

# Enough JavaScript to be a Menace to Yourself and Those Around You

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# To Do

- Intro to DataKind from Peter Darche
- Meeting up
- Job board
- Final project reminder
- Organizations we are partnering with
- Last module's homework
- Javascript
- This module's work

# Intro to DataKind from Peter Darche

- [www.datakind.org](http://www.datakind.org)



# Meeting up

- Met up this past Monday: was great to see you in person
- If you are interested in meeting up again, let me know: will try to do again
- If you are not NYC based, we should get on skype or google hangout

# Job board

- A few organizations are hiring/looking for consultants
  - Education
  - Marketing
  - Web Dev
- Drop me a line if you are interested/looking

# Final project reminder

- I need a proposal from you in 2 weeks! I encourage you to send them earlier
- We will be talking next class about our projects ideas
- If you do not have a strong idea of what you want to work on (and even if you do) I encourage you to consider working with our partners' data

# Organizations we are partnering with: DataKind

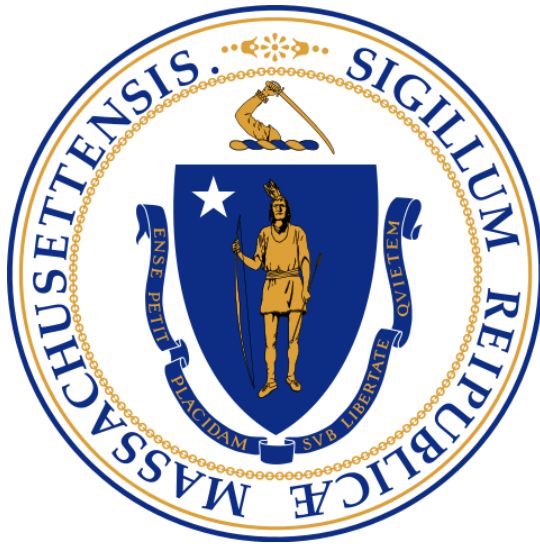
- Providing us with data from the UN MyWorld Survey <http://www.myworld2015.org/>
- Information about:
  - Country
  - Priorities
  - Corruption & government effectiveness estimates



# Organizations we are partnering with:

## Massachusetts's House Committee on State Assets

- Huge dataset on money spent and authorization
- Our contacts there are interested in an interactive tool to track spending per authorization





# Organizations we are partnering with: The Brennan Center

- Public policy institute focusing on justice issues
- Interested in the courts and law: sentencing guidelines, etc.

The logo for the Brennan Center for Justice is displayed. It consists of the words "BRENNAN", "CENTER", and "FOR JUSTICE" stacked vertically in a serif font. Each word is underlined with a red line.

BRENNAN  
CENTER  
FOR JUSTICE

# Organizations we are partnering with: The US Trade & Development Agency

- Interested in showing that the agency is investing along global trends and is effective
- Still working on gathering data



# Last module's homework

- To iPython Notebook

# This week: Javascript

- I'm going to make you learn a little bit about ANOTHER programming language
- Sorry
- But this one is fun!
- NOTE: some usage will depend on HTML/CSS

# Javascript: the good stuff

- Runs in browser: allows interactivity at a scale you cannot obtain with other languages
- Amazing ecosystem/libraries/tools/tutorials available
- Not too hard to pick up: generally looks like R

# Javascript: the bad stuff

- Very difficult to keep data secure in web applications
- Global Object design can make it VERY hard to debug
- Not inherently very good with data (arrays, multiple falsy values, etc)
- Typing system gives terrible results if you aren't careful

```
'5' - 2 = 3  
'5' + 2 = '52'
```

# Javascript: for this class

- Not looking to make you an expert
- Just want to give you the ability to work with existing libraries
- Use key resources
  - <http://javascript.crockford.com/survey.html>
  - <http://www.adobe.com/devnet/html5/articles/intro-to-javascript-for-the-total-beginner.html>
  - <http://www.jshint.com/> ('warning: will hurt your feelings')
  - <http://jsfiddle.net/>

# This module's work

- Most important: ideas for final project
- NO EXTENSIONS WITHOUT DOCUMENTATION
- Basic javascript exercises
- Extra Credit- fun stuff: NVD3.js <http://nvd3.org/>



