

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green. They are positioned diagonally, with the blue one partially covering the green one.

# Week of 8/31 Deliverables

Eric Bridgeford



# Eric's Goals

- Build webpage for class
- Write examples of statement of work and presentation slides
- Example of Paper Summary
- Make sure there is at least one bullet per person!



# What Eric Did

- Build webpage for class ✓
  - DoD: a link to a web-page for the class
- Write examples of statement of work and presentation slides ✓
  - DoD: a link to a statement of work and a link to the presentation slides
- Example of Paper Summary ✓
  - DoD: a link to an example of a summary of a research paper



# Webpage for class

- <https://neurodatadesign.github.io/Syllabus/>



# Example Proposal Slides and Statement of Work

<https://github.com/NeuroDataDesign/Syllabus/tree/master/examples>



# Example of Paper Summary for Coherent Subgraphing

- Identify sufficient parameters to characterize the distribution of connected and disconnected edges in multiclass data
- Identify the set of edges of a graph (subgraph) that demonstrate the greatest class-conditional difference in a set of bernoulli graphs
  - Coherency assumption: the bulk of the class-conditional difference can be captured by a few signal vertices
- Use subgraph and related estimators to produce a bayes-plugin classifier that allows accurate prediction of the classes of new graphs
- Detailed summary:  
[https://neurodatadesign.github.io/template/ebridge2/week\\_0903/example\\_paper.html](https://neurodatadesign.github.io/template/ebridge2/week_0903/example_paper.html)



# Goals for Next Week

- Ndmg-paper figures finished
  - DoD: link to pdf with the figures for the ndmg paper
- Set up meetings with bcaffo and jovo
  - DoD: a recurrent meeting gcal'd to bcaffo, myself, jovo
- Finish gigantum big-graph gen on 4 core, 16 gig RAM machine on EC2
  - DoD: small instance that runs big-graph analysis on EC2 with SSDs
- Again, make sure there is at least 1 bullet per person, with formative DoDs (DoDs will be solidified by Wednesday session)!