Unit 3: Core tools Project structure

Lesson 23

Derek Ruths

Overview of unit

Objectives:

- Understanding how data science activities necessitate certain kinds of tools

7. Github

8. Jupyter notebooks

9. Jupyter & statefulness

- Fundamentals with core data science tools
- 1. Why core tools?
- 2. Project organization
- 3. Python
- 4. Best practice: write CLI tools 10.Bokeh
- 5. Best practice: write unit tests 11.Advanced bokeh
- 6. Best practice: resource 12.HW 3 referencing

Lesson overview

Objectives

• Understand the basic structure for a data science project

Outline

• The starting structure

Typical structure

Derek Ruths

oject-name> README.md data = not neassonly dround in be cause of so big analysis analysis scripts Louis to run 1 congimbert state from sho to rich Introduction to Data Science

Anatomy of a README

Your README is a way to communicate with OTHER people who want to pick this project up/use it. Write with them in mind. If you make unusual knowledge assumptions, say so up front.

- Welcome/overview what is this project? What is it for?
 - TODOs notes from the author, to the author/knowledgeable user
 - Gotchas any nasty surprises someone should know about
- Setup/Installation
- Running

Lesson wrap-up

Takeaways

- Data science project structure isn't complicated
- Keep data separate
- Keep your README up-to-date

Up next

Python