166	0.98741	1.00000	0.85s
8742	0.26364	0.26171	1.00738	1.00000	0.84s
8743	0.30083	0.27301	1.10189	1.00000	0.85s
8744	0.27375	0.35027	0.78154	0.96667	0.86s
8745	0.28057	0.36773	0.76297	0.96667	0.84s
8746	0.26261	0.38111	0.68906	0.93333	0.85s
8747	0.26591	0.26321	1.01026	1.00000	0.85s
8748	0.28683	0.26469	1.08367	1.00000	0.84s
8749	0.26663	0.28719	0.92843	1.00000	0.85s
8750	0.26673	0.26619	1.00204	1.00000	0.85s
8751	0.26108	0.27918	0.93516	1.00000	0.85s
8752	0.26288	0.30215	0.87002	1.00000	0.85s
8753	0.27757	0.27500	1.00936	1.00000	0.85s
8754	0.26774	0.30844	0.86806	1.00000	0.85s
8755	0.30437	0.31725	0.95943	0.96667	0.85s
8756	0.28310	0.26337	1.07492	1.00000	0.85s
8757	0.28875	0.31869	0.90605	0.96667	0.84s
8758	0.31120	0.31565	0.98590	0.96667	0.86s
8759	0.26423	0.27665	0.95510	1.00000	0.85s
8760	0.28325	0.35348	0.80131	0.96667	0.85s
8761	0.35503	0.26592	1.33510	1.00000	0.86s
8762	0.27558	0.35988	0.76575	0.96667	0.84s
8763	0.29471	0.28323	1.04051	1.00000	0.85s
8764	0.25742	0.32922	0.78192	0.96667	0.84s
8765	0.30655	0.26656	1.15000	1.00000	0.86s
8766	0.26647	0.26383	1.01002	1.00000	0.85s
8767	0.27107	0.26682	1.01593	1.00000	0.84s
8768	0.26938	0.29403	0.91617	1.00000	0.85s
8769	0.29941	0.27671	1.08204	1.00000	0.85s
8770	0.26166	0.26481	0.98809	1.00000	0.84s
8771	0.26235	0.31079	0.84413	0.96667	0.84s
8772	0.28618	0.27434	1.04317	1.00000	0.84s
8773	0.26352	0.30958	0.85121	0.96667	0.85s
8774	0.29050	0.30035	0.96723	1.00000	0.84s

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   8775       0.26433       0.32592       0.81104       0.96667  0.84s
   8776       0.26343       0.31447       0.83769       0.96667  0.84s
   8777       0.31385       0.26120       1.20155       1.00000  0.85s
   8778       0.28491       0.26115       1.09099       1.00000  0.84s
   8779       0.29098       0.32327       0.90011       0.96667  0.85s
   8780       0.29909       0.26902       1.11181       1.00000  0.84s
   8781       0.27910       0.27346       1.02063       1.00000  0.85s
   8782       0.26713       0.27321       0.97773       1.00000  0.84s
   8783       0.27964       0.26825       1.04247       1.00000  0.85s
   8784       0.28501       0.25671       1.11024       1.00000  0.84s
   8785       0.29599       0.47326       0.62543       0.96667  0.85s
   8786       0.26939       0.25418       1.05982       1.00000  0.84s
   8787       0.27114       0.33240       0.81570       0.96667  0.85s
   8788       0.27204       0.25743       1.05677       1.00000  0.84s
   8789       0.27746       0.25948       1.06930       1.00000  0.85s
   8790       0.29560       0.31095       0.95064       0.96667  0.84s
   8791       0.26685       0.33835       0.78869       0.96667  0.84s
   8792       0.26370       0.25963       1.01566       1.00000  0.84s
   8793       0.27333       0.26098       1.04731       1.00000  0.85s
   8794       0.26753       0.26969       0.99198       1.00000  0.84s
   8795       0.26728       0.26475       1.00954       1.00000  0.85s
   8796       0.27645       0.25318       1.09191       1.00000  0.85s
   8797       0.32900       0.25610       1.28467       1.00000  0.85s
   8798       0.26421       0.26315       1.00405       1.00000  0.84s
   8799       0.28793       0.27763       1.03710       1.00000  0.85s
   8800       0.26530       0.26964       0.98390       1.00000  0.85s
Regularization term: 0.249158143997
2016-07-02 18:14:24,347 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:14:30,148 - root - INFO - Duration of validation: 0:00:05
   8801       0.32471       0.25860       1.25563       1.00000  0.85s
   8802       0.26906       0.28168       0.95520       1.00000  0.84s
   8803       0.30409       0.41684       0.72952       0.93333  0.85s
   8804       0.29465       0.26072       1.13011       1.00000  0.85s
   8805       0.25574       0.26560       0.96289       1.00000  0.84s
   8806       0.25771       0.25434       1.01325       1.00000  0.85s
   8807       0.27252       0.31157       0.87469       0.96667  0.85s
   8808       0.26335       0.31084       0.84721       1.00000  0.85s
   8809       0.25648       0.27786       0.92305       1.00000  0.85s
   8810       0.26515       0.26803       0.98926       1.00000  0.85s
   8811       0.25584       0.26049       0.98213       1.00000  0.85s
   8812       0.25629       0.33705       0.76039       0.96667  0.85s
   8813       0.27556       0.26389       1.04420       1.00000  0.85s
   8814       0.26927       0.35506       0.75840       0.96667  0.85s
   8815       0.26968       0.26517       1.01701       1.00000  0.84s
   8816       0.29011       0.39503       0.73442       0.96667  0.85s
   8817       0.32095       0.28968       1.10797       0.96667  0.84s
   8818       0.26917       0.27476       0.97966       1.00000  0.85s
   8819       0.26116       0.26478       0.98631       1.00000  0.84s
   8820       0.26117       0.27194       0.96040       1.00000  0.84s
   8821       0.26024       0.25877       1.00570       1.00000  0.85s
   8822       0.26321       0.25523       1.03126       1.00000  0.85s
   8823       0.26764       0.25929       1.03221       1.00000  0.84s
   8824       0.26710       0.25946       1.02947       1.00000  0.84s
   8825       0.30261       0.26959       1.12248       1.00000  0.85s
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8826	0.25350	0.26119	0.97054	1.00000	0.85s
8827	0.25878	0.26636	0.97152	1.00000	0.84s
8828	0.26861	0.25862	1.03859	1.00000	0.84s
8829	0.27690	0.25502	1.08581	1.00000	0.84s
8830	0.28369	0.28682	0.98908	0.96667	0.85s
8831	0.29460	0.26142	1.12691	1.00000	0.84s
8832	0.26104	0.29385	0.88835	0.96667	0.85s
8833	0.27951	0.26419	1.05798	1.00000	0.85s
8834	0.26353	0.26089	1.01013	1.00000	0.85s
8835	0.27214	0.26118	1.04198	1.00000	0.85s
8836	0.25864	0.40490	0.63878	0.93333	0.84s
8837	0.25836	0.30033	0.86024	1.00000	0.84s
8838	0.30223	0.25479	1.18621	1.00000	0.85s
8839	0.26344	0.25697	1.02518	1.00000	0.84s
8840	0.26026	0.28435	0.91527	0.96667	0.85s
8841	0.26382	0.29859	0.88354	0.96667	0.85s
8842	0.25573	0.26311	0.97195	1.00000	0.85s
8843	0.25915	0.38070	0.68072	0.96667	0.85s
8844	0.28213	0.27976	1.00848	1.00000	0.86s
8845	0.25997	0.29540	0.88007	1.00000	0.85s
8846	0.26112	0.25448	1.02608	1.00000	0.85s
8847	0.29232	0.33124	0.88250	0.93333	0.84s
8848	0.27012	0.25883	1.04359	1.00000	0.84s
8849	0.25595	0.26071	0.98174	1.00000	0.85s
8850	0.28286	0.28538	0.99116	1.00000	0.84s
8851	0.26432	0.28856	0.91602	1.00000	0.85s
8852	0.28301	0.33261	0.85086	0.96667	0.85s
8853	0.25882	0.26820	0.96501	1.00000	0.86s
8854	0.27535	0.30487	0.90318	1.00000	0.85s
8855	0.27069	0.28515	0.94932	1.00000	0.85s
8856	0.30597	0.35460	0.86287	0.96667	0.85s
8857	0.26109	0.44637	0.58492	0.93333	0.85s
8858	0.28771	0.31532	0.91244	0.96667	0.85s
8859	0.26339	0.31655	0.83206	0.96667	0.85s
8860	0.27341	0.29237	0.93516	1.00000	0.85s
8861	0.30108	0.26076	1.15461	1.00000	0.85s
8862	0.26276	0.26536	0.99020	1.00000	0.84s
8863	0.27456	0.29208	0.94003	1.00000	0.85s
8864	0.31434	0.27977	1.12354	1.00000	0.85s
8865	0.25609	0.25300	1.01220	1.00000	0.85s
8866	0.25360	0.26216	0.96734	1.00000	0.85s
8867	0.26926	0.41916	0.64236	0.96667	0.85s
8868	0.29890	0.25221	1.18514	1.00000	0.85s
8869	0.27704	0.39681	0.69818	0.93333	0.85s
8870	0.26568	0.30788	0.86295	0.96667	0.85s
8871	0.25761	0.29415	0.87579	1.00000	0.84s
8872	0.26680	0.27272	0.97829	1.00000	0.85s
8873	0.26401	0.25676	1.02825	1.00000	0.85s
8874	0.28117	0.29768	0.94454	1.00000	0.85s
8875	0.27714	0.25732	1.07704	1.00000	0.85s
8876	0.26663	0.26627	1.00136	1.00000	0.85s
8877	0.28391	0.36120	0.78602	0.96667	0.84s
8878	0.25333	0.25703	0.98557	1.00000	0.84s
8879	0.26419	0.29790	0.88683	1.00000	0.84s

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   8880       0.25707       0.36226       0.70963       0.93333  0.85s
   8881       0.29995       0.28134       1.06613       1.00000  0.85s
   8882       0.34871       0.25873       1.34780       1.00000  0.85s
   8883       0.26325       0.25764       1.02178       1.00000  0.86s
   8884       0.32863       0.28617       1.14836       1.00000  0.85s
   8885       0.27363       0.26365       1.03785       1.00000  0.85s
   8886       0.26973       0.27559       0.97874       1.00000  0.84s
   8887       0.32531       0.25601       1.27068       1.00000  0.84s
   8888       0.27570       0.29084       0.94795       1.00000  0.85s
   8889       0.29048       0.25956       1.11915       1.00000  0.86s
   8890       0.28243       0.25561       1.10492       1.00000  0.85s
   8891       0.26504       0.28067       0.94430       1.00000  0.85s
   8892       0.27143       0.24922       1.08910       1.00000  0.85s
   8893       0.26878       0.25921       1.03691       1.00000  0.85s
   8894       0.27442       0.25840       1.06199       1.00000  0.85s
   8895       0.27287       0.28756       0.94895       1.00000  0.84s
   8896       0.27801       0.29062       0.95662       1.00000  0.85s
   8897       0.26210       0.25311       1.03549       1.00000  0.85s
   8898       0.25845       0.26356       0.98062       1.00000  0.86s
   8899       0.27828       0.27555       1.00992       1.00000  0.85s
   8900       0.27744       0.42156       0.65812       0.96667  0.84s
Regularization term: 0.245937347412
2016-07-02 18:16:02,556 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:16:08,746 - root - INFO - Duration of validation: 0:00:06
   8901       0.26075       0.26686       0.97713       1.00000  0.85s
   8902       0.29169       0.26217       1.11259       1.00000  0.85s
   8903       0.28489       0.27383       1.04038       1.00000  0.85s
   8904       0.29803       0.33159       0.89879       0.96667  0.84s
   8905       0.28544       0.26058       1.09541       1.00000  0.84s
   8906       0.25936       0.26495       0.97891       1.00000  0.85s
   8907       0.27263       0.26028       1.04746       1.00000  0.85s
   8908       0.25363       0.28458       0.89125       1.00000  0.85s
   8909       0.27451       0.25311       1.08456       1.00000  0.84s
   8910       0.25970       0.26529       0.97893       1.00000  0.85s
   8911       0.35532       0.25665       1.38441       1.00000  0.85s
   8912       0.27278       0.25172       1.08365       1.00000  0.86s
   8913       0.28198       0.34542       0.81635       0.96667  0.85s
   8914       0.28797       0.31997       0.90001       0.96667  0.85s
   8915       0.30074       0.25591       1.17521       1.00000  0.85s
   8916       0.31151       0.26530       1.17419       1.00000  0.85s
   8917       0.26586       0.29053       0.91506       0.96667  0.85s
   8918       0.25478       0.25499       0.99918       1.00000  0.85s
   8919       0.27560       0.27373       1.00683       1.00000  0.85s
   8920       0.27592       0.26945       1.02403       1.00000  0.86s
   8921       0.26898       0.25858       1.04024       1.00000  0.86s
   8922       0.31719       0.25116       1.26290       1.00000  0.85s
   8923       0.26077       0.25786       1.01128       1.00000  0.85s
   8924       0.25699       0.25509       1.00746       1.00000  0.85s
   8925       0.26297       0.25717       1.02256       1.00000  0.85s
   8926       0.26221       0.25054       1.04658       1.00000  0.85s
   8927       0.25575       0.26135       0.97859       1.00000  0.84s
   8928       0.27889       0.25821       1.08009       1.00000  0.84s
   8929       0.30321       0.29989       1.01110       1.00000  0.86s
   8930       0.29100       0.30186       0.96403       0.96667  0.84s
```

8931	0.25268	0.25416	0.99419	1.00000	0.85s
8932	0.27053	0.26467	1.02216	1.00000	0.84s
8933	0.26343	0.26478	0.99487	1.00000	0.85s
8934	0.26304	0.25588	1.02801	1.00000	0.85s
8935	0.28476	0.24921	1.14269	1.00000	0.84s
8936	0.26556	0.25382	1.04628	1.00000	0.85s
8937	0.25274	0.25380	0.99583	1.00000	0.84s
8938	0.27835	0.30850	0.90225	0.96667	0.85s
8939	0.33560	0.45149	0.74330	0.96667	0.85s
8940	0.26600	0.27387	0.97129	1.00000	0.85s
8941	0.27302	0.27065	1.00876	1.00000	0.86s
8942	0.25749	0.28356	0.90805	0.96667	0.85s
8943	0.27579	0.25682	1.07388	1.00000	0.85s
8944	0.36792	0.26745	1.37564	1.00000	0.85s
8945	0.34160	0.30515	1.11947	0.96667	0.85s
8946	0.27212	0.48733	0.55838	0.96667	0.85s
8947	0.26539	0.25692	1.03300	1.00000	0.85s
8948	0.25684	0.25748	0.99749	1.00000	0.84s
8949	0.27689	0.27853	0.99411	1.00000	0.85s
8950	0.25614	0.28665	0.89355	1.00000	0.85s
8951	0.26772	0.32111	0.83373	0.96667	0.84s
8952	0.38253	0.30366	1.25973	1.00000	0.85s
8953	0.29516	0.24849	1.18781	1.00000	0.85s
8954	0.34215	0.25696	1.33154	1.00000	0.85s
8955	0.31104	0.26563	1.17093	1.00000	0.84s
8956	0.28071	0.26339	1.06576	1.00000	0.86s
8957	0.26915	0.28075	0.95868	1.00000	0.85s
8958	0.28636	0.29679	0.96487	0.96667	0.85s
8959	0.26428	0.24934	1.05993	1.00000	0.85s
8960	0.29667	0.25777	1.15093	1.00000	0.85s
8961	0.27256	0.28112	0.96955	1.00000	0.85s
8962	0.27151	0.25377	1.06991	1.00000	0.86s
8963	0.27772	0.26562	1.04555	1.00000	0.84s
8964	0.25639	0.30203	0.84886	1.00000	0.84s
8965	0.25749	0.26272	0.98010	1.00000	0.84s
8966	0.25846	0.25900	0.99793	1.00000	0.84s
8967	0.26729	0.26101	1.02409	1.00000	0.85s
8968	0.28387	0.26238	1.08192	1.00000	0.85s
8969	0.29092	0.24795	1.17329	1.00000	0.85s
8970	0.26646	0.26928	0.98952	1.00000	0.84s
8971	0.27658	0.26226	1.05461	1.00000	0.85s
8972	0.39876	0.25219	1.58121	1.00000	0.85s
8973	0.25424	0.26175	0.97132	1.00000	0.85s
8974	0.25412	0.26059	0.97516	1.00000	0.84s
8975	0.26187	0.25520	1.02616	1.00000	0.85s
8976	0.30049	0.28962	1.03752	1.00000	0.86s
8977	0.26408	0.25411	1.03923	1.00000	0.85s
8978	0.24921	0.25386	0.98171	1.00000	0.85s
8979	0.33788	0.26492	1.27540	1.00000	0.85s
8980	0.26484	0.30203	0.87686	1.00000	0.85s
8981	0.28208	0.26680	1.05726	1.00000	0.85s
8982	0.27211	0.29664	0.91731	1.00000	0.84s
8983	0.27137	0.29978	0.90524	1.00000	0.84s
8984	0.27793	0.26014	1.06837	1.00000	0.85s

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   8985       0.28577       0.31896       0.89596       1.00000  0.86s
   8986       0.30171       0.26318       1.14640       1.00000  0.84s
   8987       0.26627       0.29731       0.89560       0.96667  0.83s
   8988       0.27344       0.25396       1.07670       1.00000  0.85s
   8989       0.25785       0.27966       0.92202       1.00000  0.84s
   8990       0.26480       0.28868       0.91725       0.96667  0.85s
   8991       0.25807       0.25727       1.00312       1.00000  0.84s
   8992       0.27547       0.29052       0.94822       1.00000  0.84s
   8993       0.25821       0.28068       0.91995       1.00000  0.86s
   8994       0.27036       0.25992       1.04016       1.00000  0.85s
   8995       0.26734       0.26168       1.02161       1.00000  0.84s
   8996       0.26174       0.28269       0.92587       1.00000  0.85s
   8997       0.27686       0.26448       1.04678       1.00000  0.84s
   8998       0.26300       0.33025       0.79637       0.96667  0.84s
   8999       0.31083       0.27148       1.14494       1.00000  0.84s
   9000       0.26274       0.25744       1.02059       1.00000  0.85s
Regularization term: 0.24343469739
2016-07-02 18:17:41,121 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:17:46,261 - root - INFO - Duration of validation: 0:00:05
   9001       0.27628       0.30026       0.92013       0.96667  0.85s
   9002       0.27084       0.25709       1.05349       1.00000  0.86s
   9003       0.28329       0.33335       0.84984       0.96667  0.85s
   9004       0.35955       0.29144       1.23371       1.00000  0.84s
   9005       0.25793       0.25570       1.00874       1.00000  0.85s
   9006       0.27533       0.35856       0.76786       0.96667  0.84s
   9007       0.26308       0.26523       0.99192       1.00000  0.84s
   9008       0.28330       0.37191       0.76174       0.96667  0.85s
   9009       0.31006       0.33043       0.93836       0.96667  0.84s
   9010       0.28229       0.26157       1.07922       1.00000  0.84s
   9011       0.29738       0.28277       1.05165       1.00000  0.84s
   9012       0.25538       0.27390       0.93237       0.96667  0.85s
   9013       0.25396       0.26481       0.95904       1.00000  0.84s
   9014       0.25536       0.24996       1.02162       1.00000  0.85s
   9015       0.26372       0.31029       0.84992       0.93333  0.85s
   9016       0.28881       0.24908       1.15950       1.00000  0.84s
   9017       0.25249       0.25120       1.00514       1.00000  0.84s
   9018       0.30188       0.25769       1.17148       1.00000  0.85s
   9019       0.27562       0.24758       1.11326       1.00000  0.84s
   9020       0.27975       0.33306       0.83995       0.96667  0.85s
   9021       0.27048       0.35032       0.77211       0.96667  0.85s
   9022       0.33697       0.30441       1.10696       1.00000  0.85s
   9023       0.27720       0.26087       1.06261       1.00000  0.84s
   9024       0.25779       0.26061       0.98917       1.00000  0.86s
   9025       0.26577       0.26069       1.01948       1.00000  0.84s
   9026       0.27635       0.25529       1.08252       1.00000  0.84s
   9027       0.29434       0.27591       1.06681       1.00000  0.84s
   9028       0.26114       0.31209       0.83674       0.96667  0.85s
   9029       0.27783       0.35630       0.77976       0.93333  0.85s
   9030       0.29527       0.39196       0.75333       0.96667  0.85s
   9031       0.25860       0.31917       0.81021       0.96667  0.84s
   9032       0.27775       0.25053       1.10865       1.00000  0.85s
   9033       0.26877       0.27002       0.99536       1.00000  0.84s
   9034       0.28595       0.41499       0.68907       0.96667  0.85s
   9035       0.25777       0.25819       0.99838       1.00000  0.84s
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9036	0.28354	0.37242	0.76135	0.96667	0.84s
9037	0.26288	0.24847	1.05800	1.00000	0.84s
9038	0.26733	0.25362	1.05404	1.00000	0.84s
9039	0.25499	0.25063	1.01736	1.00000	0.85s
9040	0.25770	0.26845	0.95994	1.00000	0.85s
9041	0.27663	0.26571	1.04111	1.00000	0.85s
9042	0.27554	0.24882	1.10736	1.00000	0.84s
9043	0.26001	0.25698	1.01180	1.00000	0.85s
9044	0.25416	0.25588	0.99326	1.00000	0.84s
9045	0.27947	0.26841	1.04119	1.00000	0.84s
9046	0.29830	0.24936	1.19627	1.00000	0.84s
9047	0.24972	0.27713	0.90108	1.00000	0.85s
9048	0.28447	0.25720	1.10603	1.00000	0.84s
9049	0.25236	0.28181	0.89551	1.00000	0.86s
9050	0.26026	0.27320	0.95263	1.00000	0.85s
9051	0.25713	0.35316	0.72810	0.96667	0.84s
9052	0.28729	0.27100	1.06012	1.00000	0.85s
9053	0.29436	0.51743	0.56889	0.93333	0.84s
9054	0.28501	0.27781	1.02591	1.00000	0.84s
9055	0.25701	0.32341	0.79467	0.96667	0.86s
9056	0.30425	0.26669	1.14085	1.00000	0.85s
9057	0.26771	0.29162	0.91802	1.00000	0.85s
9058	0.25964	0.33603	0.77267	0.96667	0.85s
9059	0.25450	0.25609	0.99377	1.00000	0.84s
9060	0.26071	0.27366	0.95267	1.00000	0.85s
9061	0.30122	0.26431	1.13964	1.00000	0.85s
9062	0.31668	0.33967	0.93232	0.96667	0.84s
9063	0.25875	0.35275	0.73353	0.96667	0.85s
9064	0.28840	0.33083	0.87175	0.96667	0.85s
9065	0.30349	0.28730	1.05638	0.96667	0.86s
9066	0.27001	0.40487	0.66691	0.96667	0.85s
9067	0.31659	0.27955	1.13249	1.00000	0.84s
9068	0.27348	0.31746	0.86147	0.96667	0.85s
9069	0.26562	0.27741	0.95748	1.00000	0.84s
9070	0.26412	0.25927	1.01872	1.00000	0.85s
9071	0.26203	0.44076	0.59451	0.93333	0.85s
9072	0.27375	0.32990	0.82981	0.96667	0.84s
9073	0.28440	0.28164	1.00980	1.00000	0.85s
9074	0.25706	0.27414	0.93768	1.00000	0.86s
9075	0.34243	0.36314	0.94299	0.96667	0.85s
9076	0.26702	0.25854	1.03277	1.00000	0.85s
9077	0.27615	0.30007	0.92030	1.00000	0.84s
9078	0.27116	0.41467	0.65392	0.96667	0.85s
9079	0.27589	0.30410	0.90724	0.96667	0.85s
9080	0.28107	0.25082	1.12060	1.00000	0.85s
9081	0.28059	0.38062	0.73719	0.93333	0.85s
9082	0.26262	0.25337	1.03649	1.00000	0.86s
9083	0.26350	0.41232	0.63906	0.96667	0.85s
9084	0.28498	0.24684	1.15450	1.00000	0.84s
9085	0.32133	0.25976	1.23701	1.00000	0.84s
9086	0.28417	0.27747	1.02415	1.00000	0.84s
9087	0.40919	0.33202	1.23243	0.96667	0.84s
9088	0.26427	0.26399	1.00105	1.00000	0.85s
9089	0.30410	0.26097	1.16527	1.00000	0.85s

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   9090       0.28981       0.25476       1.13760       1.00000  0.84s
   9091       0.31798       0.24973       1.27331       1.00000  0.84s
   9092       0.25846       0.26264       0.98408       1.00000  0.84s
   9093       0.25721       0.24861       1.03459       1.00000  0.84s
   9094       0.27610       0.30314       0.91077       0.96667  0.85s
   9095       0.25712       0.38034       0.67603       0.96667  0.84s
   9096       0.28991       0.28161       1.02950       1.00000  0.85s
   9097       0.29035       0.25354       1.14516       1.00000  0.85s
   9098       0.26772       0.30747       0.87074       1.00000  0.84s
   9099       0.26656       0.26752       0.99643       1.00000  0.85s
   9100       0.26575       0.39020       0.68106       0.96667  0.85s
Regularization term: 0.243881314993
2016-07-02 18:19:18,508 - root - INFO - Duration of saving to disk: 0:00:05
2016-07-02 18:19:24,465 - root - INFO - Duration of validation: 0:00:05
   9101       0.28279       0.26094       1.08372       1.00000  0.85s
   9102       0.26309       0.25342       1.03815       1.00000  0.86s
   9103       0.29305       0.29940       0.97877       1.00000  0.84s
   9104       0.30397       0.25757       1.18014       1.00000  0.85s
   9105       0.28498       0.38842       0.73369       0.93333  0.85s
   9106       0.26205       0.24929       1.05121       1.00000  0.84s
   9107       0.26426       0.36783       0.71843       0.96667  0.84s
   9108       0.28570       0.28060       1.01818       1.00000  0.85s
   9109       0.27047       0.31215       0.86646       1.00000  0.85s
   9110       0.29253       0.25628       1.14146       1.00000  0.86s
   9111       0.27276       0.26047       1.04717       1.00000  0.85s
   9112       0.27270       0.26011       1.04841       1.00000  0.85s
   9113       0.27766       0.26068       1.06514       1.00000  0.85s
   9114       0.26171       0.25342       1.03270       1.00000  0.84s
   9115       0.27597       0.43157       0.63946       0.93333  0.85s
   9116       0.26699       0.24956       1.06984       1.00000  0.85s
   9117       0.25666       0.24980       1.02748       1.00000  0.85s
   9118       0.26140       0.38609       0.67706       0.96667  0.85s
   9119       0.33507       0.26123       1.28263       1.00000  0.85s
   9120       0.28234       0.25295       1.11619       1.00000  0.85s
   9121       0.29354       0.28254       1.03893       0.96667  0.85s
   9122       0.27306       0.29948       0.91180       1.00000  0.84s
   9123       0.35860       0.27615       1.29858       1.00000  0.86s
   9124       0.25555       0.28233       0.90518       1.00000  0.84s
   9125       0.27962       0.26020       1.07466       1.00000  0.85s
   9126       0.26698       0.26503       1.00738       1.00000  0.84s
   9127       0.26738       0.25506       1.04830       1.00000  0.84s
   9128       0.25780       0.25131       1.02582       1.00000  0.85s
   9129       0.25679       0.25823       0.99445       1.00000  0.85s
   9130       0.25487       0.25233       1.01003       1.00000  0.85s
   9131       0.26211       0.25774       1.01698       1.00000  0.84s
   9132       0.26135       0.25778       1.01384       1.00000  0.84s
   9133       0.34643       0.26411       1.31168       1.00000  0.84s
   9134       0.27254       0.27372       0.99570       1.00000  0.84s
   9135       0.30101       0.25465       1.18205       1.00000  0.85s
   9136       0.27305       0.26366       1.03563       1.00000  0.84s
   9137       0.27870       0.31537       0.88374       0.96667  0.85s
   9138       0.31998       0.32178       0.99439       0.96667  0.85s
   9139       0.27482       0.26695       1.02947       1.00000  0.86s
   9140       0.28824       0.25957       1.11046       1.00000  0.85s
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9141	0.25524	0.25205	1.01264	1.00000	0.85s
9142	0.27014	0.26368	1.02453	1.00000	0.85s
9143	0.27213	0.25122	1.08324	1.00000	0.84s
9144	0.25793	0.31570	0.81700	0.96667	0.85s
9145	0.25881	0.26641	0.97146	1.00000	0.86s
9146	0.28791	0.26392	1.09087	1.00000	0.85s
9147	0.26246	0.28971	0.90593	1.00000	0.85s
9148	0.26814	0.25110	1.06784	1.00000	0.85s
9149	0.25547	0.27037	0.94491	1.00000	0.84s
9150	0.31477	0.29160	1.07945	0.96667	0.84s
9151	0.26306	0.34722	0.75761	0.96667	0.84s
9152	0.29887	0.26426	1.13094	1.00000	0.85s
9153	0.25715	0.26145	0.98356	1.00000	0.85s
9154	0.33564	0.30411	1.10367	1.00000	0.84s
9155	0.29117	0.25431	1.14493	1.00000	0.84s
9156	0.29790	0.27843	1.06993	1.00000	0.85s
9157	0.25390	0.31863	0.79686	0.96667	0.85s
9158	0.29113	0.29622	0.98282	0.96667	0.85s
9159	0.26565	0.26706	0.99472	1.00000	0.85s
9160	0.29847	0.29487	1.01221	0.96667	0.85s
9161	0.28010	0.25217	1.11077	1.00000	0.85s
9162	0.25858	0.25640	1.00854	1.00000	0.84s
9163	0.26122	0.32239	0.81026	0.96667	0.86s
9164	0.25292	0.25378	0.99662	1.00000	0.84s
9165	0.26113	0.25065	1.04183	1.00000	0.85s
9166	0.26004	0.26781	0.97097	1.00000	0.85s
9167	0.25038	0.25886	0.96725	1.00000	0.85s
9168	0.25936	0.28514	0.90956	1.00000	0.85s
9169	0.28924	0.25787	1.12166	1.00000	0.86s
9170	0.28128	0.25962	1.08340	1.00000	0.84s
9171	0.29052	0.25426	1.14262	1.00000	0.84s
9172	0.28565	0.25116	1.13731	1.00000	0.84s
9173	0.28313	0.31324	0.90389	0.96667	0.84s
9174	0.28612	0.26585	1.07627	1.00000	0.85s
9175	0.26367	0.27712	0.95146	0.96667	0.85s
9176	0.31666	0.26972	1.17402	1.00000	0.86s
9177	0.28506	0.26247	1.08609	1.00000	0.85s
9178	0.26609	0.27315	0.97417	1.00000	0.85s
9179	0.27167	0.25254	1.07575	1.00000	0.85s
9180	0.28296	0.28877	0.97987	0.96667	0.85s
9181	0.29017	0.26674	1.08785	1.00000	0.85s
9182	0.26843	0.26121	1.02764	1.00000	0.85s
9183	0.29853	0.36950	0.80791	0.96667	0.84s
9184	0.28399	0.26363	1.07724	1.00000	0.85s
9185	0.27977	0.26215	1.06723	1.00000	0.85s
9186	0.26591	0.27524	0.96613	1.00000	0.85s
9187	0.28352	0.27826	1.01892	1.00000	0.84s
9188	0.27427	0.25010	1.09664	1.00000	0.86s
9189	0.26246	0.25774	1.01829	1.00000	0.84s
9190	0.25465	0.26297	0.96837	1.00000	0.84s
9191	0.26140	0.33859	0.77202	0.96667	0.85s
9192	0.26263	0.25816	1.01731	1.00000	0.85s
9193	0.27315	0.24717	1.10509	1.00000	0.86s
9194	0.27680	0.35932	0.77035	0.96667	0.84s

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   9195       0.27140       0.25643       1.05838       1.00000  0.84s
   9196       0.28827       0.30866       0.93395       0.96667  0.85s
   9197       0.31809       0.25730       1.23626       1.00000  0.84s
   9198       0.28322       0.31606       0.89608       0.96667  0.84s
   9199       0.26745       0.29138       0.91787       1.00000  0.85s
   9200       0.27256       0.28701       0.94964       1.00000  0.84s
Regularization term: 0.244763553143
2016-07-02 18:20:57,875 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:21:03,779 - root - INFO - Duration of validation: 0:00:05
   9201       0.28256       0.26409       1.06994       1.00000  0.85s
   9202       0.25658       0.28105       0.91293       1.00000  0.85s
   9203       0.26238       0.32711       0.80214       1.00000  0.84s
   9204       0.29366       0.30130       0.97465       0.96667  0.85s
   9205       0.25422       0.25208       1.00849       1.00000  0.85s
   9206       0.25876       0.26757       0.96708       1.00000  0.85s
   9207       0.27583       0.28256       0.97620       1.00000  0.84s
   9208       0.28607       0.25598       1.11758       1.00000  0.85s
   9209       0.26516       0.25263       1.04960       1.00000  0.85s
   9210       0.26293       0.30082       0.87405       0.96667  0.85s
   9211       0.25751       0.26004       0.99027       1.00000  0.84s
   9212       0.29159       0.26665       1.09354       1.00000  0.85s
   9213       0.28219       0.25038       1.12704       1.00000  0.84s
   9214       0.27240       0.25671       1.06114       1.00000  0.85s
   9215       0.29873       0.25981       1.14981       1.00000  0.84s
   9216       0.34484       0.30223       1.14100       0.96667  0.85s
   9217       0.26692       0.27010       0.98823       1.00000  0.85s
   9218       0.26782       0.26443       1.01284       1.00000  0.85s
   9219       0.26361       0.27967       0.94256       1.00000  0.85s
   9220       0.28371       0.25517       1.11184       1.00000  0.84s
   9221       0.25907       0.26601       0.97392       1.00000  0.85s
   9222       0.34300       0.25098       1.36665       1.00000  0.84s
   9223       0.25851       0.26395       0.97938       1.00000  0.85s
   9224       0.31681       0.27298       1.16055       1.00000  0.84s
   9225       0.25652       0.31962       0.80258       0.96667  0.84s
   9226       0.27199       0.34119       0.79720       0.96667  0.84s
   9227       0.25689       0.25703       0.99945       1.00000  0.84s
   9228       0.26678       0.28142       0.94800       0.96667  0.85s
   9229       0.26847       0.29915       0.89745       0.96667  0.84s
   9230       0.27254       0.30993       0.87937       0.96667  0.84s
   9231       0.27676       0.32675       0.84701       0.96667  0.86s
   9232       0.26376       0.33290       0.79233       0.96667  0.85s
   9233       0.28731       0.26302       1.09235       1.00000  0.84s
   9234       0.26517       0.31648       0.83788       0.96667  0.84s
   9235       0.26977       0.25498       1.05798       1.00000  0.86s
   9236       0.26934       0.26006       1.03567       1.00000  0.85s
   9237       0.25581       0.33787       0.75712       0.96667  0.85s
   9238       0.25942       0.26346       0.98464       1.00000  0.84s
   9239       0.27847       0.33039       0.84285       0.96667  0.84s
   9240       0.28873       0.26287       1.09839       1.00000  0.85s
   9241       0.29478       0.26123       1.12842       1.00000  0.85s
   9242       0.29505       0.27116       1.08809       1.00000  0.85s
   9243       0.27843       0.37237       0.74773       0.96667  0.85s
   9244       0.35405       0.25096       1.41078       1.00000  0.86s
   9245       0.25756       0.32245       0.79874       0.96667  0.85s
```

9246	0.26962	0.39991	0.67419	0.96667	0.85s
9247	0.25369	0.25387	0.99930	1.00000	0.85s
9248	0.28879	0.26375	1.09494	1.00000	0.85s
9249	0.25318	0.27890	0.90779	1.00000	0.85s
9250	0.28191	0.26208	1.07569	1.00000	0.85s
9251	0.25639	0.26287	0.97534	1.00000	0.85s
9252	0.30693	0.27317	1.12358	1.00000	0.85s
9253	0.27743	0.29481	0.94104	1.00000	0.85s
9254	0.26092	0.26238	0.99443	1.00000	0.84s
9255	0.25936	0.25928	1.00029	1.00000	0.84s
9256	0.26686	0.27199	0.98113	1.00000	0.85s
9257	0.27074	0.32587	0.83084	1.00000	0.85s
9258	0.26335	0.26318	1.00065	1.00000	0.85s
9259	0.32916	0.26195	1.25656	1.00000	0.84s
9260	0.26856	0.26899	0.99840	1.00000	0.84s
9261	0.27842	0.30088	0.92534	0.96667	0.85s
9262	0.26028	0.24886	1.04589	1.00000	0.84s
9263	0.26711	0.29239	0.91353	1.00000	0.85s
9264	0.27070	0.29883	0.90586	0.96667	0.84s
9265	0.28011	0.28711	0.97559	1.00000	0.85s
9266	0.31423	0.25815	1.21725	1.00000	0.85s
9267	0.25781	0.25472	1.01211	1.00000	0.84s
9268	0.46973	0.25328	1.85463	1.00000	0.84s
9269	0.26213	0.26957	0.97242	1.00000	0.85s
9270	0.32934	0.27681	1.18977	1.00000	0.84s
9271	0.28105	0.26298	1.06870	1.00000	0.85s
9272	0.26266	0.27586	0.95214	1.00000	0.86s
9273	0.26372	0.26968	0.97792	1.00000	0.84s
9274	0.31601	0.25875	1.22127	1.00000	0.84s
9275	0.33034	0.26323	1.25495	1.00000	0.85s
9276	0.26131	0.25749	1.01484	1.00000	0.85s
9277	0.30345	0.44215	0.68632	0.96667	0.84s
9278	0.31943	0.24916	1.28203	1.00000	0.84s
9279	0.27504	0.34114	0.80622	0.96667	0.85s
9280	0.26470	0.29467	0.89827	1.00000	0.85s
9281	0.25079	0.29502	0.85009	0.96667	0.84s
9282	0.26900	0.39312	0.68426	0.93333	0.85s
9283	0.25396	0.26620	0.95401	1.00000	0.85s
9284	0.25905	0.28132	0.92086	0.96667	0.84s
9285	0.26662	0.26727	0.99755	1.00000	0.84s
9286	0.28073	0.41903	0.66996	0.93333	0.86s
9287	0.27117	0.25858	1.04868	1.00000	0.84s
9288	0.29523	0.43466	0.67923	0.96667	0.84s
9289	0.31806	0.31303	1.01609	0.96667	0.85s
9290	0.27435	0.31456	0.87218	0.96667	0.85s
9291	0.25679	0.36560	0.70238	0.93333	0.85s
9292	0.36179	0.48819	0.74108	0.93333	0.86s
9293	0.27330	0.29943	0.91272	0.96667	0.86s
9294	0.28917	0.28184	1.02601	1.00000	0.84s
9295	0.37451	0.31769	1.17885	0.96667	0.84s
9296	0.27719	0.32563	0.85122	0.96667	0.85s
9297	0.31946	0.47297	0.67543	0.96667	0.85s
9298	0.25654	0.40894	0.62733	0.96667	0.85s
9299	0.26313	0.27106	0.97075	1.00000	0.86s

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   9300       0.32777       0.29441       1.11330       0.96667  0.85s
Regularization term: 0.245118170977
2016-07-02 18:22:36,067 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:22:41,179 - root - INFO - Duration of validation: 0:00:05
   9301       0.34472       0.28339       1.21642       1.00000  0.84s
   9302       0.28433       0.25889       1.09826       1.00000  0.84s
   9303       0.28890       0.27864       1.03682       1.00000  0.84s
   9304       0.25469       0.25707       0.99074       1.00000  0.84s
   9305       0.27815       0.26143       1.06394       1.00000  0.86s
   9306       0.26413       0.27617       0.95641       1.00000  0.85s
   9307       0.26368       0.25851       1.01999       1.00000  0.85s
   9308       0.27912       0.29842       0.93532       1.00000  0.84s
   9309       0.28821       0.26665       1.08087       1.00000  0.84s
   9310       0.27318       0.25028       1.09151       1.00000  0.84s
   9311       0.29114       0.28276       1.02965       1.00000  0.83s
   9312       0.26328       0.27729       0.94948       1.00000  0.85s
   9313       0.25934       0.26446       0.98065       1.00000  0.85s
   9314       0.25868       0.24820       1.04224       1.00000  0.84s
   9315       0.30825       0.26090       1.18149       1.00000  0.84s
   9316       0.26056       0.27897       0.93400       1.00000  0.85s
   9317       0.27001       0.27234       0.99145       1.00000  0.85s
   9318       0.28926       0.25861       1.11851       1.00000  0.84s
   9319       0.27052       0.32342       0.83646       0.96667  0.84s
   9320       0.26395       0.28872       0.91421       1.00000  0.84s
   9321       0.28792       0.26422       1.08971       1.00000  0.86s
   9322       0.27601       0.28707       0.96147       0.96667  0.85s
   9323       0.26435       0.28449       0.92921       1.00000  0.84s
   9324       0.28911       0.27497       1.05141       1.00000  0.84s
   9325       0.27190       0.27673       0.98252       1.00000  0.85s
   9326       0.29878       0.26060       1.14653       1.00000  0.85s
   9327       0.27115       0.25236       1.07448       1.00000  0.84s
   9328       0.25800       0.26490       0.97394       1.00000  0.85s
   9329       0.28964       0.30546       0.94822       0.96667  0.84s
   9330       0.26719       0.25639       1.04213       1.00000  0.85s
   9331       0.26546       0.25271       1.05044       1.00000  0.84s
   9332       0.25829       0.28164       0.91710       1.00000  0.84s
   9333       0.27302       0.28401       0.96131       1.00000  0.85s
   9334       0.25730       0.26066       0.98709       1.00000  0.84s
   9335       0.25979       0.25923       1.00217       1.00000  0.84s
   9336       0.26772       0.26309       1.01761       1.00000  0.85s
   9337       0.27166       0.25389       1.07000       1.00000  0.85s
   9338       0.27120       0.30847       0.87919       0.96667  0.85s
   9339       0.27214       0.26166       1.04006       1.00000  0.85s
   9340       0.28712       0.28606       1.00370       1.00000  0.84s
   9341       0.26492       0.32040       0.82686       0.96667  0.85s
   9342       0.28233       0.29194       0.96706       1.00000  0.84s
   9343       0.25721       0.26399       0.97432       1.00000  0.85s
   9344       0.28385       0.26364       1.07664       1.00000  0.85s
   9345       0.26821       0.37637       0.71263       0.96667  0.85s
   9346       0.25577       0.26414       0.96833       1.00000  0.85s
   9347       0.25272       0.26279       0.96170       1.00000  0.84s
   9348       0.25791       0.26808       0.96205       1.00000  0.86s
   9349       0.26821       0.31078       0.86303       0.96667  0.85s
   9350       0.25749       0.27298       0.94327       1.00000  0.84s
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   9351       0.30184       0.25262       1.19484       1.00000  0.84s
   9352       0.26640       0.33898       0.78588       0.96667  0.85s
   9353       0.26545       0.27990       0.94836       1.00000  0.85s
   9354       0.26292       0.30669       0.85729       0.96667  0.84s
   9355       0.26819       0.26031       1.03028       1.00000  0.86s
   9356       0.29020       0.26566       1.09237       1.00000  0.85s
   9357       0.29796       0.25744       1.15740       1.00000  0.84s
   9358       0.25858       0.26349       0.98134       1.00000  0.84s
   9359       0.28335       0.26273       1.07846       1.00000  0.85s
   9360       0.29747       0.25061       1.18701       1.00000  0.85s
   9361       0.27389       0.25556       1.07171       1.00000  0.85s
   9362       0.26833       0.29166       0.92001       0.96667  0.85s
   9363       0.26249       0.31098       0.84405       0.96667  0.85s
   9364       0.27193       0.25939       1.04832       1.00000  0.84s
   9365       0.25963       0.25331       1.02493       1.00000  0.85s
   9366       0.25387       0.38710       0.65583       0.96667  0.85s
   9367       0.27364       0.41393       0.66107       0.93333  0.84s
   9368       0.29271       0.27262       1.07368       1.00000  0.86s
   9369       0.32840       0.27861       1.17868       1.00000  0.85s
   9370       0.26465       0.36087       0.73338       0.96667  0.85s
   9371       0.28315       0.35118       0.80629       0.96667  0.85s
   9372       0.25642       0.28952       0.88566       0.96667  0.85s
   9373       0.26190       0.27854       0.94026       1.00000  0.85s
   9374       0.31517       0.26528       1.18804       1.00000  0.84s
   9375       0.26672       0.29759       0.89627       0.96667  0.85s
   9376       0.28910       0.39877       0.72497       0.93333  0.85s
   9377       0.25571       0.38440       0.66522       0.93333  0.85s
   9378       0.30026       0.25354       1.18426       1.00000  0.85s
   9379       0.25732       0.30502       0.84360       0.96667  0.85s
   9380       0.27651       0.35810       0.77216       0.96667  0.85s
   9381       0.28161       0.25400       1.10871       1.00000  0.85s
   9382       0.30573       0.34185       0.89434       0.96667  0.85s
   9383       0.28117       0.25553       1.10035       1.00000  0.84s
   9384       0.27004       0.28000       0.96444       1.00000  0.85s
   9385       0.25719       0.27526       0.93436       1.00000  0.85s
   9386       0.28208       0.30966       0.91095       0.96667  0.85s
   9387       0.34967       0.39505       0.88513       0.96667  0.85s
   9388       0.28041       0.49740       0.56376       0.93333  0.85s
   9389       0.28927       0.25812       1.12067       1.00000  0.85s
   9390       0.25836       0.33078       0.78105       1.00000  0.85s
   9391       0.30299       0.28722       1.05490       0.96667  0.84s
   9392       0.33187       0.27192       1.22047       1.00000  0.85s
   9393       0.26043       0.28383       0.91756       1.00000  0.85s
   9394       0.31060       0.25755       1.20601       1.00000  0.85s
   9395       0.32229       0.26662       1.20877       1.00000  0.85s
   9396       0.26382       0.33606       0.78504       0.96667  0.86s
   9397       0.26746       0.26972       0.99160       1.00000  0.85s
   9398       0.29375       0.26302       1.11684       1.00000  0.85s
   9399       0.26692       0.27220       0.98062       1.00000  0.85s
   9400       0.26283       0.29267       0.89802       1.00000  0.85s
Regularization term: 0.245576620102
2016-07-02 18:24:14,759 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:24:20,884 - root - INFO - Duration of validation: 0:00:06
   9401       0.26260       0.28651       0.91656       1.00000  0.86s
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9402	0.26816	0.38141	0.70309	0.96667	0.85s
9403	0.30293	0.26810	1.12992	1.00000	0.85s
9404	0.27735	0.27847	0.99598	1.00000	0.85s
9405	0.27788	0.25447	1.09200	1.00000	0.85s
9406	0.27652	0.29246	0.94549	0.96667	0.84s
9407	0.29904	0.30420	0.98303	0.96667	0.84s
9408	0.27475	0.27769	0.98942	1.00000	0.84s
9409	0.25952	0.25570	1.01494	1.00000	0.85s
9410	0.26143	0.25669	1.01849	1.00000	0.85s
9411	0.27884	0.35157	0.79312	0.96667	0.85s
9412	0.26126	0.26715	0.97797	1.00000	0.84s
9413	0.26987	0.27612	0.97736	1.00000	0.84s
9414	0.25794	0.25344	1.01776	1.00000	0.85s
9415	0.26393	0.28919	0.91266	1.00000	0.85s
9416	0.25602	0.24800	1.03233	1.00000	0.86s
9417	0.26359	0.25684	1.02629	1.00000	0.85s
9418	0.25646	0.25721	0.99708	1.00000	0.85s
9419	0.27197	0.28033	0.97018	1.00000	0.85s
9420	0.27501	0.27994	0.98239	1.00000	0.85s
9421	0.25885	0.31736	0.81564	0.96667	0.84s
9422	0.26559	0.25499	1.04157	1.00000	0.85s
9423	0.26305	0.31558	0.83354	0.96667	0.84s
9424	0.31565	0.29965	1.05337	0.96667	0.84s
9425	0.25365	0.25685	0.98755	1.00000	0.85s
9426	0.25593	0.25374	1.00861	1.00000	0.85s
9427	0.26709	0.25628	1.04218	1.00000	0.84s
9428	0.26962	0.28752	0.93777	1.00000	0.84s
9429	0.32137	0.26298	1.22204	1.00000	0.84s
9430	0.27199	0.25904	1.05001	1.00000	0.86s
9431	0.28056	0.28608	0.98069	0.96667	0.84s
9432	0.25892	0.25370	1.02059	1.00000	0.84s
9433	0.29827	0.25885	1.15230	1.00000	0.84s
9434	0.26620	0.25951	1.02579	1.00000	0.85s
9435	0.26247	0.30098	0.87206	1.00000	0.86s
9436	0.26487	0.25677	1.03156	1.00000	0.84s
9437	0.25709	0.29334	0.87643	1.00000	0.85s
9438	0.27372	0.31221	0.87671	0.96667	0.84s
9439	0.29705	0.25829	1.15008	1.00000	0.84s
9440	0.29112	0.25785	1.12905	1.00000	0.85s
9441	0.34586	0.30582	1.13095	1.00000	0.85s
9442	0.27179	0.25701	1.05753	1.00000	0.84s
9443	0.25979	0.27590	0.94162	1.00000	0.85s
9444	0.26020	0.25180	1.03338	1.00000	0.85s
9445	0.25739	0.25824	0.99673	1.00000	0.84s
9446	0.26934	0.25317	1.06387	1.00000	0.84s
9447	0.29800	0.33670	0.88508	0.96667	0.85s
9448	0.27810	0.27720	1.00325	1.00000	0.86s
9449	0.28458	0.26736	1.06438	1.00000	0.86s
9450	0.26258	0.32280	0.81347	0.96667	0.84s
9451	0.26433	0.25374	1.04175	1.00000	0.84s
9452	0.31008	0.25594	1.21152	1.00000	0.84s
9453	0.27040	0.26463	1.02179	1.00000	0.85s
9454	0.28934	0.25340	1.14186	1.00000	0.84s
9455	0.33258	0.26033	1.27756	1.00000	0.85s

```
   9456       0.26817       0.27579       0.97238       1.00000  0.85s
   9457       0.27987       0.29484       0.94922       0.96667  0.85s
   9458       0.26404       0.25335       1.04219       1.00000  0.84s
   9459       0.25910       0.28900       0.89655       1.00000  0.84s
   9460       0.26333       0.25750       1.02262       1.00000  0.84s
   9461       0.26979       0.25381       1.06296       1.00000  0.85s
   9462       0.25655       0.26895       0.95392       1.00000  0.85s
   9463       0.31077       0.26089       1.19122       1.00000  0.84s
   9464       0.26464       0.31031       0.85283       0.96667  0.85s
   9465       0.27479       0.25922       1.06008       1.00000  0.86s
   9466       0.30298       0.25003       1.21175       1.00000  0.85s
   9467       0.25329       0.25638       0.98798       1.00000  0.84s
   9468       0.26522       0.25710       1.03161       1.00000  0.84s
   9469       0.25726       0.29879       0.86102       0.96667  0.85s
   9470       0.25913       0.26419       0.98085       1.00000  0.85s
   9471       0.25341       0.28741       0.88170       1.00000  0.84s
   9472       0.27868       0.30788       0.90516       0.93333  0.85s
   9473       0.27622       0.27429       1.00704       1.00000  0.84s
   9474       0.27963       0.26103       1.07128       1.00000  0.84s
   9475       0.26818       0.26278       1.02056       1.00000  0.85s
   9476       0.25360       0.25089       1.01081       1.00000  0.85s
   9477       0.27661       0.27148       1.01889       1.00000  0.85s
   9478       0.25818       0.29192       0.88442       0.96667  0.84s
   9479       0.26848       0.27269       0.98456       1.00000  0.84s
   9480       0.29135       0.27139       1.07358       1.00000  0.84s
   9481       0.30453       0.29161       1.04431       1.00000  0.85s
   9482       0.26313       0.35901       0.73294       0.96667  0.84s
   9483       0.26473       0.25348       1.04441       1.00000  0.84s
   9484       0.26197       0.25526       1.02627       1.00000  0.85s
   9485       0.25356       0.25482       0.99505       1.00000  0.84s
   9486       0.26436       0.26772       0.98744       1.00000  0.84s
   9487       0.27312       0.31316       0.87212       0.96667  0.84s
   9488       0.26738       0.26049       1.02646       1.00000  0.86s
   9489       0.26829       0.24863       1.07906       1.00000  0.86s
   9490       0.26732       0.30531       0.87556       0.96667  0.85s
   9491       0.26046       0.26203       0.99401       1.00000  0.85s
   9492       0.26092       0.25661       1.01679       1.00000  0.84s
   9493       0.27540       0.33854       0.81349       0.96667  0.85s
   9494       0.30788       0.27479       1.12041       1.00000  0.85s
   9495       0.27228       0.26653       1.02157       1.00000  0.85s
   9496       0.25778       0.25517       1.01023       1.00000  0.84s
   9497       0.26048       0.33048       0.78821       0.96667  0.85s
   9498       0.27445       0.29564       0.92833       1.00000  0.84s
   9499       0.26044       0.34117       0.76337       0.93333  0.84s
   9500       0.28950       0.30002       0.96494       1.00000  0.85s
Regularization term: 0.245447769761
2016-07-02 18:25:53,212 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:25:58,515 - root - INFO - Duration of validation: 0:00:05
   9501       0.26796       0.29387       0.91183       1.00000  0.86s
   9502       0.27192       0.25485       1.06697       1.00000  0.84s
   9503       0.25674       0.26388       0.97294       1.00000  0.85s
   9504       0.25449       0.30386       0.83752       0.96667  0.85s
   9505       0.30171       0.26747       1.12804       1.00000  0.85s
   9506       0.25931       0.30173       0.85939       0.96667  0.85s
```

9507	0.25888	0.25492	1.01556	1.00000	0.85s
9508	0.25131	0.25637	0.98028	1.00000	0.86s
9509	0.26681	0.28527	0.93528	0.96667	0.84s
9510	0.33808	0.26841	1.25958	1.00000	0.84s
9511	0.27092	0.28320	0.95665	1.00000	0.85s
9512	0.31775	0.31815	0.99874	0.96667	0.85s
9513	0.25832	0.30951	0.83462	0.96667	0.85s
9514	0.28335	0.27105	1.04538	1.00000	0.85s
9515	0.26226	0.25292	1.03692	1.00000	0.85s
9516	0.25999	0.25233	1.03036	1.00000	0.84s
9517	0.26795	0.30987	0.86470	0.96667	0.85s
9518	0.26234	0.31452	0.83408	0.96667	0.86s
9519	0.26168	0.26043	1.00482	1.00000	0.85s
9520	0.28299	0.29206	0.96896	0.96667	0.85s
9521	0.35239	0.25507	1.38156	1.00000	0.85s
9522	0.25645	0.40503	0.63315	0.96667	0.85s
9523	0.29363	0.26007	1.12907	1.00000	0.84s
9524	0.26325	0.27977	0.94095	1.00000	0.84s
9525	0.27466	0.25315	1.08496	1.00000	0.86s
9526	0.32193	0.39218	0.82087	0.93333	0.84s
9527	0.29430	0.25667	1.14658	1.00000	0.85s
9528	0.27522	0.28713	0.95852	1.00000	0.85s
9529	0.38352	0.25835	1.48448	1.00000	0.85s
9530	0.27180	0.26161	1.03898	1.00000	0.85s
9531	0.27900	0.28166	0.99056	1.00000	0.84s
9532	0.29845	0.25241	1.18238	1.00000	0.84s
9533	0.25736	0.27730	0.92808	1.00000	0.85s
9534	0.25773	0.33177	0.77684	0.96667	0.85s
9535	0.33366	0.33877	0.98490	0.96667	0.84s
9536	0.25332	0.35707	0.70945	0.93333	0.85s
9537	0.28411	0.26892	1.05650	1.00000	0.84s
9538	0.28583	0.25827	1.10669	1.00000	0.84s
9539	0.25869	0.25860	1.00035	1.00000	0.85s
9540	0.25741	0.25910	0.99349	1.00000	0.85s
9541	0.33281	0.25927	1.28362	1.00000	0.84s
9542	0.28850	0.25580	1.12783	1.00000	0.84s
9543	0.25821	0.26892	0.96018	1.00000	0.84s
9544	0.28854	0.27644	1.04378	1.00000	0.85s
9545	0.34784	0.27218	1.27797	1.00000	0.84s
9546	0.32926	0.26006	1.26613	1.00000	0.85s
9547	0.28831	0.28469	1.01270	1.00000	0.85s
9548	0.32439	0.26062	1.24467	1.00000	0.85s
9549	0.26283	0.25864	1.01620	1.00000	0.84s
9550	0.27558	0.27895	0.98792	1.00000	0.85s
9551	0.29389	0.29786	0.98666	0.96667	0.85s
9552	0.31700	0.28416	1.11558	1.00000	0.85s
9553	0.29503	0.25795	1.14374	1.00000	0.85s
9554	0.29572	0.26271	1.12565	1.00000	0.85s
9555	0.26696	0.28623	0.93268	0.96667	0.85s
9556	0.26730	0.28208	0.94758	1.00000	0.84s
9557	0.26760	0.26428	1.01257	1.00000	0.85s
9558	0.26661	0.29906	0.89152	1.00000	0.84s
9559	0.26483	0.24929	1.06234	1.00000	0.85s
9560	0.30883	0.25479	1.21207	1.00000	0.85s

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   9561       0.26349       0.25196       1.04575       1.00000  0.85s
   9562       0.26598       0.25445       1.04529       1.00000  0.85s
   9563       0.25248       0.25464       0.99153       1.00000  0.85s
   9564       0.27406       0.26486       1.03476       1.00000  0.84s
   9565       0.27020       0.28814       0.93773       1.00000  0.85s
   9566       0.27638       0.24975       1.10663       1.00000  0.84s
   9567       0.27711       0.33089       0.83747       1.00000  0.85s
   9568       0.30991       0.25097       1.23487       1.00000  0.85s
   9569       0.26815       0.26846       0.99883       1.00000  0.84s
   9570       0.27822       0.27732       1.00328       1.00000  0.85s
   9571       0.37674       0.28702       1.31260       1.00000  0.85s
   9572       0.29129       0.25462       1.14402       1.00000  0.85s
   9573       0.25896       0.25808       1.00340       1.00000  0.84s
   9574       0.29342       0.36879       0.79562       0.93333  0.84s
   9575       0.25683       0.25254       1.01697       1.00000  0.87s
   9576       0.26788       0.27095       0.98867       1.00000  0.86s
   9577       0.27132       0.26506       1.02359       1.00000  0.86s
   9578       0.26518       0.33348       0.79520       0.96667  0.85s
   9579       0.26819       0.26620       1.00748       1.00000  0.84s
   9580       0.27299       0.27811       0.98157       1.00000  0.84s
   9581       0.30078       0.25606       1.17463       1.00000  0.84s
   9582       0.26336       0.24940       1.05597       1.00000  0.85s
   9583       0.28163       0.25654       1.09781       1.00000  0.85s
   9584       0.26509       0.25567       1.03683       1.00000  0.85s
   9585       0.30890       0.26086       1.18419       1.00000  0.85s
   9586       0.27032       0.26723       1.01154       1.00000  0.85s
   9587       0.28503       0.30315       0.94025       0.96667  0.85s
   9588       0.32118       0.25780       1.24586       1.00000  0.85s
   9589       0.26713       0.32578       0.81996       0.96667  0.85s
   9590       0.25768       0.25552       1.00844       1.00000  0.84s
   9591       0.26111       0.25819       1.01133       1.00000  0.84s
   9592       0.26726       0.25272       1.05756       1.00000  0.85s
   9593       0.25833       0.27523       0.93860       1.00000  0.85s
   9594       0.26263       0.27214       0.96507       1.00000  0.85s
   9595       0.30536       0.34283       0.89069       0.96667  0.85s
   9596       0.34513       0.26653       1.29487       1.00000  0.85s
   9597       0.27685       0.24946       1.10982       1.00000  0.85s
   9598       0.31385       0.26801       1.17104       1.00000  0.84s
   9599       0.26534       0.28351       0.93592       1.00000  0.85s
   9600       0.26763       0.25995       1.02956       1.00000  0.85s
Regularization term: 0.244912520051
2016-07-02 18:27:32,022 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:27:39,016 - root - INFO - Duration of validation: 0:00:06
   9601       0.29731       0.24921       1.19303       1.00000  0.86s
   9602       0.27882       0.26411       1.05569       1.00000  0.85s
   9603       0.26179       0.26126       1.00202       1.00000  0.85s
   9604       0.27237       0.25521       1.06723       1.00000  0.85s
   9605       0.26547       0.30408       0.87304       1.00000  0.85s
   9606       0.26323       0.31378       0.83890       0.96667  0.86s
   9607       0.27937       0.25597       1.09144       1.00000  0.84s
   9608       0.28381       0.26926       1.05403       1.00000  0.84s
   9609       0.29056       0.36290       0.80064       0.93333  0.84s
   9610       0.28756       0.32020       0.89807       0.96667  0.84s
   9611       0.30979       0.45121       0.68659       0.96667  0.85s
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9612	0.26940	0.25958	1.03782	1.00000	0.84s
9613	0.27127	0.39195	0.69209	0.93333	0.85s
9614	0.26224	0.26621	0.98508	1.00000	0.85s
9615	0.25538	0.26385	0.96793	1.00000	0.84s
9616	0.27348	0.29345	0.93196	0.96667	0.85s
9617	0.26122	0.25635	1.01899	1.00000	0.84s
9618	0.26269	0.27285	0.96275	1.00000	0.85s
9619	0.33676	0.26325	1.27926	1.00000	0.84s
9620	0.26543	0.29573	0.89752	1.00000	0.85s
9621	0.26859	0.25505	1.05307	1.00000	0.85s
9622	0.27662	0.29121	0.94991	1.00000	0.84s
9623	0.25203	0.29497	0.85442	0.96667	0.84s
9624	0.27699	0.25894	1.06968	1.00000	0.84s
9625	0.27282	0.33098	0.82429	0.96667	0.86s
9626	0.28408	0.33246	0.85447	0.96667	0.84s
9627	0.27110	0.26735	1.01401	1.00000	0.85s
9628	0.26806	0.31956	0.83884	0.96667	0.85s
9629	0.27038	0.27959	0.96708	1.00000	0.85s
9630	0.29233	0.30898	0.94613	0.96667	0.84s
9631	0.34349	0.38462	0.89307	0.96667	0.84s
9632	0.27713	0.25373	1.09225	1.00000	0.85s
9633	0.30649	0.29964	1.02286	0.96667	0.85s
9634	0.25817	0.27685	0.93255	1.00000	0.84s
9635	0.27947	0.47355	0.59017	0.93333	0.85s
9636	0.26117	0.31889	0.81900	0.96667	0.85s
9637	0.29074	0.25536	1.13854	1.00000	0.85s
9638	0.26237	0.25846	1.01511	1.00000	0.84s
9639	0.25989	0.24982	1.04028	1.00000	0.84s
9640	0.26083	0.26404	0.98785	1.00000	0.86s
9641	0.26980	0.42133	0.64035	0.96667	0.85s
9642	0.26879	0.25097	1.07101	1.00000	0.85s
9643	0.27287	0.25764	1.05912	1.00000	0.85s
9644	0.26800	0.26742	1.00215	1.00000	0.85s
9645	0.28543	0.36336	0.78553	0.93333	0.85s
9646	0.30782	0.28827	1.06781	1.00000	0.85s
9647	0.27973	0.25991	1.07626	1.00000	0.84s
9648	0.26443	0.32192	0.82140	0.96667	0.86s
9649	0.26317	0.25175	1.04536	1.00000	0.85s
9650	0.29441	0.26146	1.12600	1.00000	0.85s
9651	0.26689	0.29021	0.91966	0.96667	0.85s
9652	0.27085	0.32133	0.84290	0.96667	0.85s
9653	0.27103	0.25903	1.04635	1.00000	0.85s
9654	0.29434	0.25691	1.14572	1.00000	0.84s
9655	0.26971	0.28009	0.96296	1.00000	0.84s
9656	0.26506	0.25019	1.05945	1.00000	0.86s
9657	0.26660	0.28722	0.92819	1.00000	0.84s
9658	0.26357	0.26560	0.99238	1.00000	0.85s
9659	0.26535	0.36463	0.72772	0.96667	0.85s
9660	0.25452	0.25497	0.99825	1.00000	0.84s
9661	0.28633	0.26149	1.09501	1.00000	0.85s
9662	0.26711	0.29702	0.89930	0.96667	0.85s
9663	0.29024	0.25045	1.15887	1.00000	0.85s
9664	0.29481	0.33099	0.89070	0.93333	0.86s
9665	0.27222	0.29610	0.91936	1.00000	0.85s

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   9666       0.26176       0.31015       0.84396       0.96667  0.85s
   9667       0.30279       0.25093       1.20664       1.00000  0.84s
   9668       0.29261       0.26161       1.11852       1.00000  0.85s
   9669       0.27831       0.26002       1.07032       1.00000  0.85s
   9670       0.28147       0.27141       1.03707       1.00000  0.84s
   9671       0.26701       0.25936       1.02950       1.00000  0.85s
   9672       0.27246       0.25382       1.07344       1.00000  0.85s
   9673       0.27619       0.26151       1.05613       1.00000  0.85s
   9674       0.26868       0.25876       1.03837       1.00000  0.85s
   9675       0.25818       0.25795       1.00090       1.00000  0.86s
   9676       0.28189       0.25289       1.11469       1.00000  0.85s
   9677       0.25841       0.43911       0.58850       0.93333  0.84s
   9678       0.26191       0.25014       1.04708       1.00000  0.84s
   9679       0.25861       0.29197       0.88573       1.00000  0.84s
   9680       0.28065       0.28024       1.00147       0.96667  0.85s
   9681       0.26816       0.25791       1.03974       1.00000  0.85s
   9682       0.26059       0.25681       1.01474       1.00000  0.85s
   9683       0.33169       0.25064       1.32336       1.00000  0.85s
   9684       0.32522       0.26191       1.24174       1.00000  0.85s
   9685       0.26352       0.31634       0.83303       1.00000  0.85s
   9686       0.26544       0.26832       0.98928       1.00000  0.85s
   9687       0.26226       0.33594       0.78067       0.96667  0.85s
   9688       0.28491       0.28030       1.01643       1.00000  0.85s
   9689       0.27037       0.27178       0.99482       1.00000  0.85s
   9690       0.27635       0.27797       0.99416       1.00000  0.84s
   9691       0.27229       0.25792       1.05569       1.00000  0.85s
   9692       0.25634       0.30149       0.85025       1.00000  0.86s
   9693       0.33164       0.26239       1.26392       1.00000  0.85s
   9694       0.28675       0.50557       0.56717       0.96667  0.86s
   9695       0.26125       0.31662       0.82512       0.96667  0.85s
   9696       0.30051       0.26878       1.11803       1.00000  0.85s
   9697       0.26525       0.30521       0.86910       0.96667  0.85s
   9698       0.27296       0.25539       1.06883       1.00000  0.85s
   9699       0.26499       0.25540       1.03755       1.00000  0.85s
   9700       0.27093       0.27869       0.97217       1.00000  0.85s
Regularization term: 0.246223002672
2016-07-02 18:29:11,490 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:29:17,703 - root - INFO - Duration of validation: 0:00:06
   9701       0.34344       0.26580       1.29207       1.00000  0.85s
   9702       0.33803       0.25551       1.32299       1.00000  0.85s
   9703       0.29152       0.30791       0.94676       0.96667  0.85s
   9704       0.26646       0.28810       0.92489       1.00000  0.85s
   9705       0.25080       0.26203       0.95716       1.00000  0.84s
   9706       0.25921       0.25744       1.00687       1.00000  0.84s
   9707       0.29082       0.25608       1.13565       1.00000  0.85s
   9708       0.28109       0.40593       0.69245       0.96667  0.85s
   9709       0.26414       0.25848       1.02187       1.00000  0.85s
   9710       0.25566       0.25468       1.00384       1.00000  0.85s
   9711       0.26652       0.30858       0.86372       0.96667  0.85s
   9712       0.29681       0.27088       1.09572       1.00000  0.84s
   9713       0.25150       0.26461       0.95047       1.00000  0.85s
   9714       0.26063       0.29948       0.87029       1.00000  0.85s
   9715       0.37167       0.27367       1.35808       1.00000  0.85s
   9716       0.32139       0.25475       1.26162       1.00000  0.85s
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9717	0.27644	0.26846	1.02973	1.00000	0.85s
9718	0.25885	0.28244	0.91648	1.00000	0.84s
9719	0.27333	0.31108	0.87865	0.96667	0.85s
9720	0.31210	0.25947	1.20281	1.00000	0.86s
9721	0.29191	0.25939	1.12538	1.00000	0.85s
9722	0.25908	0.30123	0.86010	0.96667	0.85s
9723	0.31226	0.34473	0.90581	0.96667	0.84s
9724	0.28038	0.34522	0.81217	0.96667	0.86s
9725	0.32026	0.25462	1.25776	1.00000	0.85s
9726	0.30258	0.25176	1.20185	1.00000	0.85s
9727	0.25556	0.31559	0.80979	1.00000	0.85s
9728	0.27674	0.38253	0.72346	0.96667	0.84s
9729	0.28340	0.30255	0.93670	0.96667	0.85s
9730	0.26202	0.25371	1.03276	1.00000	0.85s
9731	0.31863	0.25049	1.27201	1.00000	0.85s
9732	0.28221	0.25414	1.11046	1.00000	0.85s
9733	0.29875	0.28642	1.04305	0.96667	0.84s
9734	0.27819	0.25441	1.09347	1.00000	0.85s
9735	0.32383	0.27640	1.17159	1.00000	0.84s
9736	0.27262	0.25184	1.08255	1.00000	0.85s
9737	0.36303	0.26292	1.38075	1.00000	0.85s
9738	0.26870	0.27965	0.96081	1.00000	0.85s
9739	0.25462	0.28195	0.90304	1.00000	0.84s
9740	0.28072	0.25387	1.10578	1.00000	0.84s
9741	0.26431	0.25382	1.04133	1.00000	0.84s
9742	0.26159	0.33831	0.77322	0.96667	0.86s
9743	0.29691	0.37130	0.79965	0.96667	0.85s
9744	0.29903	0.27466	1.08875	1.00000	0.86s
9745	0.26613	0.33901	0.78503	0.96667	0.86s
9746	0.26076	0.29546	0.88256	1.00000	0.85s
9747	0.26838	0.30695	0.87436	1.00000	0.85s
9748	0.25626	0.40163	0.63805	0.96667	0.85s
9749	0.26828	0.28974	0.92592	1.00000	0.85s
9750	0.27500	0.27340	1.00585	1.00000	0.85s
9751	0.28660	0.36601	0.78305	0.96667	0.84s
9752	0.26005	0.32122	0.80958	0.96667	0.85s
9753	0.27313	0.39771	0.68677	0.93333	0.85s
9754	0.27765	0.37105	0.74826	0.96667	0.85s
9755	0.25783	0.26835	0.96077	1.00000	0.85s
9756	0.28598	0.40376	0.70829	0.96667	0.84s
9757	0.26400	0.37230	0.70909	0.96667	0.85s
9758	0.27756	0.28383	0.97789	1.00000	0.85s
9759	0.28355	0.38111	0.74401	0.96667	0.85s
9760	0.30166	0.28035	1.07601	1.00000	0.84s
9761	0.26583	0.26062	1.01998	1.00000	0.85s
9762	0.35339	0.28994	1.21884	1.00000	0.85s
9763	0.27527	0.32032	0.85935	1.00000	0.85s
9764	0.26441	0.26741	0.98876	1.00000	0.84s
9765	0.33638	0.26325	1.27781	1.00000	0.85s
9766	0.26448	0.25753	1.02698	1.00000	0.84s
9767	0.28193	0.34253	0.82309	0.93333	0.84s
9768	0.26807	0.37929	0.70676	0.96667	0.85s
9769	0.28962	0.36136	0.80148	0.93333	0.86s
9770	0.33113	0.28483	1.16255	1.00000	0.84s

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   9771       0.26746       0.27631       0.96797       1.00000  0.86s
   9772       0.28506       0.39283       0.72565       0.93333  0.85s
   9773       0.30893       0.35416       0.87229       0.96667  0.84s
   9774       0.28619       0.29387       0.97385       1.00000  0.85s
   9775       0.26861       0.26595       1.00999       1.00000  0.84s
   9776       0.26737       0.27564       0.96999       1.00000  0.86s
   9777       0.28680       0.29319       0.97820       1.00000  0.85s
   9778       0.28831       0.34745       0.82980       0.96667  0.85s
   9779       0.36466       0.32822       1.11104       0.96667  0.84s
   9780       0.27492       0.25621       1.07302       1.00000  0.84s
   9781       0.27714       0.26085       1.06246       1.00000  0.85s
   9782       0.34357       0.25640       1.34001       1.00000  0.85s
   9783       0.29975       0.25527       1.17423       1.00000  0.85s
   9784       0.27737       0.28858       0.96118       0.96667  0.85s
   9785       0.27020       0.25559       1.05718       1.00000  0.85s
   9786       0.32207       0.25236       1.27622       1.00000  0.85s
   9787       0.27869       0.26067       1.06913       1.00000  0.85s
   9788       0.31172       0.25791       1.20863       1.00000  0.85s
   9789       0.27096       0.27969       0.96881       1.00000  0.84s
   9790       0.28376       0.27949       1.01528       1.00000  0.84s
   9791       0.26929       0.28602       0.94150       1.00000  0.84s
   9792       0.26118       0.27654       0.94445       1.00000  0.85s
   9793       0.29964       0.29005       1.03308       0.96667  0.85s
   9794       0.27781       0.26442       1.05064       1.00000  0.85s
   9795       0.27974       0.25768       1.08564       1.00000  0.85s
   9796       0.27773       0.25282       1.09854       1.00000  0.85s
   9797       0.28498       0.28531       0.99885       0.96667  0.84s
   9798       0.27420       0.25846       1.06092       1.00000  0.84s
   9799       0.26244       0.26185       1.00225       1.00000  0.84s
   9800       0.27791       0.26294       1.05694       1.00000  0.86s
Regularization term: 0.247016102076
2016-07-02 18:30:50,127 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:30:55,349 - root - INFO - Duration of validation: 0:00:05
   9801       0.26943       0.25711       1.04789       1.00000  0.85s
   9802       0.28608       0.26994       1.05980       1.00000  0.84s
   9803       0.26064       0.27294       0.95492       1.00000  0.84s
   9804       0.33721       0.27417       1.22994       1.00000  0.84s
   9805       0.26092       0.27635       0.94418       1.00000  0.85s
   9806       0.27976       0.26815       1.04331       1.00000  0.85s
   9807       0.27988       0.27042       1.03497       1.00000  0.84s
   9808       0.33737       0.27755       1.21555       1.00000  0.85s
   9809       0.28133       0.25160       1.11816       1.00000  0.84s
   9810       0.26713       0.31552       0.84664       0.96667  0.86s
   9811       0.27946       0.27751       1.00703       1.00000  0.85s
   9812       0.36055       0.25451       1.41664       1.00000  0.85s
   9813       0.28363       0.29388       0.96512       1.00000  0.84s
   9814       0.31012       0.26217       1.18290       1.00000  0.85s
   9815       0.32214       0.25463       1.26512       1.00000  0.85s
   9816       0.26958       0.31172       0.86481       0.96667  0.85s
   9817       0.28659       0.26752       1.07129       1.00000  0.85s
   9818       0.27272       0.26899       1.01384       1.00000  0.85s
   9819       0.25656       0.26147       0.98124       1.00000  0.85s
   9820       0.29026       0.25636       1.13224       1.00000  0.84s
   9821       0.26990       0.27644       0.97633       1.00000  0.84s
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9822	0.27206	0.27286	0.99706	1.00000	0.85s
9823	0.25792	0.28268	0.91239	1.00000	0.85s
9824	0.25534	0.25418	1.00456	1.00000	0.84s
9825	0.29950	0.26654	1.12366	1.00000	0.84s
9826	0.27892	0.26221	1.06372	1.00000	0.85s
9827	0.30422	0.26364	1.15394	1.00000	0.84s
9828	0.26042	0.34373	0.75765	0.96667	0.84s
9829	0.27135	0.26199	1.03572	1.00000	0.84s
9830	0.26558	0.25474	1.04254	1.00000	0.85s
9831	0.34329	0.28645	1.19843	1.00000	0.85s
9832	0.26482	0.27461	0.96433	1.00000	0.84s
9833	0.30002	0.25664	1.16905	1.00000	0.85s
9834	0.30096	0.25987	1.15815	1.00000	0.86s
9835	0.30050	0.25539	1.17665	1.00000	0.85s
9836	0.27956	0.38379	0.72842	0.96667	0.85s
9837	0.26377	0.26805	0.98404	1.00000	0.84s
9838	0.26694	0.28212	0.94618	1.00000	0.85s
9839	0.26800	0.26050	1.02878	1.00000	0.85s
9840	0.26292	0.29313	0.89696	1.00000	0.85s
9841	0.25790	0.25626	1.00640	1.00000	0.86s
9842	0.30398	0.26364	1.15304	1.00000	0.85s
9843	0.28311	0.26938	1.05095	1.00000	0.85s
9844	0.29088	0.26107	1.11416	1.00000	0.85s
9845	0.31468	0.25365	1.24063	1.00000	0.85s
9846	0.31533	0.28919	1.09040	1.00000	0.85s
9847	0.27574	0.27442	1.00482	1.00000	0.84s
9848	0.26372	0.25503	1.03410	1.00000	0.85s
9849	0.28024	0.38376	0.73025	0.93333	0.85s
9850	0.28105	0.34054	0.82529	0.96667	0.84s
9851	0.34014	0.28488	1.19399	1.00000	0.85s
9852	0.33617	0.27128	1.23924	1.00000	0.86s
9853	0.26186	0.26922	0.97266	1.00000	0.85s
9854	0.29225	0.43478	0.67217	0.96667	0.85s
9855	0.27172	0.41166	0.66004	0.90000	0.85s
9856	0.28489	0.26847	1.06116	1.00000	0.85s
9857	0.28042	0.26301	1.06619	1.00000	0.85s
9858	0.28004	0.29169	0.96005	1.00000	0.85s
9859	0.26293	0.26095	1.00759	1.00000	0.84s
9860	0.26411	0.34711	0.76089	0.93333	0.85s
9861	0.28519	0.32133	0.88754	1.00000	0.85s
9862	0.27744	0.27569	1.00632	1.00000	0.84s
9863	0.27567	0.31092	0.88663	1.00000	0.85s
9864	0.32815	0.29441	1.11461	0.96667	0.85s
9865	0.32557	0.26245	1.24054	1.00000	0.85s
9866	0.28610	0.30750	0.93042	1.00000	0.85s
9867	0.27066	0.26727	1.01270	1.00000	0.85s
9868	0.32950	0.26091	1.26287	1.00000	0.85s
9869	0.30962	0.30921	1.00133	0.96667	0.85s
9870	0.26442	0.26626	0.99307	1.00000	0.84s
9871	0.25811	0.30974	0.83333	0.93333	0.85s
9872	0.27209	0.25821	1.05376	1.00000	0.85s
9873	0.29072	0.29283	0.99277	0.96667	0.85s
9874	0.26316	0.25394	1.03632	1.00000	0.85s
9875	0.27767	0.31818	0.87266	0.96667	0.85s

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   9876       0.28419       0.25892       1.09759       1.00000  0.85s
   9877       0.28996       0.25643       1.13076       1.00000  0.85s
   9878       0.26435       0.26169       1.01017       1.00000  0.84s
   9879       0.26273       0.26885       0.97725       1.00000  0.85s
   9880       0.27090       0.26309       1.02967       1.00000  0.85s
   9881       0.26866       0.27498       0.97704       1.00000  0.85s
   9882       0.25651       0.34592       0.74152       0.96667  0.85s
   9883       0.29197       0.25437       1.14783       1.00000  0.84s
   9884       0.26509       0.29247       0.90641       1.00000  0.86s
   9885       0.27760       0.25979       1.06853       1.00000  0.85s
   9886       0.26778       0.26458       1.01210       1.00000  0.84s
   9887       0.25891       0.25479       1.01617       1.00000  0.84s
   9888       0.30436       0.25397       1.19841       1.00000  0.84s
   9889       0.31973       0.38395       0.83274       0.93333  0.85s
   9890       0.32077       0.28696       1.11781       1.00000  0.85s
   9891       0.26612       0.26829       0.99189       1.00000  0.84s
   9892       0.27751       0.26450       1.04921       1.00000  0.85s
   9893       0.26823       0.26058       1.02937       1.00000  0.85s
   9894       0.33742       0.25803       1.30765       1.00000  0.84s
   9895       0.27537       0.28507       0.96600       1.00000  0.85s
   9896       0.28520       0.26788       1.06464       1.00000  0.86s
   9897       0.26252       0.30044       0.87378       1.00000  0.85s
   9898       0.30281       0.26725       1.13309       1.00000  0.84s
   9899       0.31790       0.26534       1.19808       1.00000  0.86s
   9900       0.30786       0.29049       1.05981       1.00000  0.85s
Regularization term: 0.249636813998
2016-07-02 18:32:27,825 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:32:33,869 - root - INFO - Duration of validation: 0:00:06
   9901       0.32176       0.29460       1.09220       1.00000  0.85s
   9902       0.26832       0.28040       0.95690       1.00000  0.86s
   9903       0.28733       0.26810       1.07173       1.00000  0.85s
   9904       0.30024       0.27095       1.10811       1.00000  0.86s
   9905       0.26831       0.27724       0.96778       1.00000  0.85s
   9906       0.27681       0.27426       1.00928       1.00000  0.85s
   9907       0.29284       0.26417       1.10854       1.00000  0.85s
   9908       0.26127       0.26934       0.97001       1.00000  0.84s
   9909       0.27645       0.33747       0.81918       0.96667  0.85s
   9910       0.30571       0.26200       1.16683       1.00000  0.84s
   9911       0.26612       0.45723       0.58202       0.93333  0.84s
   9912       0.27081       0.25649       1.05582       1.00000  0.85s
   9913       0.26115       0.37985       0.68751       0.96667  0.85s
   9914       0.26045       0.26318       0.98962       1.00000  0.85s
   9915       0.27001       0.31271       0.86344       0.96667  0.85s
   9916       0.27696       0.30322       0.91337       0.96667  0.85s
   9917       0.25982       0.35626       0.72928       0.93333  0.85s
   9918       0.26445       0.28208       0.93749       1.00000  0.85s
   9919       0.26562       0.26076       1.01867       1.00000  0.85s
   9920       0.27047       0.26437       1.02310       1.00000  0.85s
   9921       0.27729       0.35730       0.77605       0.96667  0.85s
   9922       0.28734       0.27339       1.05100       1.00000  0.85s
   9923       0.25959       0.36370       0.71374       0.96667  0.85s
   9924       0.31088       0.27725       1.12131       1.00000  0.85s
   9925       0.25982       0.30890       0.84111       1.00000  0.84s
   9926       0.27641       0.29637       0.93264       1.00000  0.84s
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9927	0.27758	0.31238	0.88861	0.96667	0.85s
9928	0.26911	0.26599	1.01175	1.00000	0.85s
9929	0.27406	0.28517	0.96105	1.00000	0.86s
9930	0.26722	0.30007	0.89053	0.96667	0.85s
9931	0.26432	0.40549	0.65186	0.96667	0.86s
9932	0.25923	0.28213	0.91884	1.00000	0.85s
9933	0.27950	0.26721	1.04599	1.00000	0.84s
9934	0.27527	0.30916	0.89037	0.96667	0.85s
9935	0.27455	0.25817	1.06345	1.00000	0.85s
9936	0.28480	0.25550	1.11470	1.00000	0.85s
9937	0.27499	0.33803	0.81353	0.96667	0.85s
9938	0.27658	0.27046	1.02264	1.00000	0.85s
9939	0.28313	0.26039	1.08731	1.00000	0.85s
9940	0.26235	0.25866	1.01426	1.00000	0.85s
9941	0.25932	0.26659	0.97274	1.00000	0.85s
9942	0.26692	0.26450	1.00913	1.00000	0.85s
9943	0.27135	0.28552	0.95040	1.00000	0.85s
9944	0.30016	0.30123	0.99644	0.96667	0.85s
9945	0.26394	0.29049	0.90860	1.00000	0.85s
9946	0.27480	0.25858	1.06276	1.00000	0.84s
9947	0.34203	0.34321	0.99657	0.96667	0.85s
9948	0.26830	0.28609	0.93782	1.00000	0.85s
9949	0.26144	0.28598	0.91421	1.00000	0.84s
9950	0.27801	0.25439	1.09283	1.00000	0.85s
9951	0.25982	0.25901	1.00312	1.00000	0.85s
9952	0.26949	0.25406	1.06075	1.00000	0.85s
9953	0.27941	0.29995	0.93154	1.00000	0.85s
9954	0.26835	0.26484	1.01323	1.00000	0.84s
9955	0.30798	0.28041	1.09832	1.00000	0.85s
9956	0.26310	0.30307	0.86810	1.00000	0.85s
9957	0.29219	0.32330	0.90378	0.96667	0.85s
9958	0.25947	0.27874	0.93088	1.00000	0.85s
9959	0.27026	0.26479	1.02067	1.00000	0.85s
9960	0.27951	0.33143	0.84334	0.96667	0.84s
9961	0.26794	0.28043	0.95547	1.00000	0.84s
9962	0.26255	0.31400	0.83615	1.00000	0.85s
9963	0.27893	0.25852	1.07897	1.00000	0.85s
9964	0.30072	0.26104	1.15199	1.00000	0.85s
9965	0.28284	0.35060	0.80673	0.96667	0.85s
9966	0.26030	0.26371	0.98708	1.00000	0.85s
9967	0.27465	0.26781	1.02554	1.00000	0.84s
9968	0.29246	0.26002	1.12476	1.00000	0.85s
9969	0.29306	0.26828	1.09237	1.00000	0.85s
9970	0.26267	0.29634	0.88638	1.00000	0.84s
9971	0.26770	0.36099	0.74158	0.96667	0.84s
9972	0.28364	0.28731	0.98721	1.00000	0.85s
9973	0.29527	0.26653	1.10780	1.00000	0.84s
9974	0.26764	0.26762	1.00008	1.00000	0.85s
9975	0.27921	0.34722	0.80412	0.96667	0.84s
9976	0.26380	0.27560	0.95718	1.00000	0.86s
9977	0.26105	0.29322	0.89029	1.00000	0.85s
9978	0.28344	0.27194	1.04229	1.00000	0.85s
9979	0.26265	0.41119	0.63876	0.96667	0.85s
9980	0.28389	0.48263	0.58822	0.93333	0.85s

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   9981       0.28317       0.27479       1.03052       1.00000  0.85s
   9982       0.27297       0.29375       0.92924       0.96667  0.84s
   9983       0.29227       0.27216       1.07388       1.00000  0.85s
   9984       0.28126       0.27957       1.00604       1.00000  0.84s
   9985       0.26866       0.26716       1.00561       1.00000  0.85s
   9986       0.28653       0.26540       1.07964       1.00000  0.87s
   9987       0.27585       0.27335       1.00916       1.00000  0.85s
   9988       0.27477       0.26559       1.03459       1.00000  0.85s
   9989       0.26447       0.26641       0.99272       1.00000  0.86s
   9990       0.27659       0.34184       0.80913       0.96667  0.84s
   9991       0.27509       0.27967       0.98364       1.00000  0.86s
   9992       0.26278       0.29266       0.89791       0.96667  0.84s
   9993       0.32280       0.27002       1.19546       1.00000  0.86s
   9994       0.29468       0.26798       1.09962       1.00000  0.84s
   9995       0.27592       0.27028       1.02089       1.00000  0.85s
   9996       0.26927       0.27206       0.98976       1.00000  0.86s
   9997       0.26843       0.26958       0.99575       1.00000  0.85s
   9998       0.29311       0.28170       1.04050       1.00000  0.84s
   9999       0.27297       0.28187       0.96843       1.00000  0.85s
  10000       0.26393       0.26409       0.99938       1.00000  0.85s
Regularization term: 0.250271171331
2016-07-02 18:34:07,472 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 18:34:13,361 - root - INFO - Duration of validation: 0:00:05
  10001       0.27198       0.27896       0.97501       1.00000  0.85s
  10002       0.28505       0.33909       0.84063       0.96667  0.85s
  10003       0.26218       0.27906       0.93952       1.00000  0.85s
  10004       0.26318       0.31010       0.84871       0.96667  0.85s
  10005       0.29783       0.30377       0.98044       0.96667  0.84s
  10006       0.27208       0.29692       0.91635       1.00000  0.85s
  10007       0.27189       0.36049       0.75424       0.96667  0.85s
  10008       0.30131       0.55221       0.54565       0.83333  0.84s
  10009       0.27505       0.34318       0.80147       0.96667  0.84s
  10010       0.27257       0.32149       0.84782       1.00000  0.85s
  10011       0.26506       0.50352       0.52640       0.93333  0.85s
  10012       0.26265       0.28003       0.93792       1.00000  0.85s
  10013       0.27131       0.26910       1.00821       1.00000  0.85s
  10014       0.26481       0.26313       1.00636       1.00000  0.83s
  10015       0.28192       0.27452       1.02693       1.00000  0.84s
  10016       0.29940       0.36780       0.81402       0.96667  0.84s
  10017       0.27988       0.25524       1.09655       1.00000  0.84s
  10018       0.26550       0.25781       1.02986       1.00000  0.85s
  10019       0.26913       0.27976       0.96199       1.00000  0.85s
  10020       0.25993       0.32858       0.79107       0.96667  0.85s
  10021       0.27701       0.38753       0.71480       0.96667  0.85s
  10022       0.26035       0.25565       1.01837       1.00000  0.84s
  10023       0.28355       0.26663       1.06344       1.00000  0.85s
  10024       0.27072       0.31510       0.85917       0.96667  0.85s
  10025       0.27108       0.25478       1.06396       1.00000  0.85s
  10026       0.28233       0.26513       1.06487       1.00000  0.84s
  10027       0.25977       0.29599       0.87764       0.96667  0.85s
  10028       0.25613       0.28708       0.89218       1.00000  0.84s
  10029       0.35281       0.27660       1.27553       1.00000  0.85s
  10030       0.29573       0.37289       0.79309       0.96667  0.85s
  10031       0.27638       0.26474       1.04396       1.00000  0.84s
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10032	0.26804	0.27652	0.96931	1.00000	0.85s
10033	0.28289	0.25770	1.09774	1.00000	0.84s
10034	0.25999	0.25942	1.00221	1.00000	0.85s
10035	0.30442	0.28483	1.06879	0.96667	0.84s
10036	0.28498	0.26219	1.08694	1.00000	0.85s
10037	0.27134	0.25496	1.06423	1.00000	0.84s
10038	0.26406	0.25811	1.02305	1.00000	0.84s
10039	0.28191	0.34625	0.81420	0.96667	0.84s
10040	0.26114	0.27216	0.95954	1.00000	0.84s
10041	0.26524	0.31656	0.83788	0.96667	0.85s
10042	0.30302	0.25516	1.18757	1.00000	0.84s
10043	0.27214	0.25947	1.04880	1.00000	0.85s
10044	0.32818	0.31149	1.05357	0.96667	0.85s
10045	0.25568	0.25437	1.00515	1.00000	0.85s
10046	0.26337	0.28906	0.91114	1.00000	0.84s
10047	0.27743	0.25201	1.10089	1.00000	0.84s
10048	0.27224	0.31870	0.85424	1.00000	0.85s
10049	0.31874	0.29733	1.07198	0.96667	0.85s
10050	0.26840	0.37963	0.70700	0.93333	0.85s
10051	0.26065	0.33363	0.78126	0.96667	0.85s
10052	0.38609	0.26875	1.43660	1.00000	0.85s
10053	0.26992	0.26416	1.02180	1.00000	0.85s
10054	0.29973	0.26704	1.12241	1.00000	0.85s
10055	0.26120	0.25408	1.02803	1.00000	0.84s
10056	0.25720	0.25730	0.99961	1.00000	0.84s
10057	0.27437	0.34984	0.78426	0.96667	0.85s
10058	0.26725	0.28893	0.92496	1.00000	0.85s
10059	0.29041	0.25529	1.13753	1.00000	0.85s
10060	0.26311	0.34145	0.77057	0.96667	0.85s
10061	0.26504	0.28101	0.94318	1.00000	0.85s
10062	0.30047	0.28589	1.05099	1.00000	0.85s
10063	0.27640	0.35593	0.77656	0.96667	0.84s
10064	0.26566	0.29345	0.90532	1.00000	0.85s
10065	0.26882	0.32396	0.82980	0.96667	0.85s
10066	0.26154	0.39857	0.65620	0.93333	0.85s
10067	0.33785	0.25167	1.34244	1.00000	0.85s
10068	0.32437	0.26571	1.22078	1.00000	0.85s
10069	0.28191	0.27807	1.01381	1.00000	0.85s
10070	0.25789	0.25605	1.00720	1.00000	0.84s
10071	0.28490	0.25782	1.10502	1.00000	0.85s
10072	0.29550	0.25684	1.15051	1.00000	0.85s
10073	0.26837	0.26366	1.01787	1.00000	0.85s
10074	0.26068	0.26980	0.96618	1.00000	0.85s
10075	0.29765	0.27737	1.07314	1.00000	0.85s
10076	0.26934	0.34100	0.78987	0.96667	0.84s
10077	0.28245	0.26494	1.06605	1.00000	0.85s
10078	0.26340	0.26171	1.00646	1.00000	0.84s
10079	0.26589	0.35206	0.75524	0.96667	0.85s
10080	0.29615	0.29785	0.99432	1.00000	0.86s
10081	0.27640	0.27089	1.02032	1.00000	0.85s
10082	0.31534	0.29166	1.08119	1.00000	0.85s
10083	0.26905	0.26064	1.03227	1.00000	0.84s
10084	0.32652	0.26368	1.23835	1.00000	0.85s
10085	0.28669	0.29265	0.97964	0.96667	0.84s

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  10086       0.28304       0.25505       1.10973       1.00000  0.84s
  10087       0.29611       0.27828       1.06410       1.00000  0.84s
  10088       0.26156       0.27177       0.96246       1.00000  0.86s
  10089       0.29937       0.26773       1.11817       1.00000  0.85s
  10090       0.26883       0.26999       0.99572       1.00000  0.85s
  10091       0.26282       0.26611       0.98764       1.00000  0.85s
  10092       0.26691       0.26339       1.01337       1.00000  0.85s
  10093       0.26353       0.26793       0.98356       1.00000  0.85s
  10094       0.28568       0.26469       1.07931       1.00000  0.85s
  10095       0.27674       0.38753       0.71412       0.96667  0.86s
  10096       0.27763       0.25341       1.09561       1.00000  0.85s
  10097       0.26055       0.39125       0.66593       0.93333  0.84s
  10098       0.28886       0.26235       1.10102       1.00000  0.85s
  10099       0.35018       0.30664       1.14197       0.96667  0.85s
  10100       0.30541       0.28536       1.07028       1.00000  0.85s
Regularization term: 0.249059483409
2016-07-02 18:35:45,754 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:35:50,896 - root - INFO - Duration of validation: 0:00:05
  10101       0.25753       0.26318       0.97853       1.00000  0.86s
  10102       0.26466       0.34953       0.75719       0.96667  0.85s
  10103       0.26002       0.25664       1.01314       1.00000  0.83s
  10104       0.27050       0.29423       0.91935       1.00000  0.85s
  10105       0.29792       0.37739       0.78944       0.96667  0.85s
  10106       0.29995       0.27814       1.07844       1.00000  0.84s
  10107       0.28429       0.30345       0.93685       0.96667  0.84s
  10108       0.28479       0.26692       1.06696       1.00000  0.84s
  10109       0.27090       0.26003       1.04178       1.00000  0.84s
  10110       0.29304       0.25505       1.14898       1.00000  0.84s
  10111       0.27078       0.28916       0.93644       0.96667  0.84s
  10112       0.27473       0.28507       0.96373       0.96667  0.85s
  10113       0.29931       0.58325       0.51318       0.90000  0.86s
  10114       0.27278       0.27115       1.00600       1.00000  0.85s
  10115       0.27724       0.26852       1.03244       1.00000  0.85s
  10116       0.27424       0.45626       0.60106       0.93333  0.85s
  10117       0.25972       0.33986       0.76420       0.96667  0.84s
  10118       0.31823       0.26379       1.20640       1.00000  0.84s
  10119       0.26913       0.26085       1.03172       1.00000  0.84s
  10120       0.39677       0.35794       1.10850       0.96667  0.85s
  10121       0.31389       0.27777       1.13003       1.00000  0.86s
  10122       0.27099       0.33154       0.81736       0.96667  0.84s
  10123       0.26795       0.34562       0.77528       0.96667  0.85s
  10124       0.28644       0.26082       1.09824       1.00000  0.84s
  10125       0.26805       0.26665       1.00525       1.00000  0.85s
  10126       0.28245       0.26457       1.06758       1.00000  0.84s
  10127       0.26305       0.31130       0.84499       0.96667  0.85s
  10128       0.27941       0.32284       0.86550       0.96667  0.85s
  10129       0.26293       0.25973       1.01234       1.00000  0.84s
  10130       0.27753       0.26204       1.05909       1.00000  0.85s
  10131       0.28147       0.26798       1.05035       1.00000  0.85s
  10132       0.26202       0.28083       0.93301       1.00000  0.85s
  10133       0.25781       0.28914       0.89165       1.00000  0.84s
  10134       0.29897       0.28725       1.04080       1.00000  0.85s
  10135       0.26640       0.31814       0.83737       1.00000  0.85s
  10136       0.26752       0.27297       0.98004       1.00000  0.85s
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10137	0.29551	0.31068	0.95115	1.00000	0.84s
10138	0.27238	0.26467	1.02915	1.00000	0.85s
10139	0.33599	0.30042	1.11841	0.96667	0.84s
10140	0.27555	0.26852	1.02620	1.00000	0.84s
10141	0.28705	0.37079	0.77417	0.93333	0.85s
10142	0.29356	0.44708	0.65662	0.96667	0.84s
10143	0.26054	0.25942	1.00432	1.00000	0.83s
10144	0.27409	0.27550	0.99487	1.00000	0.86s
10145	0.26584	0.28152	0.94431	1.00000	0.85s
10146	0.27571	0.38601	0.71426	0.96667	0.84s
10147	0.27479	0.28183	0.97500	1.00000	0.85s
10148	0.28817	0.34746	0.82937	0.96667	0.85s
10149	0.29350	0.26570	1.10461	1.00000	0.85s
10150	0.39288	0.38323	1.02516	0.93333	0.84s
10151	0.27735	0.37347	0.74263	0.93333	0.85s
10152	0.26573	0.29223	0.90934	1.00000	0.85s
10153	0.28727	0.27342	1.05065	1.00000	0.85s
10154	0.28429	0.43900	0.64759	0.93333	0.85s
10155	0.26745	0.32162	0.83156	0.96667	0.86s
10156	0.27367	0.70154	0.39010	0.90000	0.85s
10157	0.35582	0.26427	1.34643	1.00000	0.85s
10158	0.27454	0.31012	0.88525	0.96667	0.85s
10159	0.30447	0.29388	1.03603	0.96667	0.85s
10160	0.28639	0.41732	0.68626	0.96667	0.85s
10161	0.34304	0.31838	1.07748	0.96667	0.85s
10162	0.30047	0.28144	1.06760	1.00000	0.85s
10163	0.27093	0.32220	0.84088	0.96667	0.85s
10164	0.28133	0.27526	1.02204	1.00000	0.85s
10165	0.25464	0.34524	0.73758	0.96667	0.85s
10166	0.35400	0.25808	1.37168	1.00000	0.85s
10167	0.28622	0.26333	1.08694	1.00000	0.85s
10168	0.30008	0.34096	0.88008	0.96667	0.85s
10169	0.27577	0.31419	0.87772	0.96667	0.85s
10170	0.28881	0.32399	0.89141	0.96667	0.85s
10171	0.27964	0.25941	1.07798	1.00000	0.85s
10172	0.31422	0.33590	0.93544	0.96667	0.85s
10173	0.27459	0.29093	0.94382	1.00000	0.85s
10174	0.27685	0.33535	0.82555	0.96667	0.85s
10175	0.29684	0.27978	1.06098	1.00000	0.85s
10176	0.28011	0.30573	0.91620	0.96667	0.85s
10177	0.30018	0.29253	1.02616	1.00000	0.85s
10178	0.25552	0.25964	0.98412	1.00000	0.84s
10179	0.26225	0.25841	1.01486	1.00000	0.84s
10180	0.27705	0.26739	1.03611	1.00000	0.84s
10181	0.31154	0.25796	1.20770	1.00000	0.85s
10182	0.31056	0.31413	0.98866	0.96667	0.84s
10183	0.26994	0.26416	1.02189	1.00000	0.85s
10184	0.26421	0.27868	0.94806	1.00000	0.85s
10185	0.26186	0.38743	0.67589	1.00000	0.84s
10186	0.27662	0.27885	0.99199	1.00000	0.85s
10187	0.28459	0.28152	1.01088	1.00000	0.86s
10188	0.28740	0.26887	1.06893	1.00000	0.85s
10189	0.28831	0.34260	0.84153	0.96667	0.85s
10190	0.36241	0.29971	1.20918	1.00000	0.84s

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  10191       0.26799       0.35553       0.75378       1.00000  0.85s
  10192       0.38145       0.31107       1.22624       1.00000  0.85s
  10193       0.29250       0.26151       1.11849       1.00000  0.85s
  10194       0.26878       0.30083       0.89345       0.96667  0.85s
  10195       0.26778       0.36081       0.74217       0.96667  0.84s
  10196       0.28399       0.27377       1.03734       1.00000  0.85s
  10197       0.28385       0.37988       0.74720       0.93333  0.85s
  10198       0.27776       0.28835       0.96328       1.00000  0.85s
  10199       0.26984       0.25774       1.04697       1.00000  0.85s
  10200       0.29159       0.27101       1.07595       1.00000  0.85s
Regularization term: 0.24923196435
2016-07-02 18:37:24,468 - root - INFO - Duration of saving to disk: 0:00:07
2016-07-02 18:37:30,379 - root - INFO - Duration of validation: 0:00:05
  10201       0.26087       0.25870       1.00839       1.00000  0.85s
  10202       0.37805       0.31961       1.18285       0.96667  0.85s
  10203       0.26428       0.26501       0.99726       1.00000  0.84s
  10204       0.25994       0.25187       1.03204       1.00000  0.85s
  10205       0.27839       0.28414       0.97979       1.00000  0.85s
  10206       0.28193       0.26599       1.05994       1.00000  0.85s
  10207       0.27695       0.29965       0.92424       0.96667  0.84s
  10208       0.29168       0.34958       0.83435       0.96667  0.85s
  10209       0.28302       0.28799       0.98275       0.96667  0.85s
  10210       0.26304       0.27404       0.95987       1.00000  0.85s
  10211       0.32577       0.25404       1.28238       1.00000  0.85s
  10212       0.25948       0.27014       0.96056       1.00000  0.84s
  10213       0.26739       0.30858       0.86651       0.96667  0.85s
  10214       0.27398       0.26263       1.04321       1.00000  0.84s
  10215       0.29178       0.28058       1.03991       1.00000  0.84s
  10216       0.26737       0.27314       0.97889       1.00000  0.85s
  10217       0.27643       0.37343       0.74023       0.96667  0.85s
  10218       0.29238       0.25770       1.13459       1.00000  0.85s
  10219       0.28295       0.27606       1.02497       1.00000  0.84s
  10220       0.38911       0.25715       1.51315       1.00000  0.85s
  10221       0.28352       0.47754       0.59371       0.96667  0.85s
  10222       0.27862       0.34379       0.81045       0.96667  0.84s
  10223       0.28574       0.31149       0.91734       0.96667  0.85s
  10224       0.32654       0.31481       1.03727       0.96667  0.85s
  10225       0.28312       0.26747       1.05850       1.00000  0.85s
  10226       0.28996       0.27392       1.05856       1.00000  0.84s
  10227       0.26574       0.30882       0.86050       1.00000  0.84s
  10228       0.26716       0.30815       0.86696       0.96667  0.85s
  10229       0.28239       0.27618       1.02249       1.00000  0.84s
  10230       0.28875       0.26685       1.08207       1.00000  0.85s
  10231       0.25659       0.26089       0.98350       1.00000  0.85s
  10232       0.31123       0.32087       0.96998       0.96667  0.86s
  10233       0.31870       0.26088       1.22161       1.00000  0.85s
  10234       0.27671       0.28088       0.98513       1.00000  0.85s
  10235       0.27000       0.27719       0.97407       1.00000  0.84s
  10236       0.30855       0.26919       1.14622       1.00000  0.86s
  10237       0.32532       0.26523       1.22657       1.00000  0.85s
  10238       0.29316       0.26622       1.10118       1.00000  0.85s
  10239       0.33077       0.26587       1.24411       1.00000  0.84s
  10240       0.26885       0.25512       1.05381       1.00000  0.85s
  10241       0.34195       0.29844       1.14577       1.00000  0.85s
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10242	0.26393	0.33270	0.79331	0.96667	0.84s
10243	0.32656	0.28436	1.14843	1.00000	0.84s
10244	0.28334	0.25912	1.09348	1.00000	0.86s
10245	0.28661	0.27212	1.05323	1.00000	0.85s
10246	0.28500	0.27710	1.02850	1.00000	0.85s
10247	0.27317	0.43365	0.62993	0.93333	0.84s
10248	0.27581	0.26598	1.03693	1.00000	0.85s
10249	0.27753	0.28254	0.98225	1.00000	0.84s
10250	0.28453	0.42120	0.67552	0.96667	0.86s
10251	0.27746	0.30147	0.92036	0.96667	0.85s
10252	0.27750	0.34260	0.81000	0.96667	0.85s
10253	0.26946	0.27999	0.96238	1.00000	0.85s
10254	0.27119	0.27890	0.97234	1.00000	0.85s
10255	0.26252	0.30806	0.85217	0.96667	0.85s
10256	0.27010	0.34328	0.78681	0.96667	0.84s
10257	0.26415	0.31487	0.83891	0.96667	0.86s
10258	0.28331	0.26823	1.05623	1.00000	0.85s
10259	0.26637	0.26459	1.00671	1.00000	0.84s
10260	0.30136	0.33007	0.91304	1.00000	0.85s
10261	0.30751	0.35647	0.86266	0.96667	0.85s
10262	0.28643	0.27713	1.03357	1.00000	0.84s
10263	0.27021	0.30122	0.89705	1.00000	0.85s
10264	0.30936	0.27549	1.12295	1.00000	0.85s
10265	0.27113	0.31571	0.85881	0.96667	0.86s
10266	0.29842	0.27767	1.07473	1.00000	0.85s
10267	0.27524	0.27648	0.99552	1.00000	0.85s
10268	0.26904	0.27293	0.98576	1.00000	0.85s
10269	0.34660	0.26193	1.32323	1.00000	0.85s
10270	0.27433	0.27039	1.01457	1.00000	0.85s
10271	0.25743	0.27877	0.92345	1.00000	0.85s
10272	0.30396	0.26708	1.13806	1.00000	0.85s
10273	0.27500	0.34151	0.80525	0.96667	0.84s
10274	0.26717	0.26954	0.99121	1.00000	0.86s
10275	0.28944	0.26438	1.09478	1.00000	0.85s
10276	0.29915	0.28626	1.04505	1.00000	0.85s
10277	0.29095	0.26566	1.09521	1.00000	0.84s
10278	0.26794	0.28036	0.95568	1.00000	0.85s
10279	0.32285	0.30716	1.05106	0.96667	0.84s
10280	0.27050	0.25933	1.04309	1.00000	0.85s
10281	0.28461	0.26599	1.07003	1.00000	0.85s
10282	0.27995	0.28762	0.97331	1.00000	0.84s
10283	0.29392	0.29584	0.99350	1.00000	0.84s
10284	0.27977	0.25855	1.08205	1.00000	0.85s
10285	0.27081	0.31348	0.86388	0.96667	0.84s
10286	0.27402	0.27023	1.01404	1.00000	0.84s
10287	0.35664	0.34574	1.03154	0.96667	0.85s
10288	0.28682	0.33809	0.84836	1.00000	0.85s
10289	0.33343	0.40830	0.81664	0.96667	0.85s
10290	0.27504	0.30176	0.91145	0.96667	0.84s
10291	0.26964	0.26221	1.02832	1.00000	0.84s
10292	0.26415	0.30242	0.87344	1.00000	0.85s
10293	0.29518	0.27230	1.08402	1.00000	0.85s
10294	0.27874	0.26977	1.03326	1.00000	0.85s
10295	0.27272	0.47269	0.57694	0.96667	0.85s

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  10296       0.29988       0.30957      0.96870      0.96667  0.84s
  10297       0.30391       0.27238      1.11577      1.00000  0.85s
  10298       0.28190       0.25864      1.08995      1.00000  0.84s
  10299       0.27684       0.30955      0.89432      0.96667  0.84s
  10300       0.34472       0.27916      1.23486      1.00000  0.85s
Regularization term: 0.251567751169
2016-07-02 18:39:02,887 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:39:09,176 - root - INFO - Duration of validation: 0:00:06
  10301       0.26450       0.26946      0.98158      1.00000  0.85s
  10302       0.28759       0.32867      0.87502      1.00000  0.85s
  10303       0.27752       0.28714      0.96650      1.00000  0.84s
  10304       0.27760       0.31618      0.87797      0.96667  0.85s
  10305       0.27922       0.26746      1.04398      1.00000  0.84s
  10306       0.29807       0.33906      0.87910      1.00000  0.85s
  10307       0.26362       0.25526      1.03273      1.00000  0.85s
  10308       0.27250       0.37141      0.73368      0.96667  0.85s
  10309       0.27069       0.39984      0.67698      0.90000  0.84s
  10310       0.28753       0.43247      0.66485      0.93333  0.84s
  10311       0.29905       0.26756      1.11769      1.00000  0.84s
  10312       0.27017       0.36088      0.74865      0.96667  0.85s
  10313       0.28229       0.25738      1.09677      1.00000  0.85s
  10314       0.27598       0.34727      0.79471      0.96667  0.86s
  10315       0.30918       0.26734      1.15650      1.00000  0.85s
  10316       0.29435       0.45874      0.64165      0.93333  0.84s
  10317       0.26743       0.29196      0.91598      1.00000  0.85s
  10318       0.29121       0.26347      1.10526      1.00000  0.84s
  10319       0.26752       0.26573      1.00671      1.00000  0.84s
  10320       0.28729       0.33525      0.85692      0.96667  0.85s
  10321       0.32378       0.27088      1.19529      1.00000  0.85s
  10322       0.34680       0.28428      1.21992      1.00000  0.85s
  10323       0.29381       0.28221      1.04109      1.00000  0.86s
  10324       0.26207       0.37056      0.70722      0.93333  0.85s
  10325       0.26016       0.29028      0.89625      0.96667  0.84s
  10326       0.26539       0.41359      0.64166      0.96667  0.86s
  10327       0.31570       0.29073      1.08590      1.00000  0.85s
  10328       0.30522       0.25582      1.19311      1.00000  0.85s
  10329       0.26608       0.35149      0.75701      0.96667  0.86s
  10330       0.30696       0.25366      1.21013      1.00000  0.85s
  10331       0.35821       0.26443      1.35462      1.00000  0.84s
  10332       0.26709       0.31133      0.85792      0.96667  0.84s
  10333       0.32023       0.26755      1.19691      1.00000  0.85s
  10334       0.27850       0.25745      1.08174      1.00000  0.84s
  10335       0.26258       0.27509      0.95452      1.00000  0.84s
  10336       0.28244       0.26014      1.08572      1.00000  0.84s
  10337       0.26577       0.26300      1.01053      1.00000  0.85s
  10338       0.27061       0.27544      0.98246      1.00000  0.85s
  10339       0.28970       0.26766      1.08234      1.00000  0.85s
  10340       0.26867       0.27710      0.96959      1.00000  0.85s
  10341       0.25728       0.26810      0.95966      1.00000  0.84s
  10342       0.28474       0.27586      1.03218      1.00000  0.85s
  10343       0.25877       0.26279      0.98472      1.00000  0.85s
  10344       0.26107       0.25604      1.01964      1.00000  0.84s
  10345       0.27065       0.27817      0.97296      1.00000  0.85s
  10346       0.26306       0.26948      0.97620      1.00000  0.84s
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10347	0.26064	0.25687	1.01464	1.00000	0.86s
10348	0.26227	0.26287	0.99771	1.00000	0.85s
10349	0.28271	0.26134	1.08177	1.00000	0.86s
10350	0.28868	0.26651	1.08321	1.00000	0.85s
10351	0.27588	0.27547	1.00148	1.00000	0.85s
10352	0.27743	0.26735	1.03773	1.00000	0.85s
10353	0.28720	0.51759	0.55487	0.96667	0.85s
10354	0.34705	0.27376	1.26770	1.00000	0.84s
10355	0.26883	0.25681	1.04679	1.00000	0.84s
10356	0.27574	0.28605	0.96395	1.00000	0.85s
10357	0.27908	0.27724	1.00663	1.00000	0.85s
10358	0.32295	0.25670	1.25809	1.00000	0.85s
10359	0.26560	0.32296	0.82240	0.96667	0.84s
10360	0.26339	0.30419	0.86588	1.00000	0.85s
10361	0.27595	0.28234	0.97738	0.96667	0.86s
10362	0.27087	0.29681	0.91259	0.96667	0.84s
10363	0.28657	0.25739	1.11340	1.00000	0.85s
10364	0.28567	0.27342	1.04477	1.00000	0.85s
10365	0.26346	0.26466	0.99545	1.00000	0.85s
10366	0.27687	0.27367	1.01171	1.00000	0.85s
10367	0.26256	0.29857	0.87939	0.96667	0.85s
10368	0.28166	0.30133	0.93471	1.00000	0.85s
10369	0.27568	0.43067	0.64012	0.96667	0.85s
10370	0.28986	0.26307	1.10185	1.00000	0.85s
10371	0.26457	0.28285	0.93537	1.00000	0.85s
10372	0.26564	0.26335	1.00869	1.00000	0.84s
10373	0.29803	0.33726	0.88368	0.93333	0.85s
10374	0.26981	0.45589	0.59182	0.93333	0.84s
10375	0.27214	0.29264	0.92994	1.00000	0.84s
10376	0.26939	0.29008	0.92870	1.00000	0.85s
10377	0.29165	0.30448	0.95785	0.96667	0.86s
10378	0.26180	0.26203	0.99912	1.00000	0.85s
10379	0.28852	0.25672	1.12388	1.00000	0.86s
10380	0.29903	0.29316	1.02004	1.00000	0.85s
10381	0.27566	0.26648	1.03443	1.00000	0.84s
10382	0.28455	0.26184	1.08674	1.00000	0.84s
10383	0.32441	0.26431	1.22739	1.00000	0.85s
10384	0.30408	0.25708	1.18282	1.00000	0.85s
10385	0.27389	0.27799	0.98526	1.00000	0.85s
10386	0.27681	0.30538	0.90642	0.96667	0.85s
10387	0.30201	0.26760	1.12861	1.00000	0.85s
10388	0.28977	0.28861	1.00402	1.00000	0.84s
10389	0.25976	0.27017	0.96147	1.00000	0.85s
10390	0.26776	0.25890	1.03424	1.00000	0.84s
10391	0.28571	0.27945	1.02241	1.00000	0.85s
10392	0.28454	0.26559	1.07136	1.00000	0.84s
10393	0.26844	0.25677	1.04543	1.00000	0.86s
10394	0.27285	0.27504	0.99204	1.00000	0.85s
10395	0.27047	0.26610	1.01641	1.00000	0.85s
10396	0.29846	0.26606	1.12179	1.00000	0.85s
10397	0.26189	0.28514	0.91843	1.00000	0.85s
10398	0.25797	0.28750	0.89731	1.00000	0.85s
10399	0.26100	0.28177	0.92628	1.00000	0.85s
10400	0.28117	0.26335	1.06765	1.00000	0.86s

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Regularization term: 0.252355694771
2016-07-02 18:40:41,766 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:40:47,400 - root - INFO - Duration of validation: 0:00:05
  10401       0.27102       0.27830      0.97385      1.00000  0.85s
  10402       0.26937       0.27652      0.97414      1.00000  0.84s
  10403       0.26409       0.26204      1.00783      1.00000  0.84s
  10404       0.25878       0.27640      0.93624      1.00000  0.84s
  10405       0.28199       0.27018      1.04371      1.00000  0.84s
  10406       0.26040       0.26579      0.97971      1.00000  0.85s
  10407       0.39495       0.55404      0.71285      0.93333  0.85s
  10408       0.28820       0.26698      1.07946      1.00000  0.85s
  10409       0.26342       0.28823      0.91391      0.96667  0.86s
  10410       0.27456       0.33645      0.81606      0.96667  0.85s
  10411       0.29206       0.27948      1.04501      1.00000  0.84s
  10412       0.28703       0.28833      0.99549      1.00000  0.84s
  10413       0.28575       0.28519      1.00197      1.00000  0.85s
  10414       0.31262       0.26477      1.18071      1.00000  0.85s
  10415       0.27047       0.37223      0.72661      0.96667  0.86s
  10416       0.32081       0.25716      1.24749      1.00000  0.84s
  10417       0.27102       0.25680      1.05540      1.00000  0.85s
  10418       0.27363       0.27502      0.99496      1.00000  0.85s
  10419       0.27666       0.28027      0.98709      1.00000  0.84s
  10420       0.31805       0.25454      1.24949      1.00000  0.85s
  10421       0.27765       0.25911      1.07156      1.00000  0.85s
  10422       0.27117       0.30489      0.88941      1.00000  0.84s
  10423       0.26869       0.26138      1.02798      1.00000  0.84s
  10424       0.27263       0.26823      1.01640      1.00000  0.85s
  10425       0.27383       0.25985      1.05382      1.00000  0.85s
  10426       0.26635       0.28032      0.95018      1.00000  0.85s
  10427       0.26587       0.26442      1.00550      1.00000  0.84s
  10428       0.37585       0.27310      1.37620      1.00000  0.85s
  10429       0.30262       0.26195      1.15529      1.00000  0.84s
  10430       0.35057       0.28393      1.23469      1.00000  0.86s
  10431       0.27532       0.32772      0.84010      0.96667  0.85s
  10432       0.29632       0.27583      1.07431      1.00000  0.84s
  10433       0.27514       0.29632      0.92851      0.96667  0.84s
  10434       0.26639       0.26202      1.01667      1.00000  0.85s
  10435       0.29395       0.32759      0.89731      0.96667  0.85s
  10436       0.35237       0.25493      1.38222      1.00000  0.85s
  10437       0.32079       0.27255      1.17702      1.00000  0.84s
  10438       0.27824       0.27100      1.02672      1.00000  0.84s
  10439       0.27924       0.26122      1.06899      1.00000  0.85s
  10440       0.26384       0.39306      0.67123      0.96667  0.86s
  10441       0.26967       0.25945      1.03940      1.00000  0.85s
  10442       0.29844       0.36361      0.82077      0.96667  0.86s
  10443       0.27335       0.39208      0.69718      0.96667  0.84s
  10444       0.29825       0.29716      1.00367      0.96667  0.85s
  10445       0.30099       0.25947      1.16005      1.00000  0.84s
  10446       0.28638       0.26032      1.10012      1.00000  0.85s
  10447       0.26555       0.26363      1.00731      1.00000  0.84s
  10448       0.27318       0.26056      1.04841      1.00000  0.84s
  10449       0.28305       0.37399      0.75684      0.93333  0.86s
  10450       0.39836       0.25938      1.53582      1.00000  0.85s
  10451       0.30099       0.26541      1.13406      1.00000  0.86s
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  10452       0.26953       0.25936       1.03922       1.00000  0.85s
  10453       0.32361       0.27799       1.16413       1.00000  0.85s
  10454       0.28234       0.37409       0.75475       0.96667  0.85s
  10455       0.27060       0.31612       0.85599       0.96667  0.85s
  10456       0.29830       0.25754       1.15828       1.00000  0.85s
  10457       0.26177       0.29592       0.88461       0.96667  0.84s
  10458       0.26941       0.26404       1.02035       1.00000  0.84s
  10459       0.27554       0.30493       0.90361       1.00000  0.84s
  10460       0.31158       0.26640       1.16956       1.00000  0.85s
  10461       0.28530       0.30633       0.93137       0.96667  0.85s
  10462       0.27131       0.27594       0.98324       1.00000  0.85s
  10463       0.32210       0.27679       1.16369       1.00000  0.84s
  10464       0.28961       0.25759       1.12430       1.00000  0.85s
  10465       0.30188       0.27568       1.09505       1.00000  0.85s
  10466       0.34423       0.26310       1.30837       1.00000  0.85s
  10467       0.26624       0.29748       0.89498       1.00000  0.85s
  10468       0.28337       0.27802       1.01924       1.00000  0.84s
  10469       0.31526       0.31861       0.98947       0.96667  0.85s
  10470       0.30494       0.30277       1.00713       0.96667  0.85s
  10471       0.28443       0.25890       1.09861       1.00000  0.84s
  10472       0.26102       0.28295       0.92251       1.00000  0.86s
  10473       0.28608       0.28555       1.00184       1.00000  0.85s
  10474       0.29946       0.25995       1.15198       1.00000  0.84s
  10475       0.27600       0.27228       1.01368       1.00000  0.84s
  10476       0.29003       0.27392       1.05880       1.00000  0.85s
  10477       0.29012       0.28728       1.00989       1.00000  0.84s
  10478       0.27732       0.28909       0.95927       1.00000  0.84s
  10479       0.26352       0.33364       0.78984       0.96667  0.85s
  10480       0.29166       0.26691       1.09273       1.00000  0.85s
  10481       0.27060       0.29619       0.91360       0.96667  0.85s
  10482       0.27693       0.28561       0.96959       1.00000  0.86s
  10483       0.26729       0.27773       0.96240       1.00000  0.85s
  10484       0.26572       0.26954       0.98582       1.00000  0.85s
  10485       0.28859       0.26078       1.10661       1.00000  0.84s
  10486       0.27393       0.36376       0.75306       0.96667  0.85s
  10487       0.33400       0.39824       0.83868       0.96667  0.84s
  10488       0.29374       0.40136       0.73186       0.96667  0.86s
  10489       0.28791       0.25884       1.11231       1.00000  0.86s
  10490       0.26735       0.26278       1.01741       1.00000  0.85s
  10491       0.26776       0.26164       1.02340       1.00000  0.85s
  10492       0.28039       0.26634       1.05276       1.00000  0.85s
  10493       0.32052       0.26440       1.21225       1.00000  0.85s
  10494       0.27574       0.27164       1.01509       1.00000  0.85s
  10495       0.27447       0.28175       0.97416       1.00000  0.85s
  10496       0.26269       0.25640       1.02452       1.00000  0.85s
  10497       0.30569       0.27762       1.10109       1.00000  0.85s
  10498       0.30283       0.29032       1.04309       1.00000  0.84s
  10499       0.27659       0.25635       1.07893       1.00000  0.84s
  10500       0.30554       0.36502       0.83704       0.96667  0.85s
Regularization term: 0.251128196716
2016-07-02 18:42:19,971 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:42:26,025 - root - INFO - Duration of validation: 0:00:06
  10501       0.27770       0.25560       1.08645       1.00000  0.84s
  10502       0.30402       0.26231       1.15901       1.00000  0.85s
```

10503	0.29079	0.25702	1.13139	1.00000	0.85s
10504	0.26495	0.26573	0.99706	1.00000	0.85s
10505	0.28509	0.37800	0.75421	0.96667	0.85s
10506	0.25746	0.25561	1.00721	1.00000	0.84s
10507	0.25999	0.30036	0.86561	1.00000	0.84s
10508	0.28246	0.27852	1.01413	1.00000	0.85s
10509	0.27222	0.26114	1.04242	1.00000	0.85s
10510	0.29396	0.26044	1.12869	1.00000	0.84s
10511	0.28560	0.26766	1.06702	1.00000	0.84s
10512	0.28525	0.27118	1.05186	1.00000	0.85s
10513	0.26596	0.28356	0.93793	1.00000	0.86s
10514	0.28544	0.28634	0.99687	1.00000	0.85s
10515	0.29129	0.27877	1.04490	1.00000	0.85s
10516	0.26426	0.34516	0.76560	0.96667	0.85s
10517	0.27198	0.34285	0.79330	1.00000	0.85s
10518	0.27428	0.25649	1.06934	1.00000	0.86s
10519	0.29962	0.30488	0.98276	0.96667	0.84s
10520	0.28952	0.29650	0.97646	1.00000	0.85s
10521	0.29155	0.32268	0.90354	0.96667	0.85s
10522	0.27282	0.27215	1.00246	1.00000	0.85s
10523	0.29888	0.27325	1.09378	1.00000	0.85s
10524	0.28366	0.27768	1.02153	1.00000	0.85s
10525	0.25832	0.26818	0.96322	1.00000	0.85s
10526	0.26870	0.29125	0.92257	1.00000	0.84s
10527	0.33286	0.28781	1.15652	1.00000	0.85s
10528	0.34418	0.25959	1.32587	1.00000	0.86s
10529	0.29151	0.27030	1.07847	1.00000	0.85s
10530	0.28994	0.26101	1.11084	1.00000	0.86s
10531	0.30352	0.26570	1.14234	1.00000	0.85s
10532	0.27455	0.26939	1.01917	1.00000	0.85s
10533	0.26327	0.31302	0.84108	1.00000	0.85s
10534	0.26504	0.27306	0.97065	1.00000	0.85s
10535	0.28679	0.30293	0.94673	0.96667	0.83s
10536	0.27918	0.27435	1.01761	1.00000	0.84s
10537	0.27588	0.27694	0.99615	1.00000	0.85s
10538	0.28464	0.26812	1.06161	1.00000	0.85s
10539	0.26821	0.32747	0.81906	0.96667	0.85s
10540	0.27467	0.29567	0.92898	1.00000	0.85s
10541	0.28946	0.41269	0.70140	0.93333	0.85s
10542	0.33279	0.28189	1.18055	1.00000	0.84s
10543	0.26066	0.29210	0.89238	1.00000	0.85s
10544	0.29477	0.27381	1.07652	1.00000	0.84s
10545	0.27077	0.26806	1.01012	1.00000	0.85s
10546	0.26865	0.26009	1.03290	1.00000	0.86s
10547	0.32975	0.28792	1.14529	1.00000	0.85s
10548	0.26411	0.28000	0.94323	1.00000	0.85s
10549	0.29828	0.26528	1.12440	1.00000	0.85s
10550	0.25915	0.25786	1.00500	1.00000	0.85s
10551	0.28266	0.26203	1.07873	1.00000	0.84s
10552	0.29207	0.37440	0.78010	0.96667	0.85s
10553	0.28057	0.26166	1.07229	1.00000	0.85s
10554	0.26322	0.25972	1.01348	1.00000	0.85s
10555	0.26479	0.26203	1.01053	1.00000	0.85s
10556	0.27266	0.26323	1.03584	1.00000	0.85s

```
  10557       0.26832       0.29028       0.92436       0.96667  0.85s
  10558       0.29252       0.26365       1.10952       1.00000  0.85s
  10559       0.30451       0.26318       1.15703       1.00000  0.85s
  10560       0.27194       0.26847       1.01292       1.00000  0.84s
  10561       0.32091       0.27067       1.18562       1.00000  0.85s
  10562       0.27616       0.26153       1.05593       1.00000  0.84s
  10563       0.26418       0.26221       1.00753       1.00000  0.84s
  10564       0.26394       0.28246       0.93445       1.00000  0.85s
  10565       0.27144       0.26525       1.02335       1.00000  0.85s
  10566       0.35813       0.47207       0.75863       0.96667  0.84s
  10567       0.27323       0.32957       0.82905       0.96667  0.84s
  10568       0.26491       0.26412       1.00300       1.00000  0.85s
  10569       0.33333       0.25802       1.29186       1.00000  0.85s
  10570       0.29532       0.28976       1.01919       1.00000  0.84s
  10571       0.30874       0.26603       1.16052       1.00000  0.84s
  10572       0.28853       0.25628       1.12583       1.00000  0.85s
  10573       0.30900       0.46109       0.67016       0.93333  0.85s
  10574       0.30976       0.26514       1.16828       1.00000  0.84s
  10575       0.33144       0.35281       0.93942       0.96667  0.85s
  10576       0.28013       0.25644       1.09238       1.00000  0.84s
  10577       0.25843       0.30882       0.83685       1.00000  0.86s
  10578       0.27252       0.28223       0.96560       0.96667  0.84s
  10579       0.26864       0.31266       0.85921       1.00000  0.84s
  10580       0.27260       0.27000       1.00962       1.00000  0.85s
  10581       0.27540       0.31386       0.87747       0.96667  0.85s
  10582       0.27627       0.30764       0.89803       0.96667  0.85s
  10583       0.42697       0.30971       1.37864       1.00000  0.85s
  10584       0.26782       0.25857       1.03576       1.00000  0.85s
  10585       0.30778       0.25745       1.19548       1.00000  0.84s
  10586       0.32342       0.33993       0.95141       1.00000  0.85s
  10587       0.29140       0.26819       1.08655       1.00000  0.85s
  10588       0.27533       0.26597       1.03517       1.00000  0.84s
  10589       0.27602       0.25420       1.08585       1.00000  0.85s
  10590       0.26528       0.30089       0.88164       1.00000  0.84s
  10591       0.30474       0.25757       1.18314       1.00000  0.86s
  10592       0.26730       0.26219       1.01951       1.00000  0.85s
  10593       0.29933       0.36848       0.81232       0.96667  0.85s
  10594       0.26731       0.25540       1.04663       1.00000  0.85s
  10595       0.26113       0.28988       0.90082       1.00000  0.85s
  10596       0.36737       0.25961       1.41508       1.00000  0.86s
  10597       0.30959       0.28312       1.09349       1.00000  0.84s
  10598       0.26478       0.48410       0.54695       0.96667  0.85s
  10599       0.30676       0.26148       1.17317       1.00000  0.84s
  10600       0.26787       0.27049       0.99030       1.00000  0.84s
Regularization term: 0.251195758581
2016-07-02 18:43:59,600 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:44:05,526 - root - INFO - Duration of validation: 0:00:05
  10601       0.26260       0.26006       1.00978       1.00000  0.84s
  10602       0.26794       0.26331       1.01755       1.00000  0.85s
  10603       0.26010       0.27170       0.95730       1.00000  0.85s
  10604       0.37214       0.26161       1.42247       1.00000  0.85s
  10605       0.27415       0.25398       1.07942       1.00000  0.85s
  10606       0.27679       0.31690       0.87342       0.96667  0.85s
  10607       0.26453       0.26031       1.01621       1.00000  0.84s
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10608	0.27896	0.45660	0.61095	0.96667	0.85s
10609	0.28582	0.28937	0.98772	1.00000	0.85s
10610	0.29604	0.26247	1.12789	1.00000	0.84s
10611	0.30883	0.26373	1.17100	1.00000	0.84s
10612	0.26838	0.26992	0.99433	1.00000	0.84s
10613	0.27464	0.29359	0.93546	1.00000	0.85s
10614	0.27873	0.30900	0.90202	0.96667	0.85s
10615	0.26971	0.29496	0.91441	1.00000	0.84s
10616	0.27172	0.25986	1.04564	1.00000	0.85s
10617	0.26661	0.26261	1.01523	1.00000	0.85s
10618	0.27882	0.25884	1.07717	1.00000	0.85s
10619	0.30079	0.25688	1.17093	1.00000	0.84s
10620	0.29801	0.28380	1.05008	1.00000	0.84s
10621	0.25959	0.36329	0.71454	0.96667	0.86s
10622	0.25926	0.27811	0.93222	1.00000	0.84s
10623	0.26331	0.25573	1.02963	1.00000	0.85s
10624	0.28759	0.28709	1.00175	1.00000	0.84s
10625	0.27069	0.25963	1.04259	1.00000	0.85s
10626	0.29789	0.29772	1.00056	0.96667	0.84s
10627	0.29814	0.26455	1.12698	1.00000	0.85s
10628	0.25905	0.28652	0.90412	1.00000	0.84s
10629	0.34967	0.37854	0.92372	0.96667	0.85s
10630	0.26989	0.31652	0.85268	1.00000	0.85s
10631	0.28097	0.27177	1.03385	1.00000	0.85s
10632	0.28393	0.29023	0.97828	1.00000	0.84s
10633	0.30511	0.27176	1.12273	1.00000	0.85s
10634	0.26324	0.34026	0.77364	0.96667	0.85s
10635	0.28452	0.29586	0.96170	0.96667	0.85s
10636	0.26271	0.31517	0.83357	0.96667	0.85s
10637	0.26079	0.27444	0.95027	1.00000	0.85s
10638	0.26629	0.25498	1.04435	1.00000	0.85s
10639	0.28028	0.33449	0.83792	0.96667	0.84s
10640	0.29879	0.26497	1.12763	1.00000	0.85s
10641	0.26098	0.27468	0.95013	1.00000	0.85s
10642	0.28733	0.31434	0.91409	0.96667	0.85s
10643	0.28450	0.27620	1.03005	1.00000	0.84s
10644	0.30226	0.25917	1.16627	1.00000	0.85s
10645	0.30795	0.26789	1.14955	1.00000	0.85s
10646	0.28669	0.26092	1.09875	1.00000	0.84s
10647	0.31069	0.44155	0.70363	0.93333	0.85s
10648	0.27861	0.27690	1.00619	1.00000	0.85s
10649	0.29907	0.27360	1.09306	1.00000	0.85s
10650	0.29190	0.25870	1.12835	1.00000	0.84s
10651	0.34327	0.28087	1.22218	1.00000	0.86s
10652	0.27930	0.27998	0.99757	1.00000	0.85s
10653	0.29120	0.26981	1.07930	1.00000	0.85s
10654	0.26368	0.26045	1.01238	1.00000	0.84s
10655	0.26120	0.48677	0.53659	0.96667	0.84s
10656	0.34797	0.26462	1.31499	1.00000	0.85s
10657	0.27898	0.25697	1.08569	1.00000	0.86s
10658	0.28133	0.25468	1.10466	1.00000	0.85s
10659	0.27331	0.37204	0.73461	0.96667	0.85s
10660	0.26576	0.26762	0.99306	1.00000	0.85s
10661	0.28714	0.26541	1.08185	1.00000	0.85s

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  10662       0.26249       0.26639       0.98536       1.00000  0.84s
  10663       0.28329       0.25903       1.09365       1.00000  0.84s
  10664       0.26164       0.26513       0.98685       1.00000  0.84s
  10665       0.26508       0.39951       0.66351       0.96667  0.84s
  10666       0.26922       0.27825       0.96754       1.00000  0.84s
  10667       0.26791       0.29611       0.90477       0.96667  0.85s
  10668       0.28969       0.29746       0.97390       0.96667  0.84s
  10669       0.29741       0.27896       1.06612       1.00000  0.85s
  10670       0.32913       0.28450       1.15690       1.00000  0.86s
  10671       0.26583       0.26110       1.01811       1.00000  0.85s
  10672       0.26641       0.27083       0.98367       1.00000  0.85s
  10673       0.26048       0.27768       0.93807       1.00000  0.85s
  10674       0.26712       0.25390       1.05206       1.00000  0.85s
  10675       0.30975       0.25511       1.21419       1.00000  0.84s
  10676       0.26220       0.28114       0.93264       1.00000  0.85s
  10677       0.32661       0.25759       1.26794       1.00000  0.85s
  10678       0.28777       0.26618       1.08114       1.00000  0.85s
  10679       0.28386       0.25759       1.10199       1.00000  0.85s
  10680       0.27233       0.25634       1.06237       1.00000  0.85s
  10681       0.28141       0.26254       1.07189       1.00000  0.85s
  10682       0.28081       0.27479       1.02190       1.00000  0.84s
  10683       0.30506       0.37718       0.80880       0.96667  0.84s
  10684       0.37642       0.31301       1.20259       0.96667  0.85s
  10685       0.26323       0.30519       0.86253       0.96667  0.85s
  10686       0.27085       0.28002       0.96726       1.00000  0.84s
  10687       0.28163       0.26521       1.06188       1.00000  0.84s
  10688       0.26503       0.28961       0.91513       0.96667  0.85s
  10689       0.30560       0.26990       1.13228       1.00000  0.85s
  10690       0.26126       0.31968       0.81725       1.00000  0.85s
  10691       0.26388       0.31674       0.83310       1.00000  0.85s
  10692       0.25855       0.26803       0.96462       1.00000  0.84s
  10693       0.29086       0.31763       0.91570       1.00000  0.85s
  10694       0.34414       0.31980       1.07613       1.00000  0.84s
  10695       0.27880       0.30798       0.90526       0.96667  0.84s
  10696       0.27103       0.27569       0.98309       1.00000  0.84s
  10697       0.31999       0.29055       1.10133       0.96667  0.85s
  10698       0.28797       0.28363       1.01532       1.00000  0.84s
  10699       0.27239       0.28414       0.95863       1.00000  0.85s
  10700       0.26712       0.27581       0.96850       1.00000  0.85s
Regularization term: 0.25114351511
2016-07-02 18:45:38,011 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:45:44,267 - root - INFO - Duration of validation: 0:00:06
  10701       0.27132       0.26574       1.02098       1.00000  0.85s
  10702       0.37546       0.28534       1.31585       1.00000  0.85s
  10703       0.29864       0.29202       1.02266       1.00000  0.85s
  10704       0.33091       0.37906       0.87297       0.96667  0.85s
  10705       0.27456       0.29979       0.91585       0.96667  0.84s
  10706       0.26256       0.27783       0.94504       1.00000  0.84s
  10707       0.27678       0.33755       0.81998       0.96667  0.85s
  10708       0.28961       0.28065       1.03195       1.00000  0.86s
  10709       0.29837       0.32807       0.90948       1.00000  0.84s
  10710       0.26114       0.25924       1.00733       1.00000  0.85s
  10711       0.32629       0.28188       1.15755       1.00000  0.85s
  10712       0.29552       0.33111       0.89251       0.96667  0.85s
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10713	0.30109	0.26608	1.13154	1.00000	0.86s
10714	0.26637	0.27101	0.98288	1.00000	0.86s
10715	0.26497	0.25864	1.02447	1.00000	0.85s
10716	0.26513	0.26759	0.99079	1.00000	0.84s
10717	0.26936	0.29066	0.92671	1.00000	0.85s
10718	0.25809	0.29353	0.87926	1.00000	0.85s
10719	0.29283	0.26823	1.09174	1.00000	0.85s
10720	0.26092	0.27314	0.95525	1.00000	0.85s
10721	0.28462	0.53230	0.53470	0.93333	0.86s
10722	0.31890	0.26571	1.20016	1.00000	0.85s
10723	0.27849	0.30168	0.92316	1.00000	0.84s
10724	0.30856	0.27249	1.13236	1.00000	0.85s
10725	0.27530	0.27525	1.00017	1.00000	0.85s
10726	0.28068	0.26225	1.07026	1.00000	0.85s
10727	0.28152	0.28471	0.98878	1.00000	0.85s
10728	0.33080	0.27399	1.20733	1.00000	0.85s
10729	0.34871	0.26846	1.29894	1.00000	0.84s
10730	0.34924	0.27253	1.28149	1.00000	0.85s
10731	0.35719	0.26292	1.35853	1.00000	0.85s
10732	0.27641	0.35850	0.77103	0.96667	0.84s
10733	0.31398	0.33829	0.92813	0.96667	0.85s
10734	0.27293	0.28786	0.94812	1.00000	0.85s
10735	0.32726	0.26516	1.23423	1.00000	0.85s
10736	0.30050	0.31442	0.95574	0.96667	0.86s
10737	0.34425	0.30878	1.11488	1.00000	0.85s
10738	0.37710	0.34758	1.08493	0.96667	0.85s
10739	0.26573	0.29151	0.91155	0.96667	0.85s
10740	0.31134	0.34218	0.90988	0.96667	0.85s
10741	0.27741	0.30379	0.91315	1.00000	0.86s
10742	0.28171	0.28280	0.99614	1.00000	0.84s
10743	0.28095	0.29991	0.93679	1.00000	0.84s
10744	0.28361	0.26590	1.06661	1.00000	0.85s
10745	0.31686	0.35854	0.88373	0.96667	0.84s
10746	0.27477	0.26970	1.01877	1.00000	0.84s
10747	0.27320	0.39223	0.69653	0.96667	0.85s
10748	0.28057	0.27025	1.03817	1.00000	0.85s
10749	0.27969	0.37698	0.74193	0.96667	0.85s
10750	0.31014	0.26581	1.16675	1.00000	0.85s
10751	0.28996	0.29409	0.98599	0.96667	0.84s
10752	0.30483	0.33015	0.92329	0.96667	0.85s
10753	0.27497	0.35303	0.77887	0.96667	0.85s
10754	0.28998	0.28148	1.03022	1.00000	0.86s
10755	0.27507	0.36853	0.74639	0.96667	0.85s
10756	0.26959	0.44886	0.60061	0.93333	0.86s
10757	0.28170	0.32010	0.88003	1.00000	0.84s
10758	0.27171	0.68972	0.39395	0.90000	0.86s
10759	0.30747	0.26634	1.15444	1.00000	0.84s
10760	0.27613	0.29595	0.93302	1.00000	0.85s
10761	0.30233	0.26942	1.12214	1.00000	0.85s
10762	0.29869	0.26885	1.11096	1.00000	0.85s
10763	0.26546	0.25393	1.04539	1.00000	0.85s
10764	0.31335	0.25419	1.23276	1.00000	0.85s
10765	0.26611	0.26306	1.01161	1.00000	0.84s
10766	0.27945	0.28932	0.96587	1.00000	0.85s

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  10767       0.31563       0.29443       1.07202       1.00000  0.84s
  10768       0.30003       0.30878       0.97165       0.96667  0.85s
  10769       0.27186       0.27862       0.97573       1.00000  0.85s
  10770       0.28280       0.26040       1.08604       1.00000  0.84s
  10771       0.29375       0.25887       1.13474       1.00000  0.86s
  10772       0.29753       0.27048       1.10000       1.00000  0.85s
  10773       0.28199       0.28577       0.98676       1.00000  0.84s
  10774       0.31783       0.36987       0.85931       0.96667  0.85s
  10775       0.31196       0.34741       0.89798       0.96667  0.85s
  10776       0.26435       0.29711       0.88974       0.96667  0.86s
  10777       0.28533       0.25634       1.11308       1.00000  0.86s
  10778       0.27539       0.31510       0.87398       1.00000  0.84s
  10779       0.29319       0.26552       1.10419       1.00000  0.85s
  10780       0.29307       0.27274       1.07453       1.00000  0.84s
  10781       0.26465       0.30049       0.88071       1.00000  0.85s
  10782       0.30012       0.25905       1.15856       1.00000  0.85s
  10783       0.26501       0.27871       0.95084       1.00000  0.84s
  10784       0.28529       0.29671       0.96151       0.96667  0.85s
  10785       0.28012       0.25984       1.07807       1.00000  0.85s
  10786       0.27662       0.33802       0.81836       0.96667  0.85s
  10787       0.32922       0.26451       1.24462       1.00000  0.85s
  10788       0.28883       0.26726       1.08072       1.00000  0.85s
  10789       0.28154       0.27515       1.02319       1.00000  0.84s
  10790       0.29110       0.30592       0.95157       0.96667  0.84s
  10791       0.27468       0.28502       0.96373       1.00000  0.85s
  10792       0.27010       0.26729       1.01052       1.00000  0.85s
  10793       0.30080       0.29075       1.03457       1.00000  0.84s
  10794       0.28920       0.30801       0.93893       0.96667  0.85s
  10795       0.28807       0.36988       0.77881       0.93333  0.85s
  10796       0.26869       0.45566       0.58966       0.93333  0.85s
  10797       0.29419       0.26341       1.11687       1.00000  0.85s
  10798       0.29521       0.28583       1.03283       1.00000  0.85s
  10799       0.36443       0.39146       0.93093       0.96667  0.85s
  10800       0.32924       0.27224       1.20936       1.00000  0.85s
Regularization term: 0.252501070499
2016-07-02 18:47:16,892 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:47:22,119 - root - INFO - Duration of validation: 0:00:05
  10801       0.29077       0.30883       0.94152       1.00000  0.85s
  10802       0.30784       0.27088       1.13644       1.00000  0.85s
  10803       0.26247       0.27566       0.95217       1.00000  0.84s
  10804       0.28042       0.26515       1.05762       1.00000  0.85s
  10805       0.26799       0.30233       0.88642       0.96667  0.85s
  10806       0.28344       0.33038       0.85793       0.96667  0.84s
  10807       0.28462       0.26273       1.08332       1.00000  0.84s
  10808       0.31572       0.26541       1.18957       1.00000  0.85s
  10809       0.27503       0.26472       1.03895       1.00000  0.85s
  10810       0.26827       0.32097       0.83583       0.96667  0.84s
  10811       0.32530       0.30140       1.07928       1.00000  0.85s
  10812       0.28274       0.38504       0.73430       0.93333  0.84s
  10813       0.28375       0.27738       1.02296       1.00000  0.85s
  10814       0.33551       0.26852       1.24947       1.00000  0.84s
  10815       0.29712       0.28691       1.03560       1.00000  0.84s
  10816       0.26584       0.34638       0.76748       0.96667  0.85s
  10817       0.26244       0.28540       0.91953       1.00000  0.86s
```

10818	0.27249	0.28952	0.94119	1.00000	0.85s
10819	0.27101	0.28094	0.96466	1.00000	0.84s
10820	0.28156	0.30589	0.92045	1.00000	0.85s
10821	0.27699	0.25820	1.07279	1.00000	0.85s
10822	0.26712	0.27946	0.95585	1.00000	0.84s
10823	0.29858	0.28818	1.03609	1.00000	0.84s
10824	0.26197	0.30618	0.85562	0.96667	0.84s
10825	0.43594	0.26290	1.65817	1.00000	0.85s
10826	0.28174	0.27695	1.01728	1.00000	0.85s
10827	0.28714	0.26680	1.07625	1.00000	0.84s
10828	0.27595	0.27259	1.01232	1.00000	0.85s
10829	0.28009	0.29532	0.94842	1.00000	0.84s
10830	0.27606	0.26696	1.03409	1.00000	0.84s
10831	0.26746	0.28916	0.92497	1.00000	0.85s
10832	0.27495	0.29517	0.93150	1.00000	0.85s
10833	0.29165	0.33097	0.88122	0.96667	0.84s
10834	0.30116	0.25918	1.16198	1.00000	0.85s
10835	0.27312	0.40823	0.66905	0.96667	0.85s
10836	0.28602	0.33714	0.84837	0.96667	0.85s
10837	0.26726	0.28560	0.93579	1.00000	0.84s
10838	0.28521	0.26079	1.09367	1.00000	0.85s
10839	0.27446	0.27065	1.01409	1.00000	0.84s
10840	0.27678	0.27001	1.02507	1.00000	0.85s
10841	0.35768	0.27977	1.27849	1.00000	0.85s
10842	0.28100	0.28502	0.98589	1.00000	0.85s
10843	0.26727	0.27139	0.98482	1.00000	0.85s
10844	0.29136	0.27825	1.04710	1.00000	0.86s
10845	0.29199	0.34549	0.84517	0.96667	0.86s
10846	0.31816	0.31880	0.99800	0.96667	0.84s
10847	0.29080	0.26569	1.09451	1.00000	0.85s
10848	0.29135	0.32414	0.89883	1.00000	0.85s
10849	0.28516	0.31346	0.90971	0.96667	0.84s
10850	0.30748	0.26472	1.16151	1.00000	0.85s
10851	0.28479	0.26036	1.09380	1.00000	0.85s
10852	0.27307	0.30427	0.89747	1.00000	0.85s
10853	0.27418	0.29831	0.91911	1.00000	0.86s
10854	0.31176	0.25988	1.19967	1.00000	0.84s
10855	0.27707	0.25751	1.07597	1.00000	0.84s
10856	0.27346	0.26325	1.03881	1.00000	0.85s
10857	0.35985	0.26003	1.38385	1.00000	0.85s
10858	0.31824	0.28496	1.11681	1.00000	0.86s
10859	0.26579	0.27365	0.97128	1.00000	0.84s
10860	0.29325	0.25808	1.13629	1.00000	0.85s
10861	0.30664	0.30334	1.01088	0.96667	0.85s
10862	0.25921	0.26092	0.99347	1.00000	0.84s
10863	0.28812	0.30081	0.95783	1.00000	0.85s
10864	0.26773	0.26143	1.02410	1.00000	0.84s
10865	0.26319	0.28240	0.93199	1.00000	0.85s
10866	0.27731	0.30185	0.91870	1.00000	0.85s
10867	0.36686	0.26864	1.36562	1.00000	0.85s
10868	0.31572	0.26322	1.19946	1.00000	0.85s
10869	0.26530	0.26904	0.98611	1.00000	0.84s
10870	0.26684	0.26234	1.01715	1.00000	0.84s
10871	0.29046	0.25911	1.12098	1.00000	0.84s

```
  10872       0.28445       0.26319       1.08079       1.00000  0.85s
  10873       0.27011       0.27247       0.99132       1.00000  0.86s
  10874       0.29944       0.26920       1.11234       1.00000  0.85s
  10875       0.27657       0.27497       1.00582       1.00000  0.85s
  10876       0.30943       0.30331       1.02017       1.00000  0.85s
  10877       0.26861       0.25994       1.03336       1.00000  0.85s
  10878       0.28267       0.29621       0.95430       0.96667  0.85s
  10879       0.28581       0.26027       1.09811       1.00000  0.85s
  10880       0.29907       0.28821       1.03768       0.96667  0.85s
  10881       0.27692       0.29255       0.94655       1.00000  0.85s
  10882       0.32511       0.30652       1.06063       1.00000  0.84s
  10883       0.26912       0.26618       1.01105       1.00000  0.84s
  10884       0.26611       0.27703       0.96056       1.00000  0.84s
  10885       0.32935       0.31022       1.06167       0.96667  0.85s
  10886       0.27284       0.25989       1.04980       1.00000  0.85s
  10887       0.30681       0.26541       1.15598       1.00000  0.85s
  10888       0.28649       0.28180       1.01663       1.00000  0.85s
  10889       0.33195       0.25838       1.28471       1.00000  0.85s
  10890       0.26847       0.28938       0.92774       1.00000  0.86s
  10891       0.34802       0.26274       1.32460       1.00000  0.85s
  10892       0.31765       0.27649       1.14887       1.00000  0.85s
  10893       0.35329       0.30713       1.15028       0.96667  0.84s
  10894       0.32567       0.27298       1.19299       1.00000  0.85s
  10895       0.26792       0.26239       1.02104       1.00000  0.85s
  10896       0.26401       0.26159       1.00924       1.00000  0.85s
  10897       0.29614       0.28458       1.04062       1.00000  0.85s
  10898       0.26700       0.39232       0.68057       0.93333  0.85s
  10899       0.26560       0.28503       0.93184       1.00000  0.85s
  10900       0.29799       0.28329       1.05190       1.00000  0.85s
Regularization term: 0.254984229803
2016-07-02 18:48:55,812 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:49:02,191 - root - INFO - Duration of validation: 0:00:06
  10901       0.33079       0.38051       0.86935       0.96667  0.85s
  10902       0.32008       0.29105       1.09973       1.00000  0.85s
  10903       0.27729       0.31636       0.87651       0.96667  0.84s
  10904       0.30110       0.26705       1.12752       1.00000  0.85s
  10905       0.31242       0.26589       1.17503       1.00000  0.85s
  10906       0.27543       0.27363       1.00657       1.00000  0.84s
  10907       0.28504       0.27453       1.03828       1.00000  0.84s
  10908       0.26343       0.41837       0.62966       0.93333  0.83s
  10909       0.31490       0.36278       0.86803       0.96667  0.85s
  10910       0.28554       0.45178       0.63203       0.93333  0.84s
  10911       0.27321       0.27576       0.99077       1.00000  0.85s
  10912       0.27260       0.27672       0.98510       1.00000  0.86s
  10913       0.28523       0.27662       1.03111       1.00000  0.84s
  10914       0.28853       0.27719       1.04092       1.00000  0.84s
  10915       0.27114       0.28037       0.96709       1.00000  0.85s
  10916       0.29045       0.33210       0.87456       0.96667  0.84s
  10917       0.30663       0.26427       1.16029       1.00000  0.84s
  10918       0.29738       0.26634       1.11654       1.00000  0.84s
  10919       0.30944       0.29521       1.04821       1.00000  0.84s
  10920       0.27872       0.26722       1.04304       1.00000  0.85s
  10921       0.31379       0.28068       1.11795       1.00000  0.84s
  10922       0.29659       0.27787       1.06738       1.00000  0.85s
```

10923	0.30355	0.28232	1.07518	1.00000	0.85s
10924	0.27676	0.26233	1.05501	1.00000	0.84s
10925	0.31204	0.26213	1.19042	1.00000	0.85s
10926	0.32475	0.26987	1.20336	1.00000	0.84s
10927	0.27147	0.30203	0.89883	0.96667	0.85s
10928	0.27839	0.25909	1.07448	1.00000	0.85s
10929	0.27670	0.29815	0.92807	0.96667	0.84s
10930	0.32135	0.26623	1.20703	1.00000	0.85s
10931	0.30279	0.26316	1.15059	1.00000	0.84s
10932	0.28895	0.25909	1.11529	1.00000	0.85s
10933	0.28937	0.27892	1.03749	1.00000	0.84s
10934	0.27436	0.26047	1.05333	1.00000	0.85s
10935	0.28834	0.33127	0.87041	0.96667	0.85s
10936	0.36933	0.30502	1.21085	1.00000	0.85s
10937	0.27201	0.26059	1.04384	1.00000	0.84s
10938	0.29770	0.27780	1.07164	1.00000	0.85s
10939	0.27965	0.27003	1.03564	1.00000	0.84s
10940	0.35631	0.33871	1.05199	0.96667	0.84s
10941	0.27833	0.28604	0.97305	1.00000	0.85s
10942	0.27521	0.27453	1.00251	1.00000	0.84s
10943	0.27459	0.29305	0.93698	1.00000	0.84s
10944	0.29868	0.27751	1.07627	1.00000	0.85s
10945	0.36591	0.27907	1.31120	1.00000	0.85s
10946	0.27516	0.36878	0.74614	0.96667	0.85s
10947	0.29274	0.30178	0.97007	0.96667	0.84s
10948	0.32445	0.26407	1.22865	1.00000	0.85s
10949	0.28164	0.34650	0.81279	0.96667	0.85s
10950	0.27153	0.26168	1.03762	1.00000	0.85s
10951	0.28783	0.26759	1.07563	1.00000	0.84s
10952	0.30811	0.27162	1.13432	1.00000	0.85s
10953	0.26851	0.37425	0.71746	0.96667	0.84s
10954	0.28603	0.33878	0.84428	0.96667	0.85s
10955	0.26780	0.32858	0.81502	0.96667	0.85s
10956	0.30635	0.27527	1.11290	1.00000	0.84s
10957	0.27254	0.30362	0.89765	0.96667	0.84s
10958	0.30334	0.31575	0.96069	0.96667	0.84s
10959	0.28442	0.47977	0.59283	0.93333	0.84s
10960	0.30160	0.29643	1.01745	1.00000	0.85s
10961	0.30985	0.26276	1.17920	1.00000	0.85s
10962	0.27568	0.28920	0.95325	1.00000	0.84s
10963	0.27674	0.33514	0.82574	0.96667	0.86s
10964	0.26842	0.26301	1.02055	1.00000	0.85s
10965	0.30747	0.29710	1.03491	1.00000	0.84s
10966	0.29737	0.27691	1.07391	1.00000	0.84s
10967	0.35074	0.27006	1.29876	1.00000	0.84s
10968	0.37268	0.27831	1.33907	1.00000	0.86s
10969	0.33434	0.33357	1.00230	1.00000	0.84s
10970	0.38833	0.27054	1.43539	1.00000	0.84s
10971	0.28403	0.25892	1.09698	1.00000	0.84s
10972	0.31485	0.28818	1.09255	0.96667	0.85s
10973	0.27286	0.26275	1.03851	1.00000	0.86s
10974	0.28131	0.27792	1.01219	1.00000	0.85s
10975	0.30574	0.31205	0.97979	1.00000	0.85s
10976	0.28129	0.35694	0.78806	0.96667	0.85s

```
  10977       0.32523       0.26322       1.23559       1.00000  0.85s
  10978       0.27981       0.30343       0.92218       1.00000  0.85s
  10979       0.27007       0.27266       0.99050       1.00000  0.85s
  10980       0.26434       0.43873       0.60252       0.90000  0.85s
  10981       0.28838       0.31834       0.90589       1.00000  0.85s
  10982       0.33307       0.29142       1.14289       1.00000  0.84s
  10983       0.32146       0.27089       1.18670       1.00000  0.85s
  10984       0.31958       0.27328       1.16940       1.00000  0.85s
  10985       0.28376       0.31322       0.90594       0.96667  0.85s
  10986       0.26863       0.32137       0.83591       0.96667  0.86s
  10987       0.26943       0.34834       0.77346       0.96667  0.85s
  10988       0.32122       0.30097       1.06728       1.00000  0.85s
  10989       0.38696       0.54237       0.71346       0.93333  0.85s
  10990       0.29612       0.29605       1.00021       1.00000  0.84s
  10991       0.30144       0.26272       1.14739       1.00000  0.85s
  10992       0.28166       0.28102       1.00226       1.00000  0.85s
  10993       0.26998       0.27093       0.99649       1.00000  0.85s
  10994       0.28851       0.27365       1.05432       1.00000  0.85s
  10995       0.27710       0.29931       0.92579       1.00000  0.84s
  10996       0.28288       0.27810       1.01718       1.00000  0.86s
  10997       0.28349       0.27789       1.02016       1.00000  0.85s
  10998       0.26837       0.26694       1.00533       1.00000  0.84s
  10999       0.28710       0.31024       0.92540       1.00000  0.84s
  11000       0.26555       0.26773       0.99185       1.00000  0.85s
Regularization term: 0.256231486797
2016-07-02 18:50:34,679 - root - INFO - Duration of saving to disk: 0:00:06
2016-07-02 18:50:40,994 - root - INFO - Duration of validation: 0:00:06
  11001       0.26741       0.26680       1.00229       1.00000  0.85s
  11002       0.27683       0.31203       0.88720       1.00000  0.85s
  11003       0.27117       0.27409       0.98933       1.00000  0.85s
  11004       0.27617       0.41934       0.65860       0.96667  0.84s
  11005       0.28407       0.27781       1.02252       1.00000  0.85s
  11006       0.29481       0.27644       1.06646       1.00000  0.84s
  11007       0.32362       0.37815       0.85582       0.96667  0.84s
  11008       0.34407       0.41603       0.82704       0.96667  0.84s
  11009       0.26807       0.27848       0.96262       1.00000  0.85s
  11010       0.27542       0.30920       0.89077       1.00000  0.84s
  11011       0.27600       0.32628       0.84588       1.00000  0.84s
  11012       0.28053       0.33208       0.84478       1.00000  0.85s
  11013       0.33471       0.32912       1.01698       1.00000  0.85s
  11014       0.30409       0.43521       0.69870       0.93333  0.84s
  11015       0.26358       0.33409       0.78894       1.00000  0.85s
  11016       0.27513       0.36039       0.76341       0.96667  0.85s
  11017       0.32592       0.35950       0.90659       0.96667  0.84s
  11018       0.27040       0.35034       0.77182       1.00000  0.84s
  11019       0.28216       0.35870       0.78664       0.96667  0.84s
  11020       0.30798       0.26597       1.15791       1.00000  0.84s
  11021       0.27074       0.28109       0.96319       1.00000  0.86s
  11022       0.27711       0.28987       0.95600       1.00000  0.86s
  11023       0.34307       0.29192       1.17522       1.00000  0.85s
  11024       0.32276       0.30696       1.05146       0.96667  0.85s
  11025       0.27670       0.28938       0.95616       1.00000  0.85s
  11026       0.27285       0.40726       0.66997       0.96667  0.85s
  11027       0.28979       0.29269       0.99010       1.00000  0.84s
```

11028	0.28374	0.32408	0.87553	0.96667	0.85s
11029	0.35268	0.48567	0.72617	0.96667	0.85s
11030	0.28623	0.27173	1.05338	1.00000	0.85s
11031	0.29739	0.26202	1.13499	1.00000	0.84s
11032	0.27649	0.34815	0.79416	0.96667	0.85s
11033	0.28151	0.33862	0.83134	0.96667	0.84s
11034	0.27307	0.26953	1.01311	1.00000	0.84s
11035	0.28948	0.27134	1.06686	1.00000	0.84s
11036	0.28620	0.26291	1.08861	1.00000	0.85s
11037	0.27317	0.26823	1.01842	1.00000	0.84s
11038	0.27484	0.28732	0.95654	1.00000	0.84s
11039	0.27639	0.32869	0.84088	1.00000	0.84s
11040	0.28930	0.28141	1.02801	1.00000	0.86s
11041	0.26831	0.26228	1.02299	1.00000	0.85s
11042	0.27058	0.26914	1.00536	1.00000	0.84s
11043	0.26743	0.26356	1.01471	1.00000	0.85s
11044	0.31231	0.28605	1.09182	1.00000	0.85s
11045	0.27117	0.26990	1.00470	1.00000	0.85s
11046	0.27437	0.26396	1.03941	1.00000	0.85s
11047	0.26472	0.33974	0.77918	0.96667	0.86s
11048	0.30771	0.28302	1.08724	1.00000	0.85s
11049	0.27292	0.26475	1.03086	1.00000	0.86s
11050	0.33638	0.31102	1.08154	1.00000	0.85s
11051	0.28358	0.29821	0.95095	1.00000	0.85s
11052	0.29804	0.28833	1.03366	1.00000	0.85s
11053	0.29653	0.26652	1.11262	1.00000	0.85s
11054	0.28551	0.27351	1.04386	1.00000	0.85s
11055	0.28026	0.27283	1.02723	1.00000	0.85s
11056	0.27343	0.30338	0.90128	0.96667	0.85s
11057	0.26948	0.27169	0.99187	1.00000	0.86s
11058	0.28721	0.36926	0.77780	0.96667	0.84s
11059	0.28866	0.28286	1.02051	1.00000	0.85s
11060	0.30247	0.28059	1.07796	1.00000	0.84s
11061	0.28737	0.47044	0.61085	0.93333	0.85s
11062	0.28499	0.31461	0.90586	0.96667	0.85s
11063	0.30700	0.34935	0.87878	0.96667	0.85s
11064	0.30399	0.31555	0.96339	1.00000	0.85s
11065	0.28966	0.33736	0.85860	0.96667	0.85s
11066	0.31474	0.29653	1.06142	0.96667	0.85s
11067	0.36256	0.29869	1.21385	1.00000	0.85s
11068	0.31705	0.28349	1.11840	1.00000	0.85s
11069	0.27775	0.33186	0.83695	0.96667	0.84s
11070	0.29218	0.28753	1.01618	1.00000	0.85s
11071	0.32958	0.33295	0.98988	0.96667	0.85s
11072	0.33722	0.27973	1.20555	1.00000	0.85s
11073	0.26829	0.45612	0.58819	0.96667	0.85s
11074	0.28808	0.27869	1.03367	1.00000	0.85s
11075	0.28604	0.26719	1.07058	1.00000	0.85s
11076	0.27856	0.26834	1.03808	1.00000	0.84s
11077	0.30109	0.37559	0.80164	0.96667	0.85s
11078	0.29090	0.27975	1.03987	1.00000	0.84s
11079	0.29066	0.27919	1.04109	1.00000	0.84s
11080	0.27515	0.29529	0.93180	0.96667	0.85s
11081	0.28694	0.32179	0.89170	0.96667	0.86s

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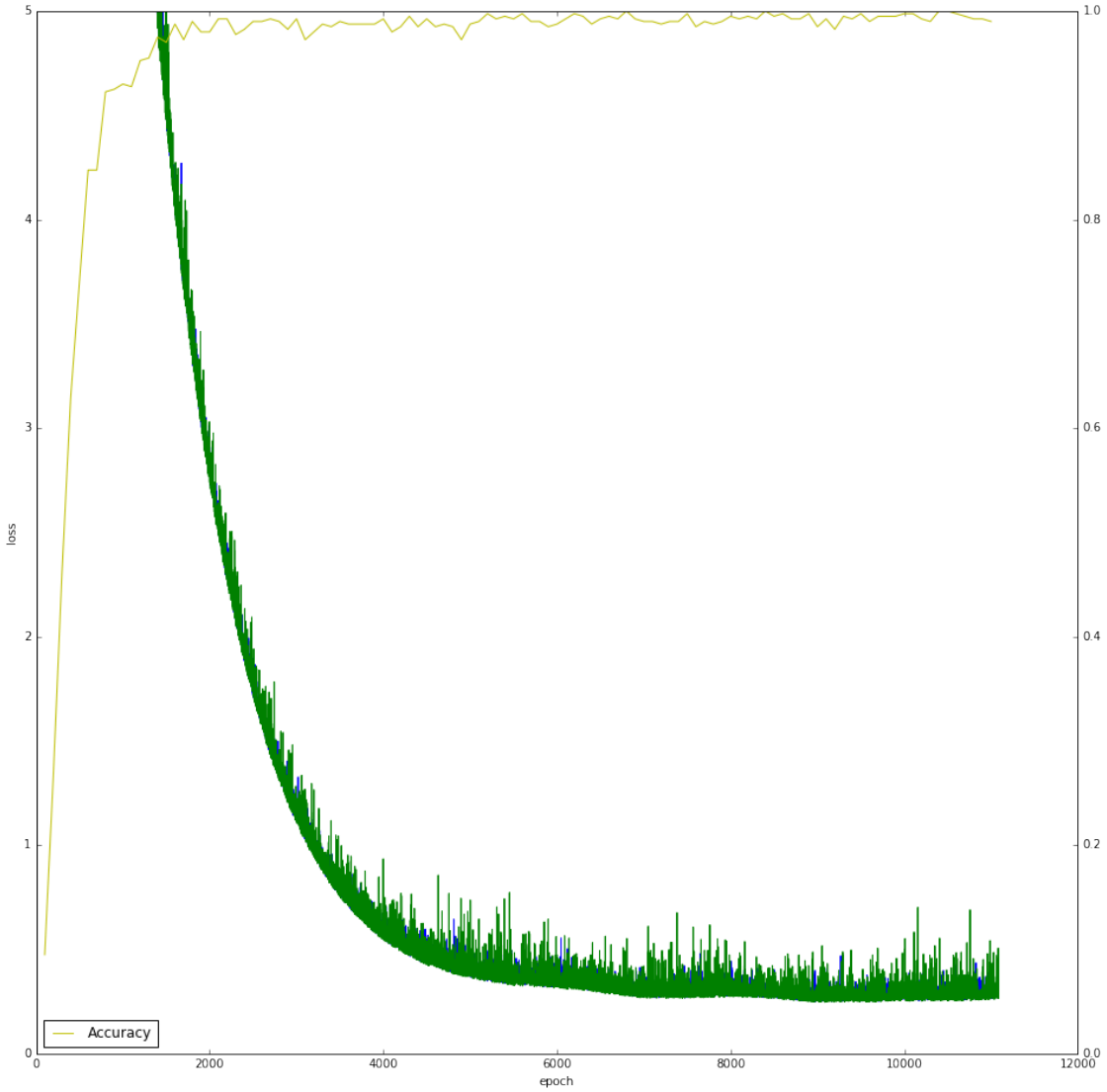
  11082       0.30692       0.50596       0.60661       0.96667  0.85s
  11083       0.32832       0.26703       1.22953       1.00000  0.85s
  11084       0.27964       0.29962       0.93331       1.00000  0.85s
Early stopping.
Best valid loss was 0.246839 at epoch 9084.
Loaded parameters to layer 'conv2ddnn1' (shape 32x1x3x3).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'conv2ddnn4' (shape 32x32x3x3).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'conv2ddnn8' (shape 64x32x3x3).
Loaded parameters to layer 'batchnorm9' (shape 64).
Loaded parameters to layer 'batchnorm9' (shape 64).
Loaded parameters to layer 'batchnorm9' (shape 64).
Loaded parameters to layer 'batchnorm9' (shape 64).
Loaded parameters to layer 'conv2ddnn11' (shape 64x64x3x3).
Loaded parameters to layer 'batchnorm12' (shape 64).
Loaded parameters to layer 'batchnorm12' (shape 64).
Loaded parameters to layer 'batchnorm12' (shape 64).
Loaded parameters to layer 'batchnorm12' (shape 64).
Loaded parameters to layer 'conv2ddnn15' (shape 128x64x3x3).
Loaded parameters to layer 'batchnorm16' (shape 128).
Loaded parameters to layer 'batchnorm16' (shape 128).
Loaded parameters to layer 'batchnorm16' (shape 128).
Loaded parameters to layer 'batchnorm16' (shape 128).
Loaded parameters to layer 'conv2ddnn18' (shape 128x128x3x3).
Loaded parameters to layer 'batchnorm19' (shape 128).
Loaded parameters to layer 'batchnorm19' (shape 128).
Loaded parameters to layer 'batchnorm19' (shape 128).
Loaded parameters to layer 'batchnorm19' (shape 128).
Loaded parameters to layer 'conv2ddnn21' (shape 128x128x3x3).
Loaded parameters to layer 'batchnorm22' (shape 128).
Loaded parameters to layer 'batchnorm22' (shape 128).
Loaded parameters to layer 'batchnorm22' (shape 128).
Loaded parameters to layer 'batchnorm22' (shape 128).
Loaded parameters to layer 'conv2ddnn24' (shape 128x128x3x3).
Loaded parameters to layer 'batchnorm25' (shape 128).
Loaded parameters to layer 'batchnorm25' (shape 128).
Loaded parameters to layer 'batchnorm25' (shape 128).
Loaded parameters to layer 'batchnorm25' (shape 128).
Loaded parameters to layer 'conv2ddnn28' (shape 256x128x3x3).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'conv2ddnn31' (shape 256x256x3x3).
Loaded parameters to layer 'batchnorm32' (shape 256).
Loaded parameters to layer 'batchnorm32' (shape 256).
Loaded parameters to layer 'batchnorm32' (shape 256).
```

```
Loaded parameters to layer 'batchnorm32' (shape 256).
Loaded parameters to layer 'conv2ddnn34' (shape 256x256x3x3).
Loaded parameters to layer 'batchnorm35' (shape 256).
Loaded parameters to layer 'batchnorm35' (shape 256).
Loaded parameters to layer 'batchnorm35' (shape 256).
Loaded parameters to layer 'batchnorm35' (shape 256).
Loaded parameters to layer 'conv2ddnn37' (shape 256x256x3x3).
Loaded parameters to layer 'batchnorm38' (shape 256).
Loaded parameters to layer 'batchnorm38' (shape 256).
Loaded parameters to layer 'batchnorm38' (shape 256).
Loaded parameters to layer 'batchnorm38' (shape 256).
Loaded parameters to layer 'dense42' (shape 1024x2048).
Loaded parameters to layer 'dense42' (shape 2048).
Loaded parameters to layer 'dense44' (shape 2048x2048).
Loaded parameters to layer 'dense44' (shape 2048).
Loaded parameters to layer 'dense45' (shape 2048x10).
Loaded parameters to layer 'dense45' (shape 10).
Training successful by early stopping. Elapsed: 10876.9313719
```

1.4 Visualizations

```
In [21]: from notebook_functions import plot_validation_loss
```

```
In [25]: plot_validation_loss(net, validation_file_name, ylim=[0, 5])
```



Next, please try: 1. Orthogonal weight initialization 2. Compute mean for training set 3. Larger input image 4. Maxout

In [ ]: