HUDK 5053: FEATURED ENGINEERING STUDIO

10/9/18 1:42 PM

In the news

Entrepreneur

Which Analytics Do You Really Need?

Descriptive? Diagnostic? Predictive? Prescriptive? Here's how to design your own analytics agenda

Analytics Insight

TOP 5 DEEP LEARNING TRENDS THAT WILL DOMINATE 2019

npr one

Facial Recognition Technology In Schools Prompts Privacy Questions

THE TRIBUNE

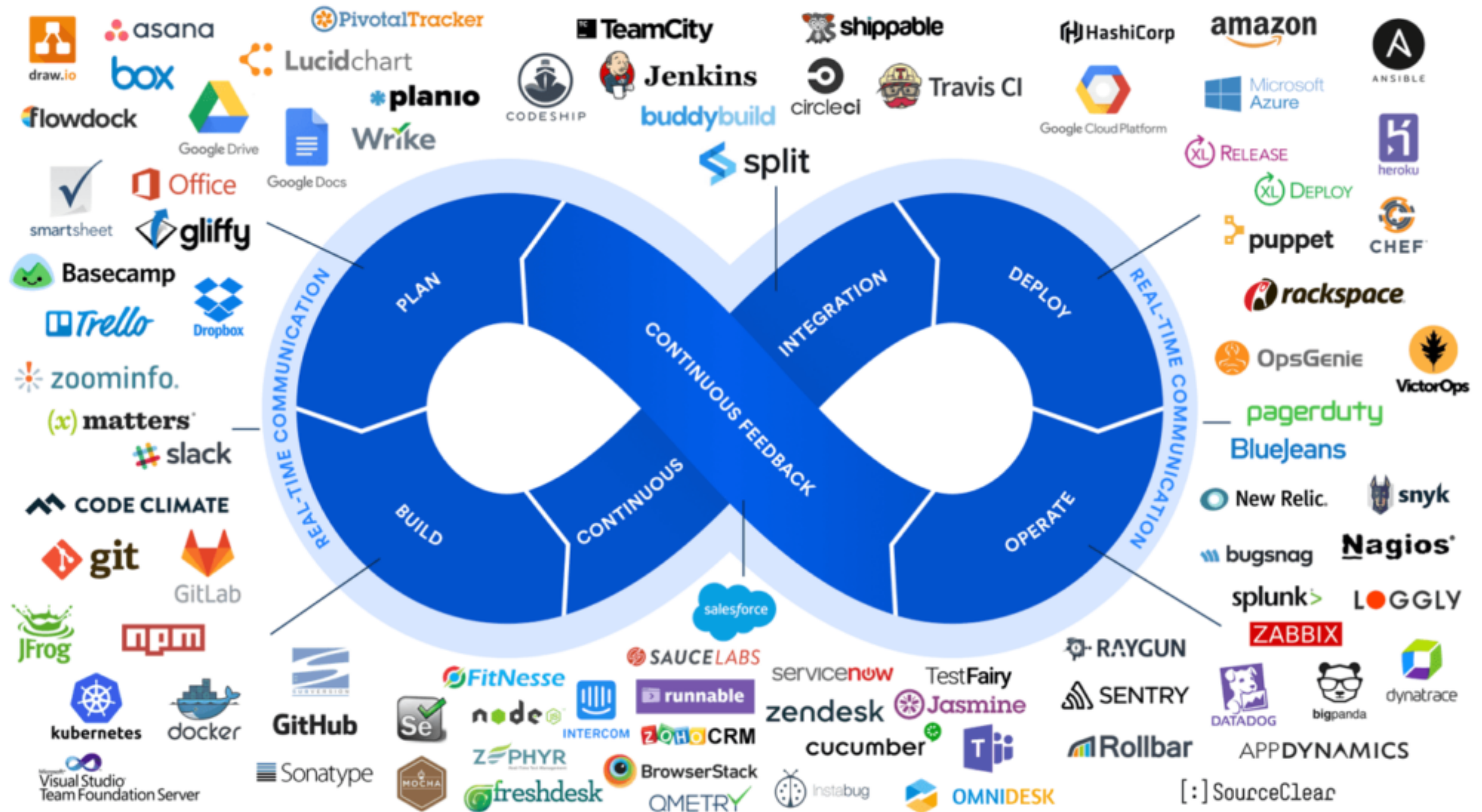## Pilot program will give breakfast before standardized test

BBC

Katrina McHugh: Pop charts... as you've never seen them before

Events

Title	Date	Link
Deep Learning Class	6:00pm October 10	https://meet.meetup.com/wf/click?upn=pEEcc35imY7Cg0tG1vyTt6zEs68RbcMfjPcajNHTKtn8w85yKXsc79IWp6l3R22LaVXDZrYjCAJqEMrfO8EGPIqDaktng8WqaLm5b8XliqF-2BIrgxrjAPxgs1Z2-2B8C9ojJ5M0Lk9xWqxqZdpEiS2Lf9D-2FUDhM6vsT3zIQkQm5MhU-2BRGvxK8R-2FvbClCknv3at20o8XE5LUSRqEEf6ucoF8ohuTyNdx-2BC6PNyrQPTBQD6AWjLeBNQgpCDUxXbbZWzdORCrBLmqjC-2FOPqHnlDOg023eCvgRvVhjcUStww2g-2BsfLvm1mKLGS7XWTXzn2Czssj_l3fs1g-2F466j3y5fD5Q61KTvREVidSz8eOmcgorpVEXbFsFBLKBtKfVh19YoW8z-2FCEScVbDxlsfSwigXUgKdbAinU1kH5IfyTZAydu0zRc9E5MRfdqadtYIDzYc38F3zVuJXvuszo0Fklyb8-2Fm26yp1GBEUer4PaXFgfJKaWNzPPuQS26XYPhqmbnEz8Rgq5FroL6R9dO2CouLfr84KkGyduCWP34ncbHZq5VeAMcVe0-3D
Truth-Seeking in the Age of Disinformation	1:00pm October 12	https://events.columbia.edu/cal/event/eventView.do?b=de&calPath=%2Fpublic%2Fcals%2FMainCal&guid=CAL-00bb9e28-6652beba-0166-53fb55a4-000007e0events@columbia.edu&recurrenceId=
SVP of Data Science at Nielsen Marketing Cloud	1:45pm October 15	GDH 285
John Allspaw	6:30pm October 15	https://www.meetup.com/papers-we-love/events/254505298/?gj=wcs1_e&rv=wcs1_e&_xtd=gatlbWFpbF9jbGlja9oAJDczMDVjZTlyLTQyMDAtNGU1Yi04M2FlLWFkMjliMGUzNGNjOA&_af=event&_af_eid=254505298&_cookie-check=9EqnX6p5vFcCifxZ
Big Data for Intelligence Symposium	Washington DC, October 16 - 17	http://bigdatasymposium.dsigroup.org/
People centric approach to optimize Data Science, Commercial impact and Leadership	10:30am November 14	https://events.columbia.edu/cal/event/eventView.do?b=de&calPath=%2Fpublic%2Fcals%2FMainCal&guid=CAL-00bb9e24-655b8449-0165-5e0ea7e9-00001957events@columbia.edu&recurrenceId=

DevOps Pipeline

Scripts

- You can save any code as an `script.R` file
- When you run the file, the whole thing runs,
- Not super convenient

Functions

```
function.name <- function(x){
 *stuff*
 return(stuff)
}
```

Debugging

```
debug(addPercent)
      ls()
options(error=recover)

  system.time()
```

Build, Manage and Secure Your Apps Anywhere. Your Way.

The Dev to Ops Choice for Container Platforms

- Tool for running an application in an isolated environment
- Ensures that it runs the same way on all machines every time
- Promotes collaboration
- Good for scaling
- Sandboxes your application
-

Containers

- Lightweight VM (own network interface)

- Isolated processes

- Laptop can run 10-100 containers (server 100-1000)

- Containers run very close to native speed

- Versions/distributions/packages work the same way on server as it does on your machine

- Install Docker: https://store.docker.com/

- Run Hello World container

- Try to run the RSutdio container

- If on Mac:

  - Install Kitematic

  - Follow these instructions:

https://ropenscilabs.github.io/r-docker-tutorial/02-Launching-Docker.html