# AI and machine learning for mortals

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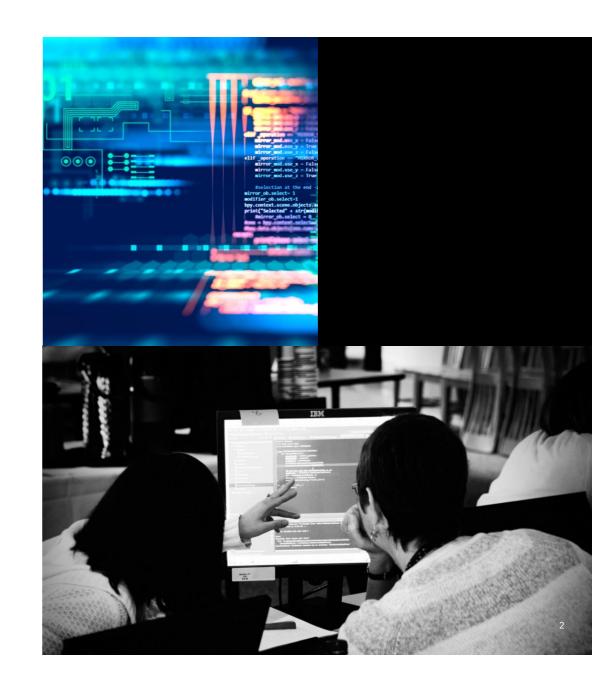
iPOWER North 2019/02

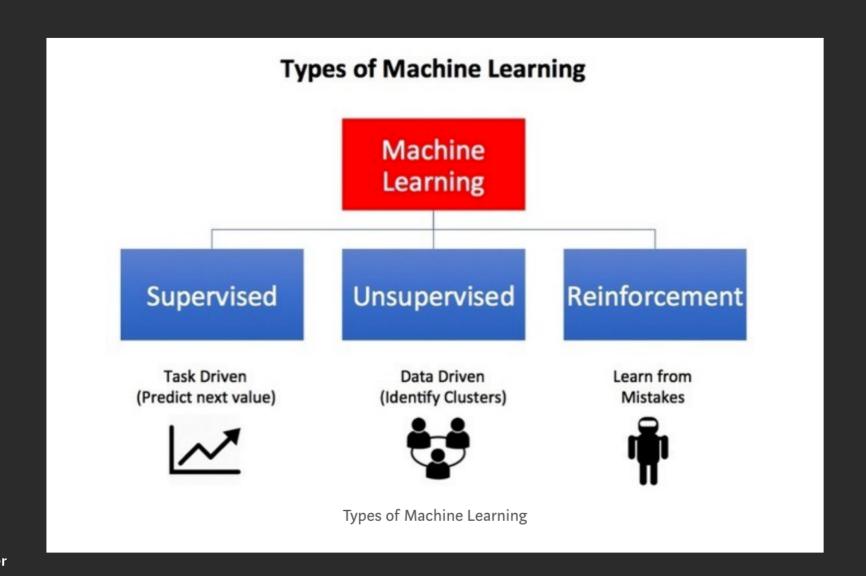
### IBM Developer

- twitter.com/rcruicks
- github.com/ibmrcruicks
- github.com/IBMdeveloperUK
- developer.ibm.com

Power Virtual User Group - VUG

https://youtu.be/8FpCddkTyrI





#### Watson Anywhere

https://www.ibm.com/blogs/think/2019/02/enabling-watson-anywhere/

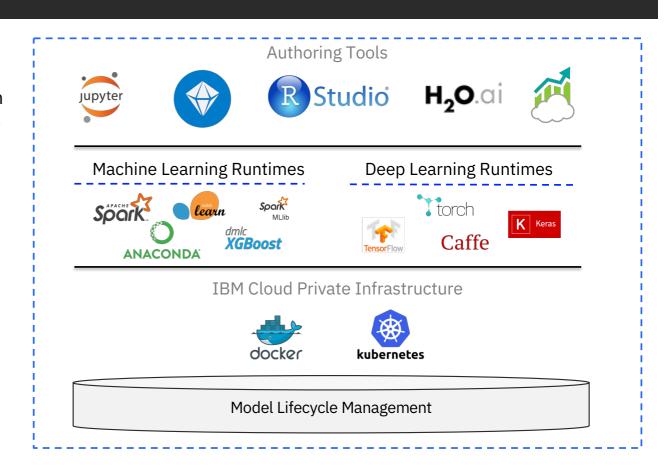
A series of new Watson microservices on IBM Cloud Private for Data, our open, cloud-native information architecture for AI. This platform comes integrated with advanced data science, data engineering and application-building capabilities, and is designed to help companies uncover previously unobtainable insights from their data.

Through IBM Cloud Private for Data, Watson microservices can be run on <u>IBM Cloud</u>, or any public, hybrid or multi-cloud environment, enabling businesses to infuse AI into their apps, wherever they reside.



## Data Science Lifecycle ICP for Data embeds Watson Studio – providing open & extensible data science tooling

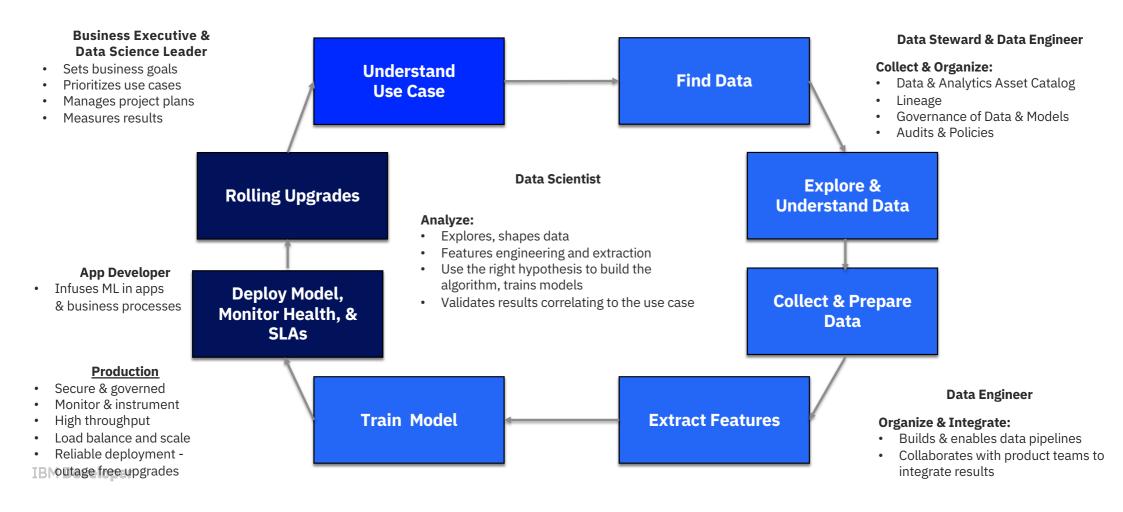
- Best-of-breed tooling from open ecosystem
  - Authoring tools
  - Machine learning, deep learning, optimization
  - Customize environments, packages & images
- Coding and visual modeling options
- Cloud private infrastructure
  - Container-based resource management
  - Scale with distributed and GPU support
- Model Lifecycle Management
  - Dev -> Test -> Staging -> Prod
  - Versioning, release, SLAs, rolling upgrades



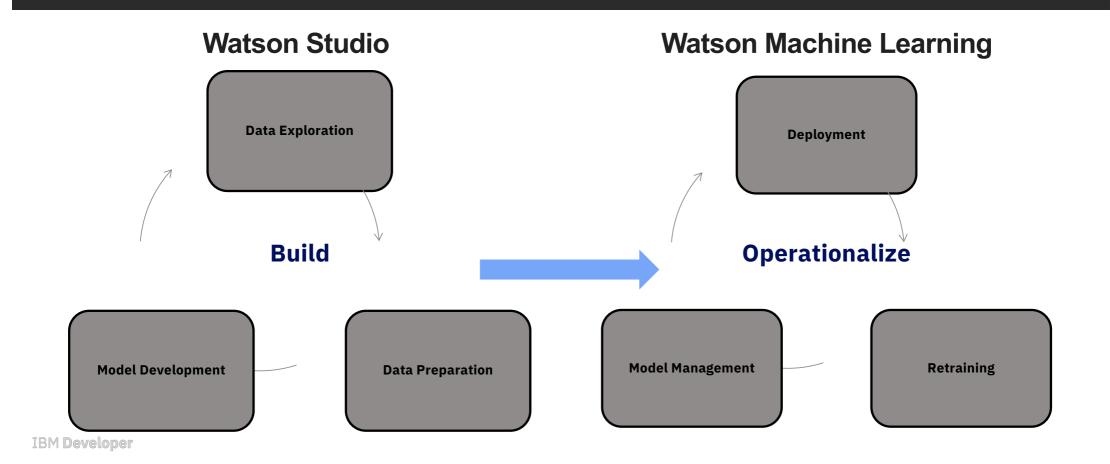
#### Data Science "A Day in the Life"

**Development** & Prototyping

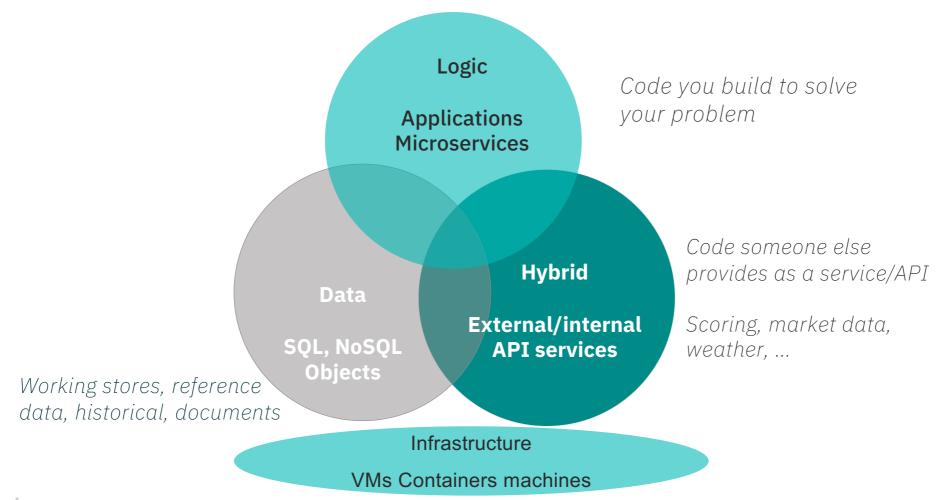
**Production** 



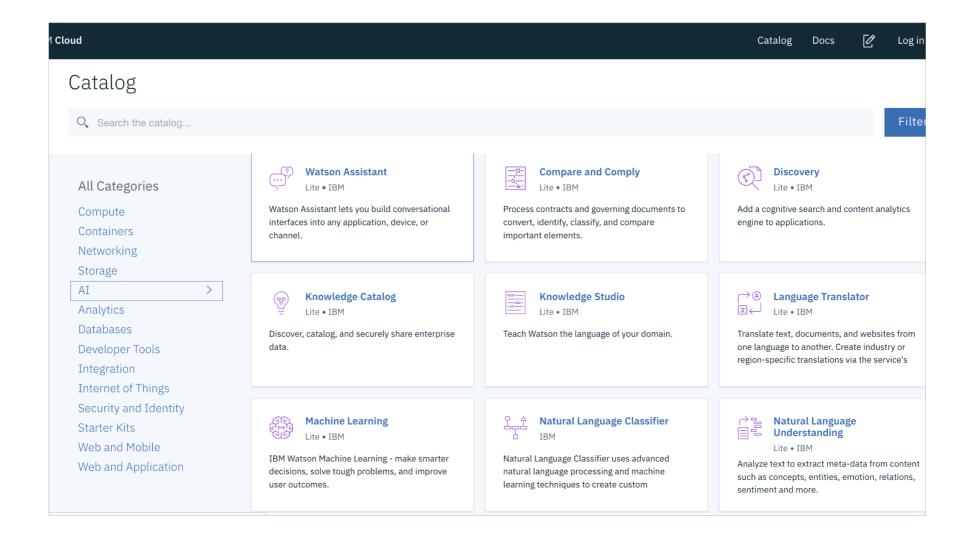
### Data Science Lifecycle in ICP for Data Accelerate from Discovery to Production



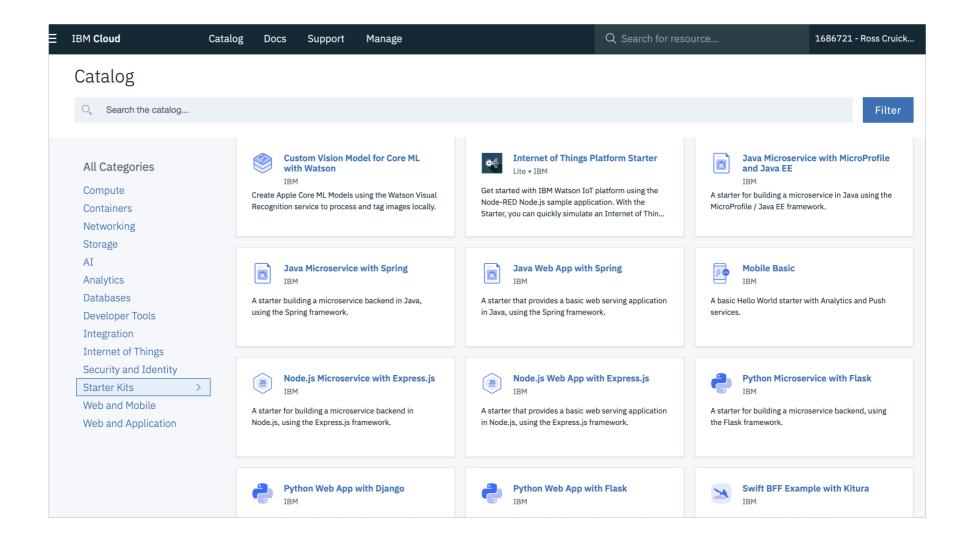
#### Exploring the platform









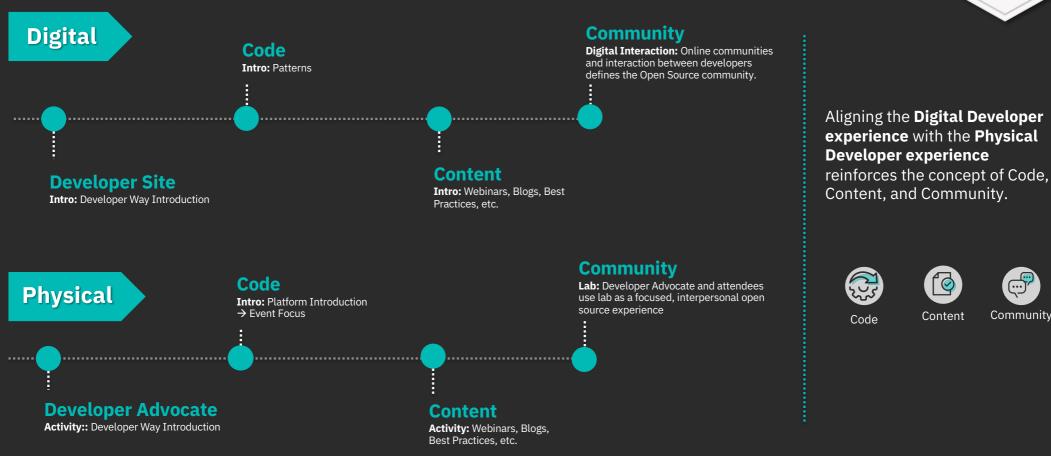




#### IBM Developer Code Experience

Creating a Consistent Experience in Both Digital and Physical Interactions





IBM **Developer** 

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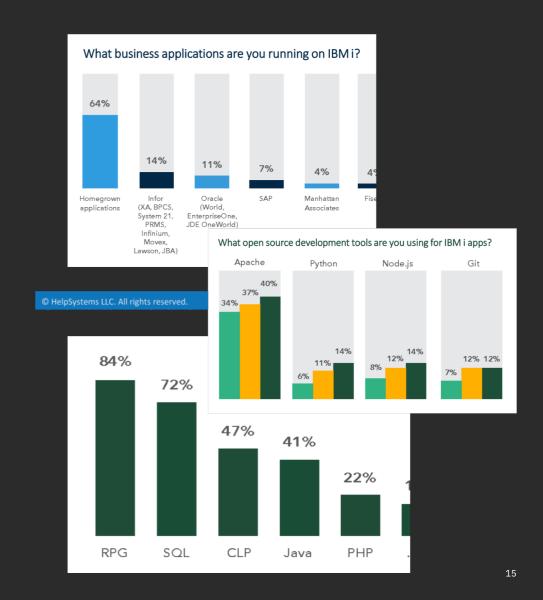
#### IBMi – the "i" is for Integrated

https://www.eweek.com/innovation/ibm-ithe-most-amazing-ibm-product-you-venever-heard-of

#### IBM Think 2019

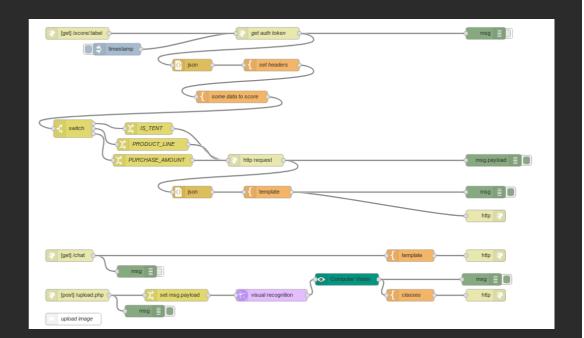
"IBM I is the closest thing to a software platform superhero I've yet seen and likely the safest and most powerful server platform you've never heard of."

https://1.dam.s81c.com/m/41824ee35c352 dbd/original/2104-pdf.pdf



#### Easy AI/ML with IBMi

- Watson Studio
- Machine Learning
- Assistant/Chatbot
- Image classification
- Node-RED on IBMi



- <a href="https://github.com/IBMDeveloperUK/NodeRED-for-AI-flows">https://github.com/IBMDeveloperUK/NodeRED-for-AI-flows</a>
- <a href="https://github.com/IBMDeveloperUK/easy-ai-with-NodeRED">https://github.com/IBMDeveloperUK/easy-ai-with-NodeRED</a>
  IBM Developer

#### Build with open source, integrate whatever you need



#### I thank you!

- github.com/ibmrcruicks
- github.com/IBMdeveloperUK
- developer.ibm.com

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