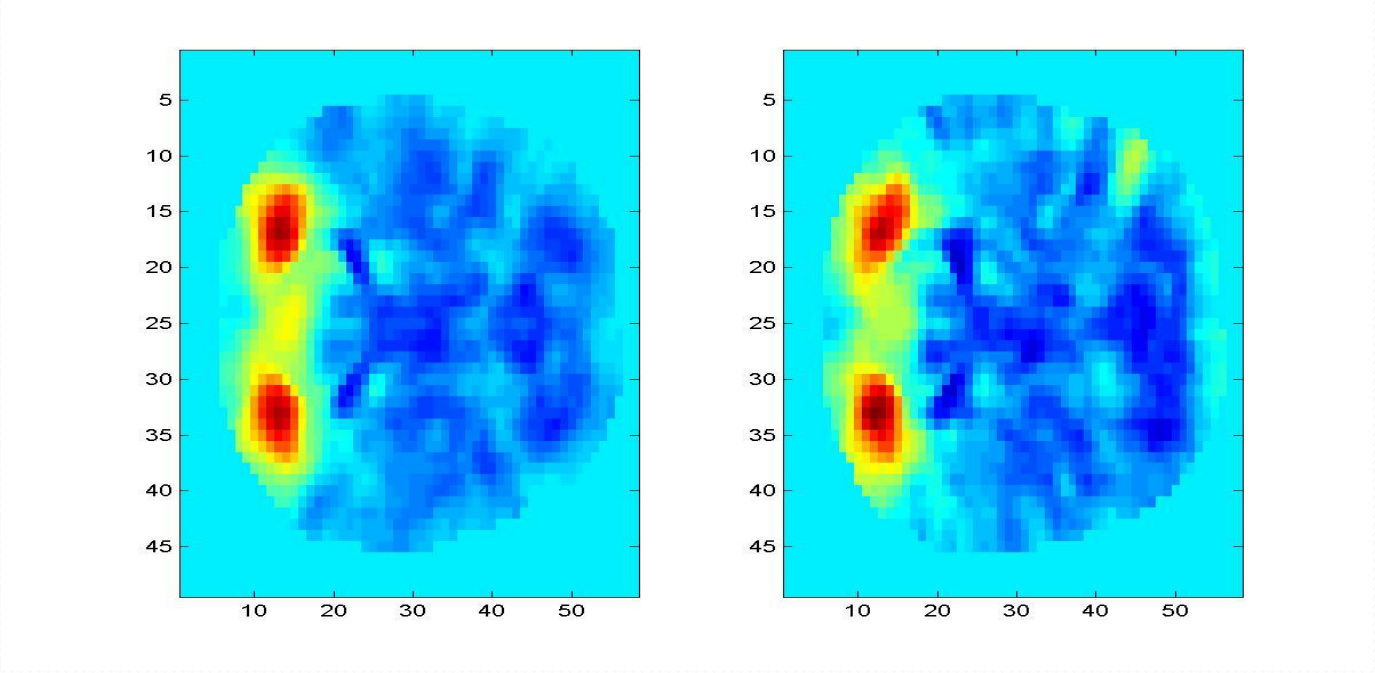
ADHD Classification

Amy Ko

Week 7

Summary of Last Week

- Functional connectivity (FC) maps
  - RSN average time series vs. all other voxels

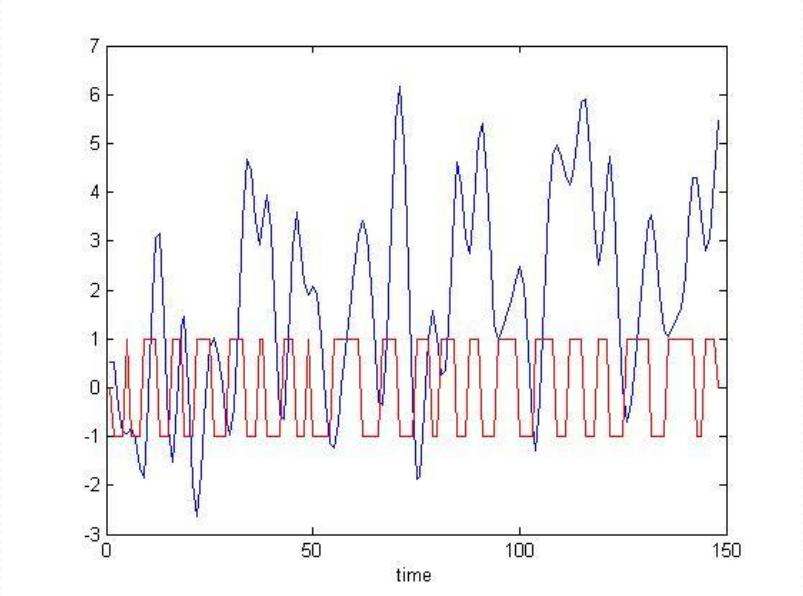


Summary of Last Week

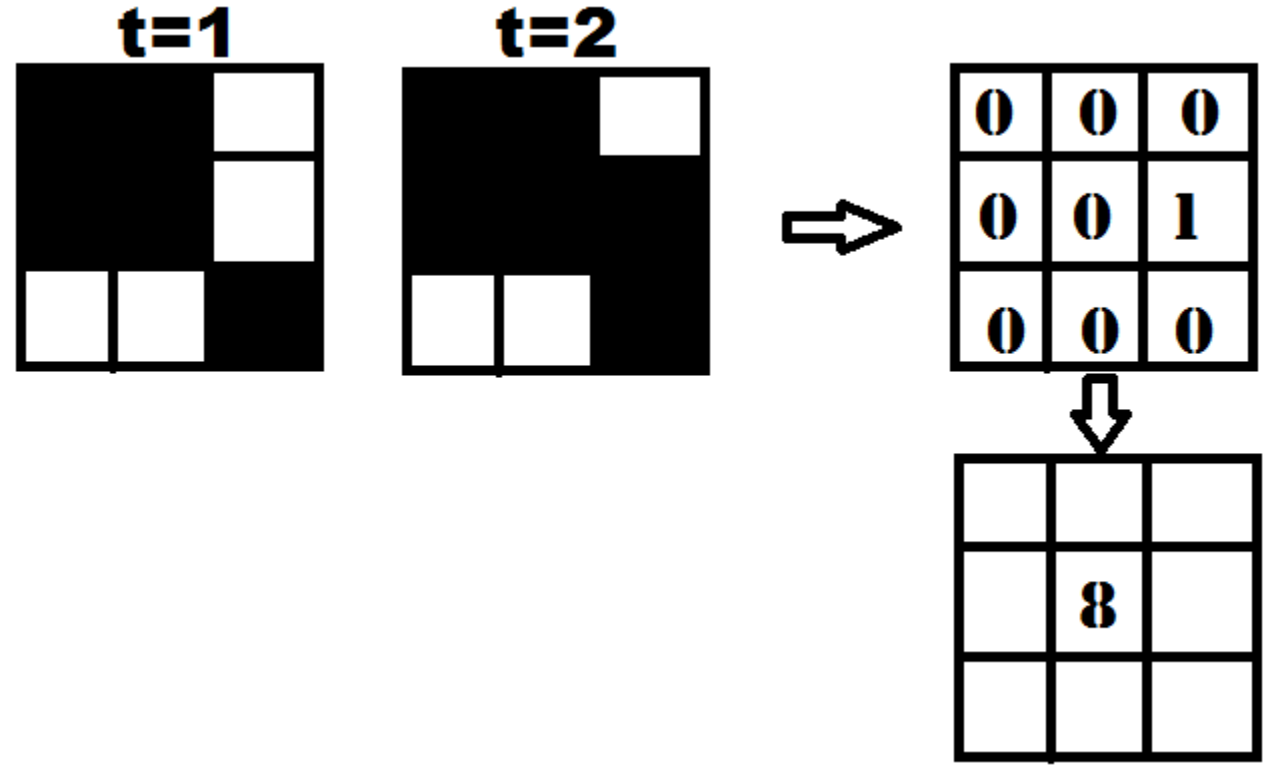
- Extract most different regions from average brains
- Use them as feature vectors → Linear Discriminant Analysis
- Result: ~70%
- But much worse on other datasets
- Couldn't find defining features common across different datasets

New Approach

- **Approach**: Study temporal relationships between the most concordant regions
- **Phase I**: Extract concordant regions
  - time series → slope
  - 1, if positive
  - -1, if negative
  - 0, otherwise

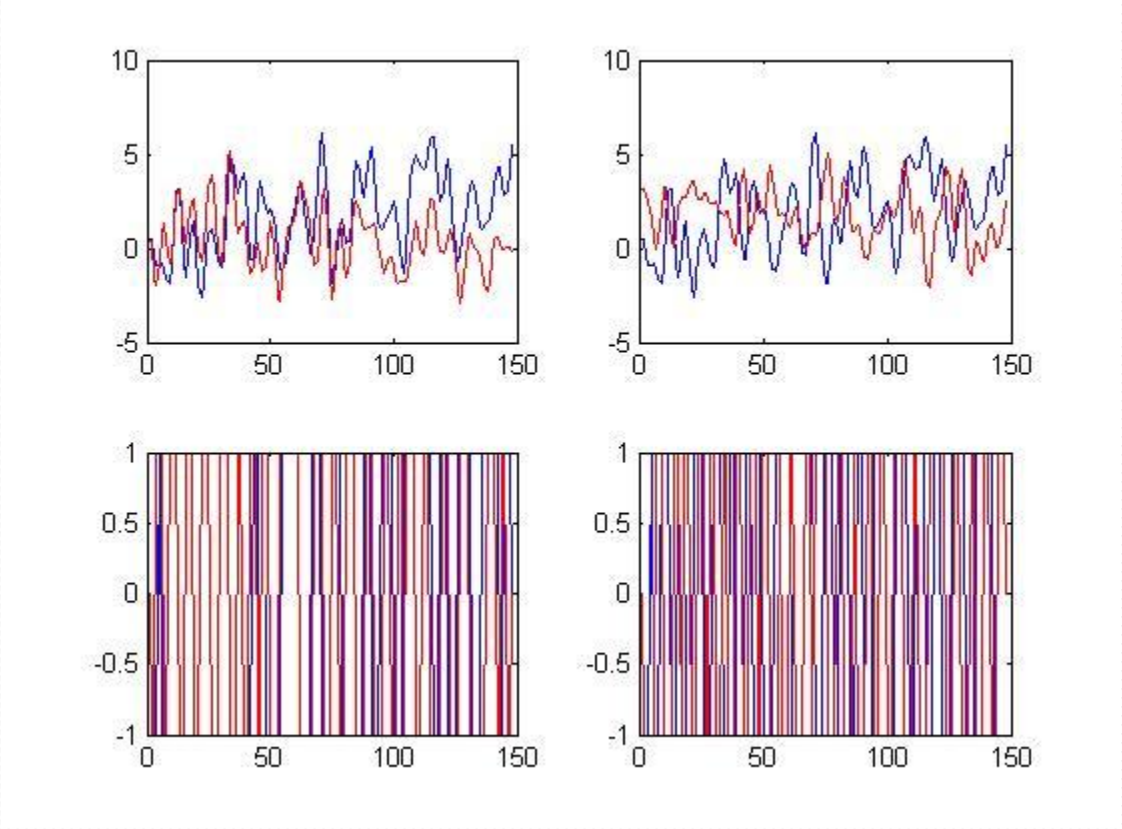


New Approach



Rest of the Week

- Finish extracting concordant regions
- Start looking at temporal relations of these regions


10
5
0
-5
0
50
100
150
10
5
0
-5
0
50
100
150
1
0.5
0
-0.5
-1
0
50
100
150
1
0.5
0
-0.5
-1
0
50
100
150