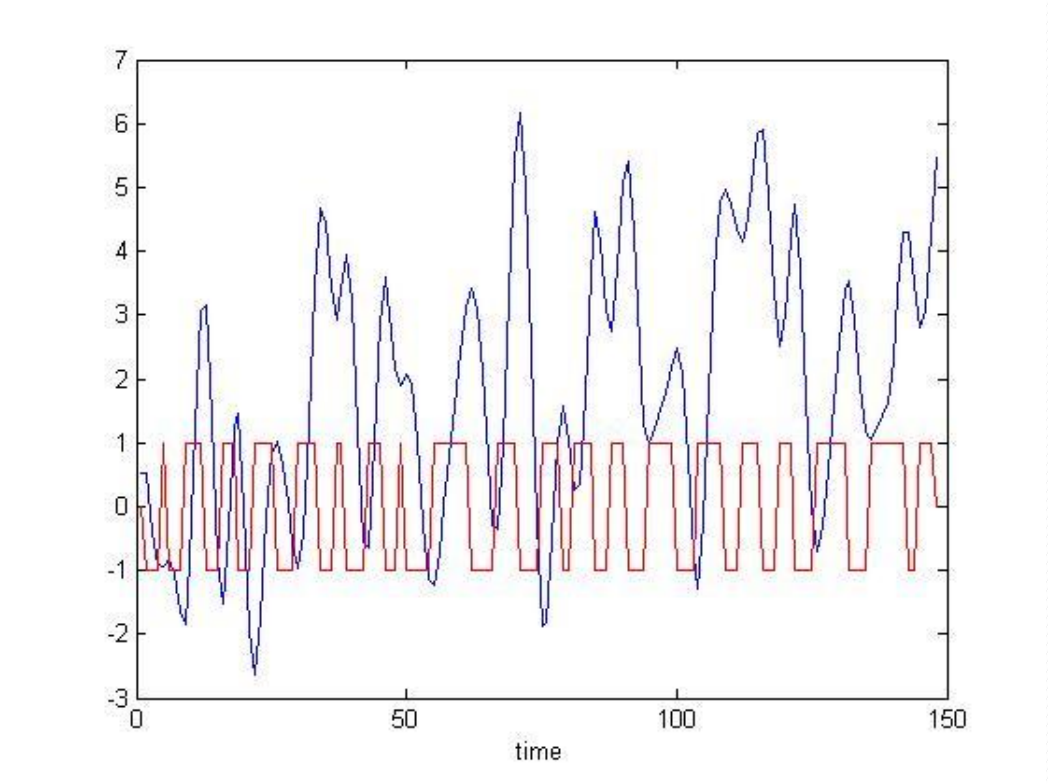
ADHD fMRI Classification

Week 8

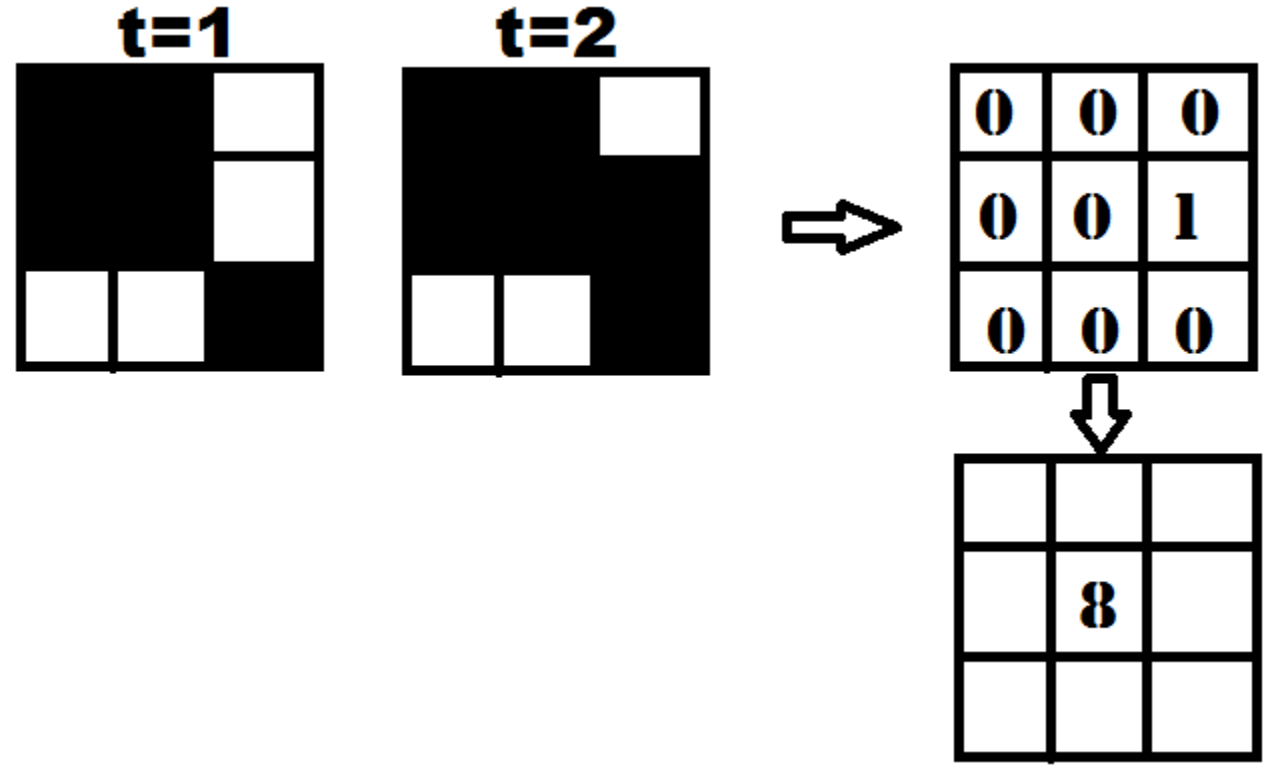
Amy Ko

Finding Concordance

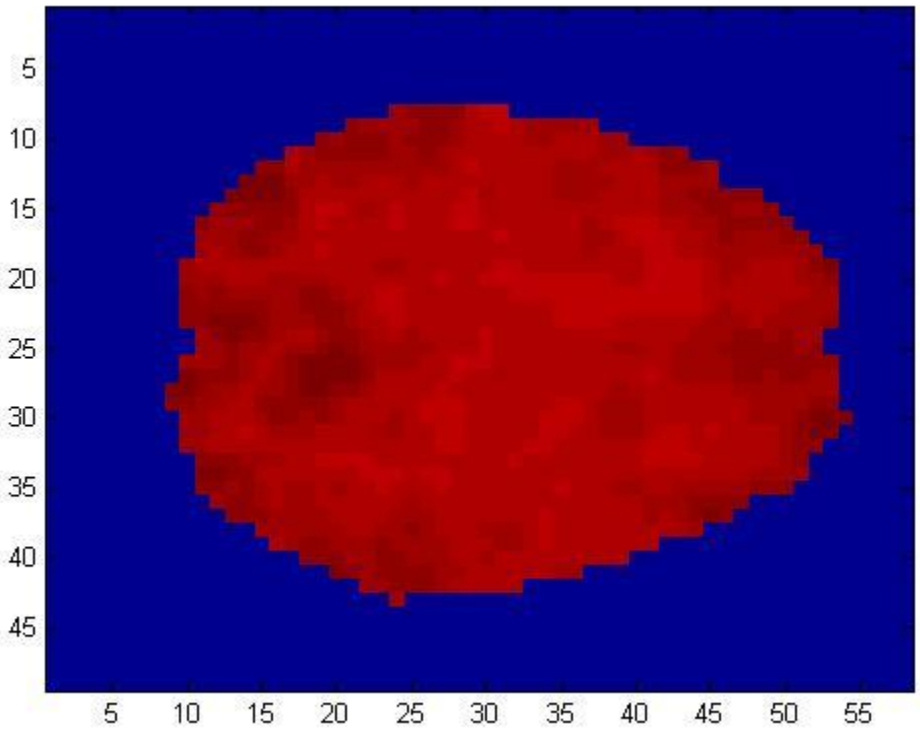
- Convert time series to square waves



Finding Concordance

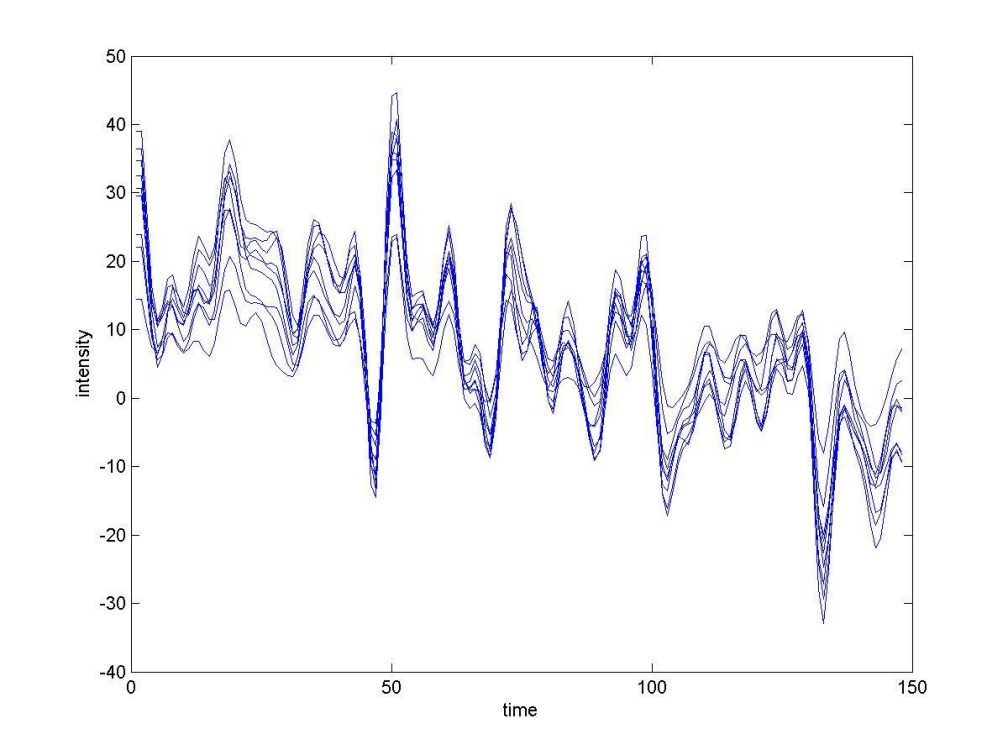


Result: Concordance Map



Extract Concordant Regions

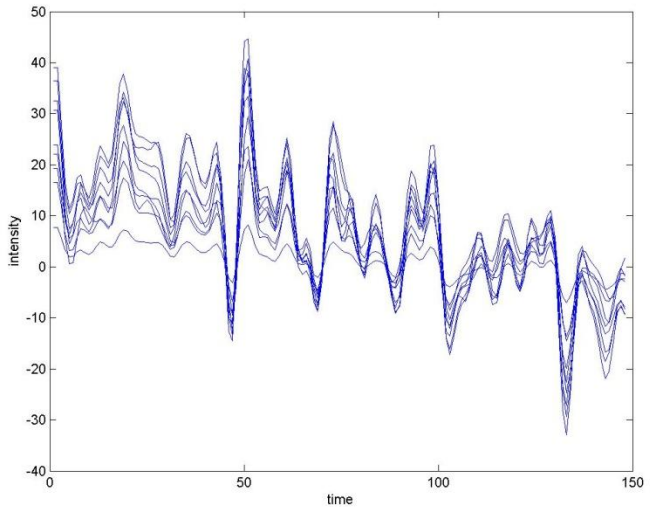
- Time series of a concordant center voxel and its 26 neighbors



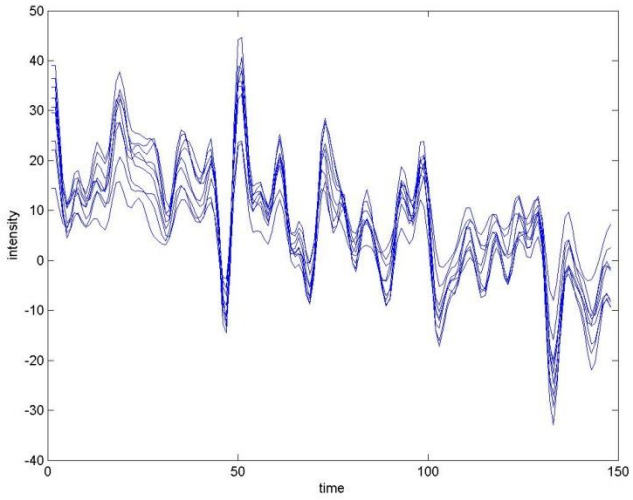
Extract Concordant Regions

- Given: concordant center voxels
- Cluster similar voxels by using a correlation matrix

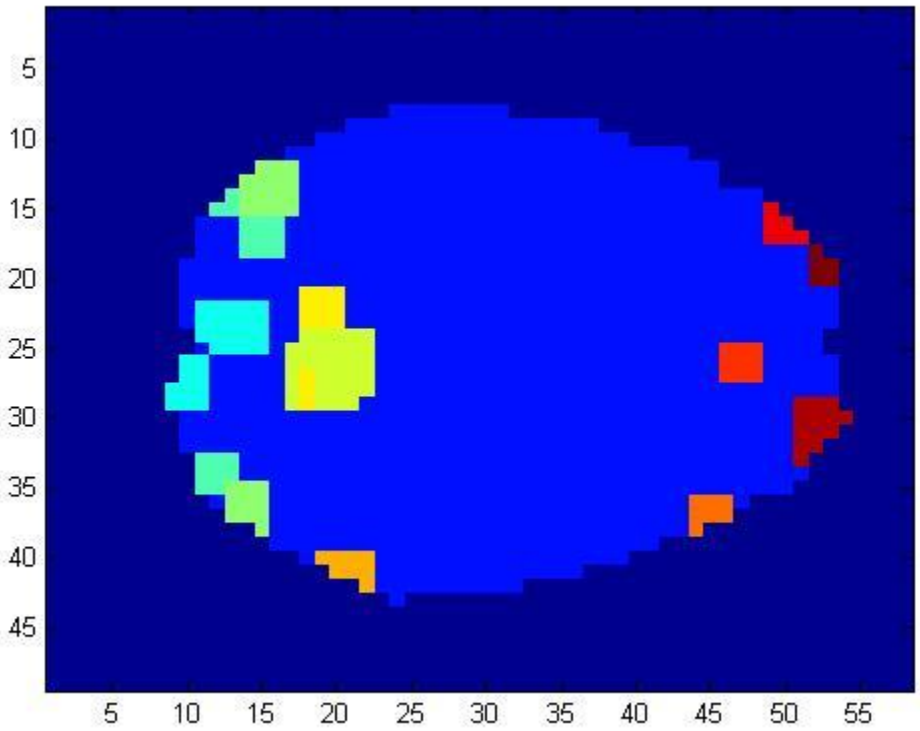
center voxel x + neighbors



center voxel y + neighbors



Extract Concordant Regions



What's Next

- Re-compute concordance *within* and *around* the extracted regions to better approximate the areas of concordance.
- Find patterns between different regions:
  - Does one region drive another?