Greetings

Announcements:

need sponsors,

after party somewhere nearby... James Joyce a fav...

Intros

Hope you signed in since that will hopefully get me your email address

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

Gdrive

Hub for Hackathon Planning

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Challenges

1) Mosquito Education Game

Tampa Bay Python tomorrow night @ The Wave will introduce pyGame

2) Digital Inspector

Digital form or…?

Want a ride along

3) Truck Router

Variation on "Travelling Salesman" problem

Cover a "ZONE" with the least double road coverage

4) Zone Picker

Prescriptive Analytics

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...