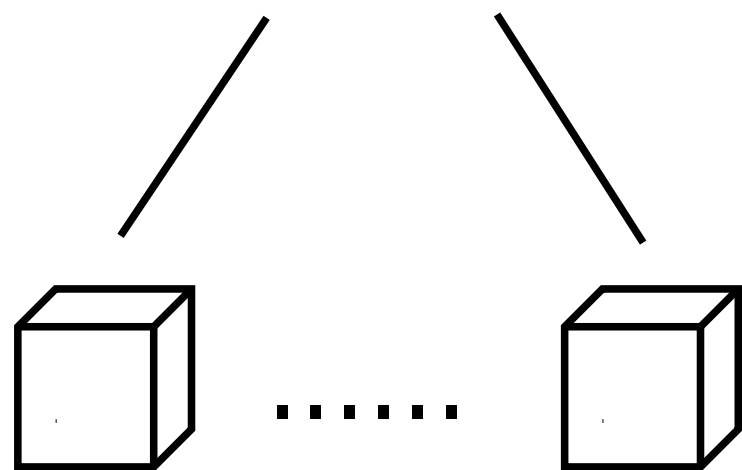
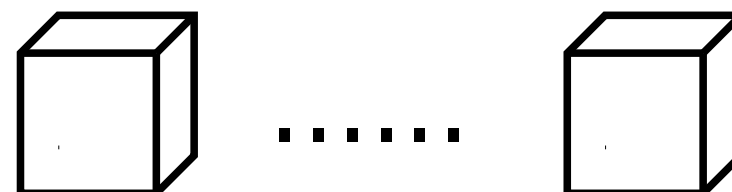


# Preprocess



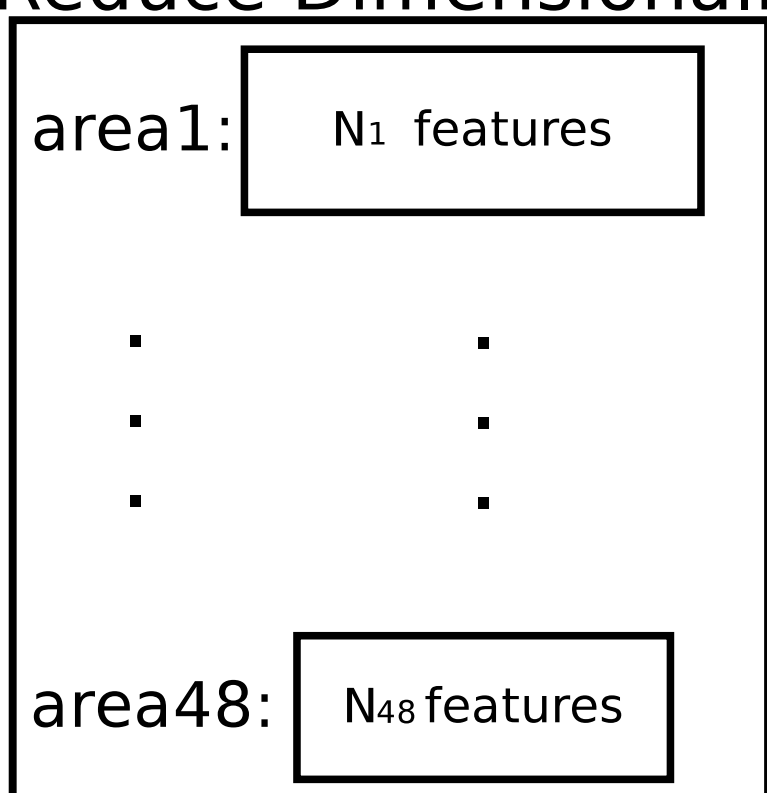
a series of  
preprocess



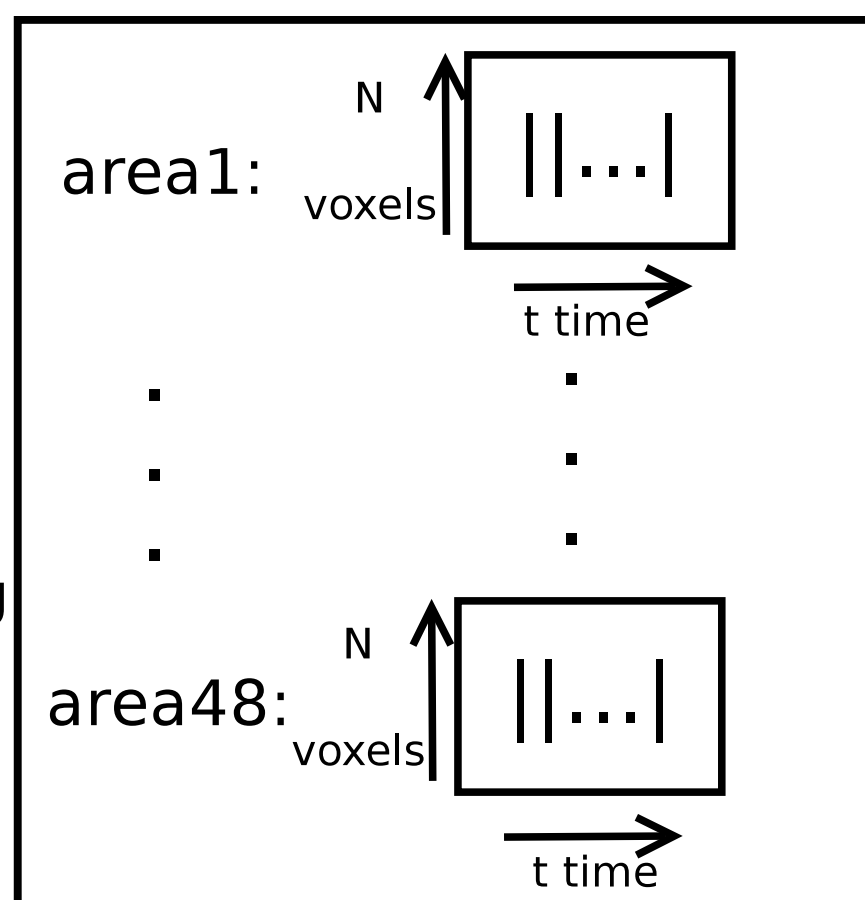
Normalized 4D data

broadman mask

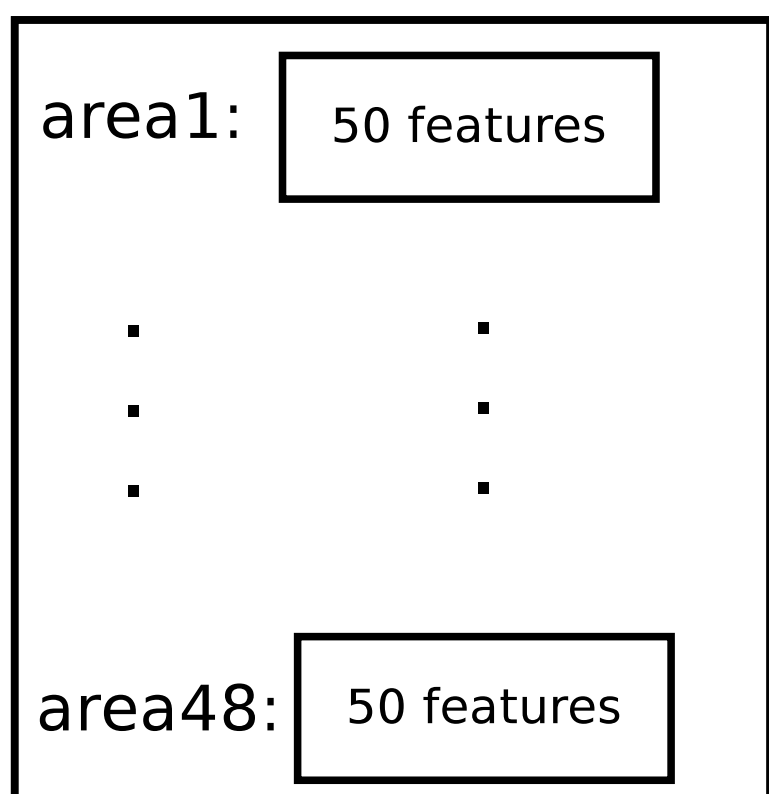
## Reduce Dimensionality



fft  
max-pooling



DBN



Select  
brain areas

## Extract Feature

area  $x_1, \dots, x_s$

$N_1 + \dots + N_s$  features

Bayesian Network

DAG + Probability of edge

SVM

Prediction