

Data science from a bioinformatic viewpoint

Hacker Dojo Python Club
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Agenda

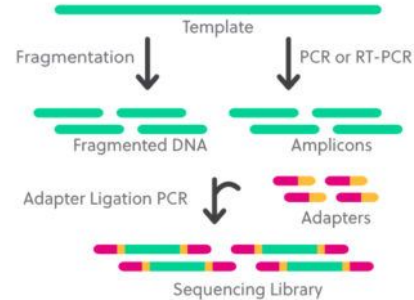
- Introduce Data science and machine learning from a Biologist viewpoint
- Overview concept map
- Python example of neural network
- Gather feedback on if there's interest in future talks

What type of data do I typically work with?

STEP 1: Extraction



STEP 2: Library Prep



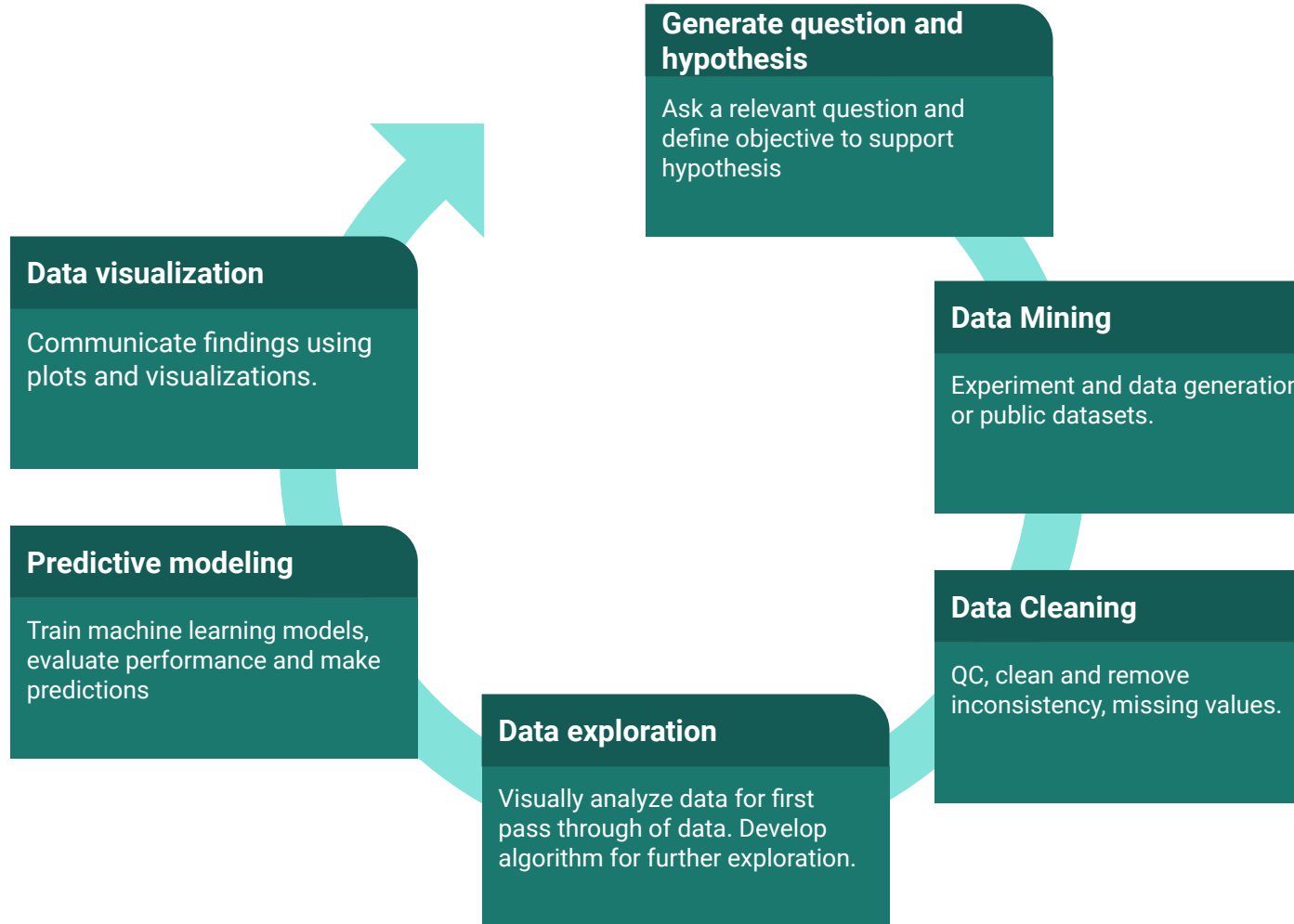
STEP 3: Sequencing

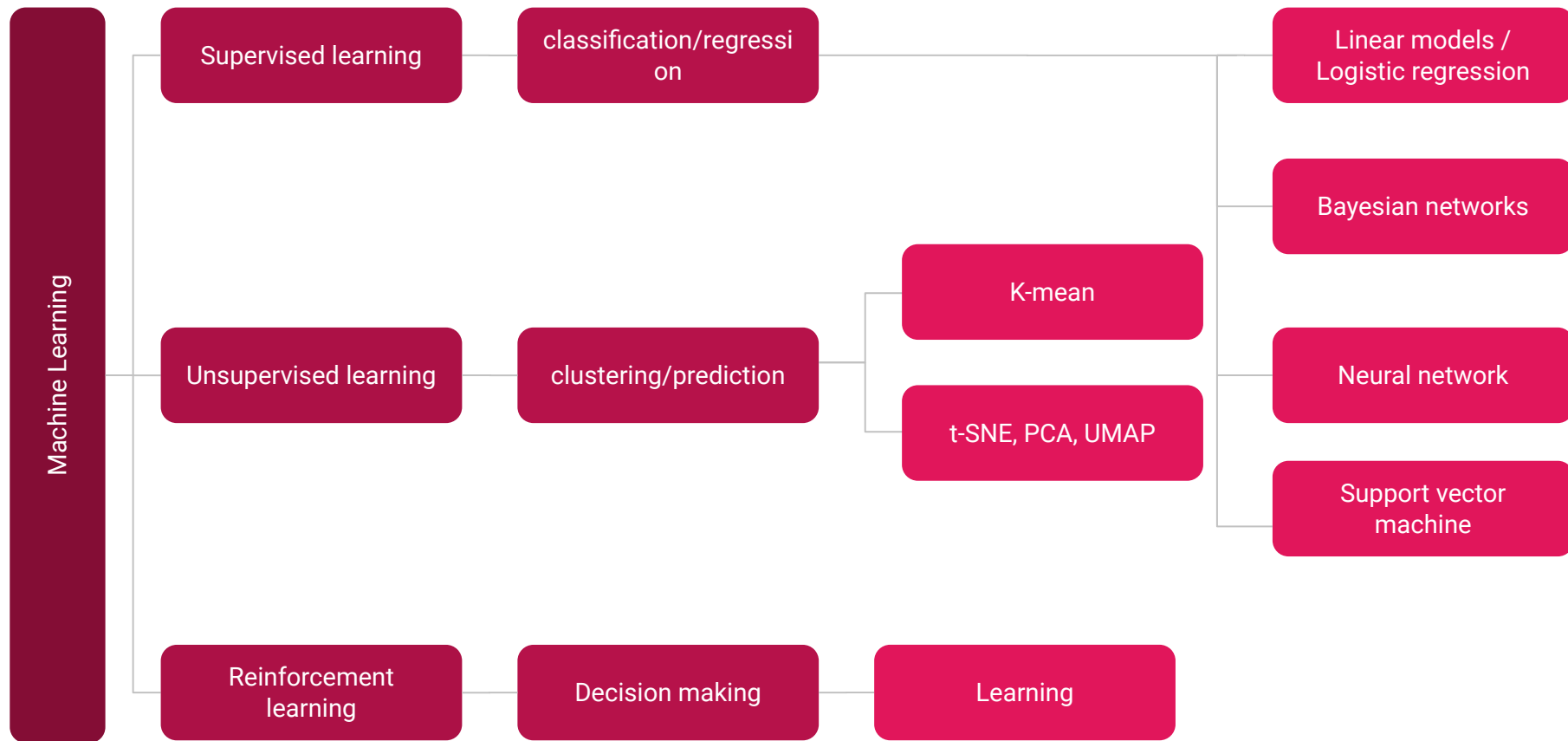


STEP 4: Analysis



Data science life cycle





Demonstrate PCA, linear, and logistic regression

All code can be found on Github

(https://github.com/jessicatwes/HackerDojo_PythonClub/blob/main/20240319_introDS/)

