

Get Ready for... Javascript and D3

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Why Javascript? Why D3?

- For agent-based modeling, I have chosen to use Javascript+HTML5+D3
 - There are specialized packages for agentbased modeling but I find them a bit clunky
 - Building an agent-based model from scratch let's you see exactly what is "under the hood"
 - Learning javascript and D3 has payoffs beyond just simulation: creating interactive visual applications for your clients
 - D3 gets you into the world of functional programming: a powerful paradigm

Javascript Tutorial

- https://javascript.info
- It should be sufficient to read the following:
 - Chapter 1: An Introduction
 - Chapter 2: Fundamentals
 - Section 5.4: Arrays
- (For code editing, I do not use an IDE. I recommend Notepad++ on Windows)
- (The tutorial says to use 'let' instead of 'var'; My examples still use 'var')

D3 Tutorial

- https://bost.ocks.org/mike/circles/
- You can download the script from eDimension
 - ThreeLittleCircles.zip



