Using Google searches to track diseases dynamically

begin
%% Load data %%
CDC=load(CDC ILI Data) (ONE COLUMN OF VALUES)
X=load(Google search Data) (MULTIPLE COLUMNS OF VALUES)

%% initialize output arrays %%
Y=zeros(1:end.of.predictions) (INITIALIZE ARRAY TO STORE PREDICTIONS)
coefficients=zeros(1:end.of.predictions) (INITIALIZE ARRAY TO STORE COEFFS)

%% train models and produce out-of-sample predictions %%
for i = training : end.of.predictions
   CDC ← standardize(CDC) (Perhaps use a transform: z-score, logit)
   X ← standardize(X) (Perhaps use a transform: z-score, logit)
   model=LASSOroutine.fit(CDC[1 : i] ~ X[1 : i]) (Training: in-sample model)
   coefficients(i) ← model(coefficients)
   Y(i + 1)=LASSOroutine.predict(model, X(i + 1)) (produce out-of-sample predictions)
   if(i == training)
      Y[1:i]=LASSOroutine.predict(model, X[1:i]) in -sample predictions
   end
end
end