Agenda

Greetings and Introductions

Hackathon description

Originally sponsored by Hillsborough County

Now Code for Tampa Bay <c4tb/>, a "Brigade" of Code for America

Part of the "National Day of Civic Hacking" NDoCH

Flyers

We have flyers, they may be about to change

Data sets

GIS data

spreadsheet data.

Mosquito Trap Data:

Community Ecology

Classification of association between species occurrence in samples.

"Samples" dimension can be many things but typically: Dates, Locations, or both.

Common methods:

Since data are: sparse, discrete, and skewed: PCA inappropriate

Typically transformed with square root or log(x+1)

Cluster Analysis, dendrograms,

Detrended Correspondence Analysis

Cornell Ecology Package (1980's)

DECORANA (1990's)

latest craze? (2000's anyway):

Non-Metric Multidimensional Scaling (NMDS) -> PRIMER Plymouth Marine Lab

Maps...