D3 and Ufora

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When do you use D3?

- During analysis?
 - exploratory plots are probably made in matplotlib or matlab or R
- D3 comes in when we want to make it pretty.
 - What if we could use D3 as part of the data exploration?

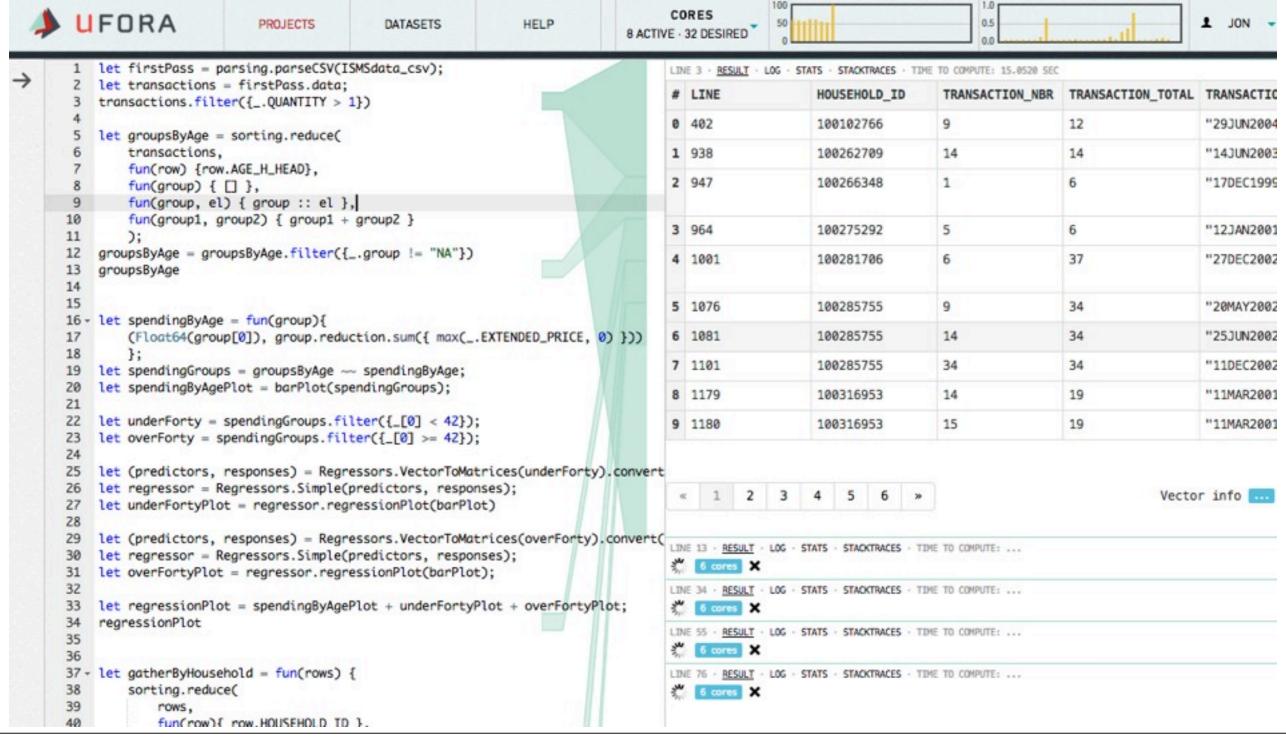
What's a Ufora?

- Fora is a language that's perfectly suited for parallel computing
- Ufora (the company) develops Fora and the runtime that underpins the parallelism

But I don't code in parallel!

- Fora parallelises for you
- Fora runs on clusters (or across the cores of a single machine) and distributes the work, and the data, without you having to think about it.

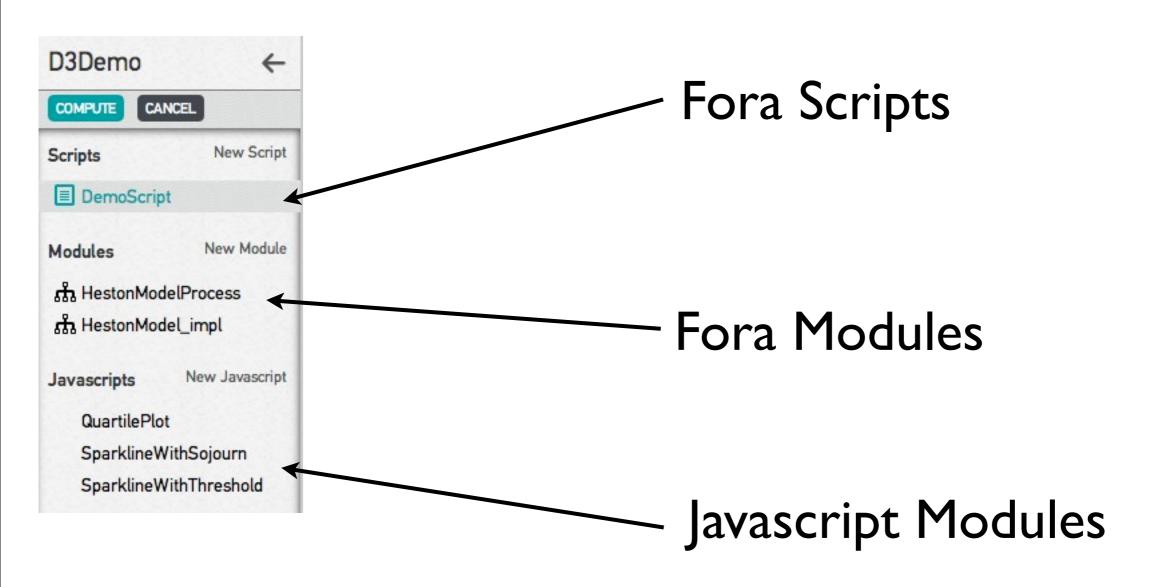
It can be a cloud computer - so there's a browser based IDE



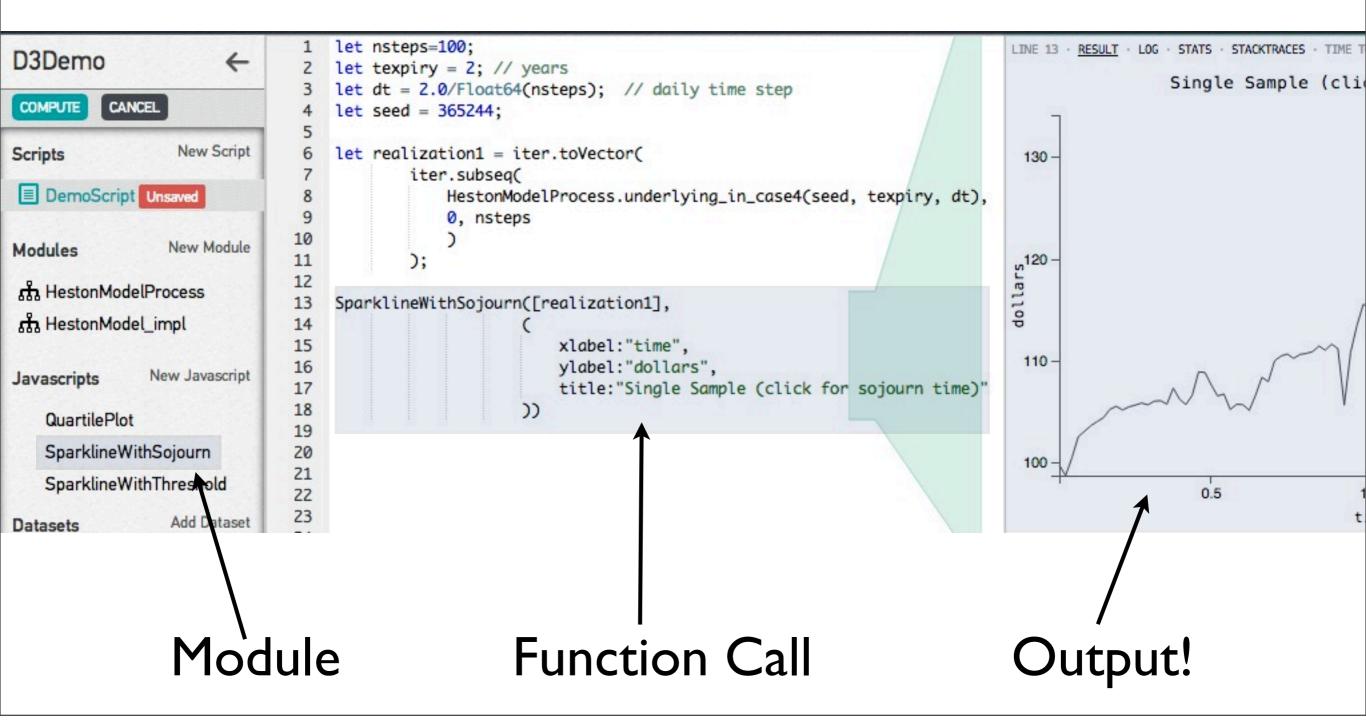
Enter D3

 As the data is transferred via json, why not integrate D3 at the heart of the IDE?

Code Javascript as a Module

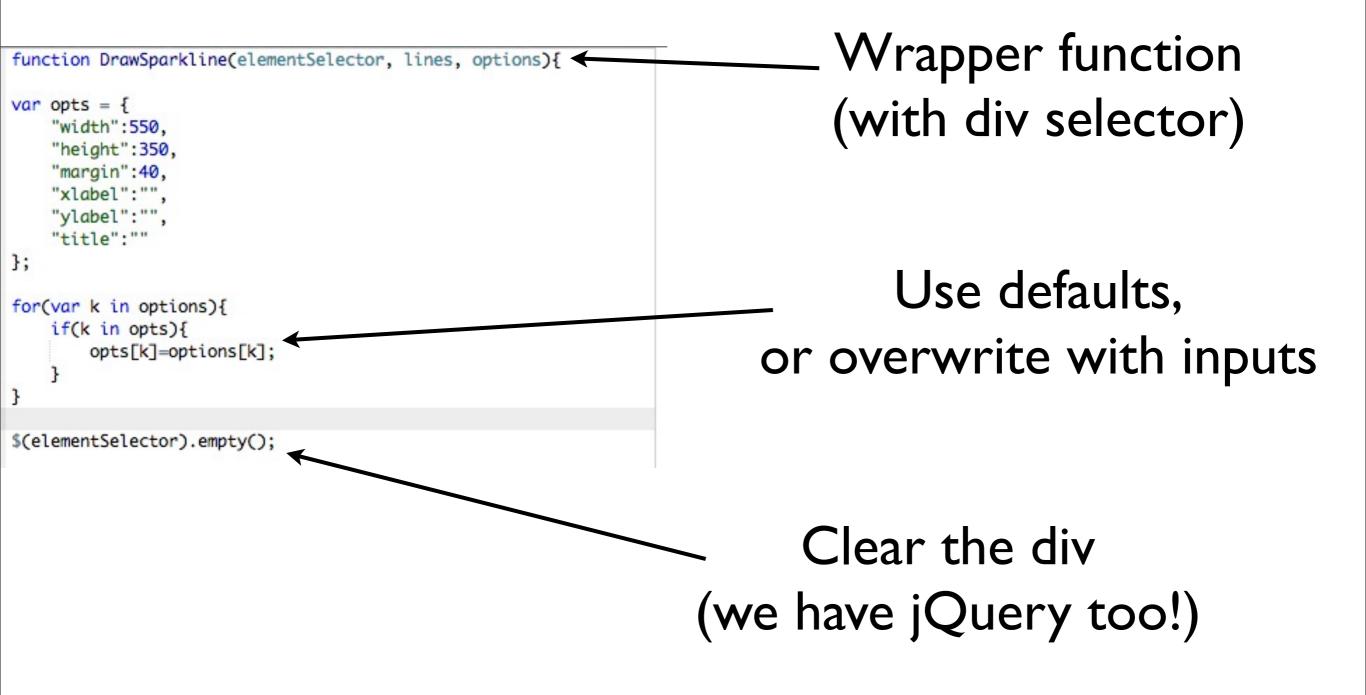


and just call it as a function



Just Like That?

- There are a couple of tricks to it:
 - The function gets called once when the line of code executes
 - Therefore the modules are a single function
 - The function takes an ID that specifies the div.



Then write D3 like you would normally! (see demo and github for the live code)

To find out more

• Sign up for updates about Ufora:

www.ufora.com/subscribe

 Check out the GitHub for the D3 code (coming soon after this meetup)

https://github.com/ufora/d3plots