



Data Science: Tools & Process

Week 5 (Module 3!)



Agenda

- **Announcements**
 - Today's Lecture is on Module 3. Next Week's lecture is on Module 6.
 - The .py scripts must run without error and produce the requested results
- **Topic: EAV**
- **Quiz: Lesson 03 Quiz 0a (EAV)**
- **Topic: JSON**
- **Break**
- **Topic: JSON Lab**
- **Quiz: Lesson 03 Quiz 0b (JSON)**
- **Topic: Web Scraping**
- **Break**
- **Topic: Web Scraping Lab**
- **Quiz: Lesson 03 Quiz 0c (Web Scraping)**
- **Topic: Time permitting: Categorical Variables**
- **End of Class**
- **Home Assignment: Lesson 05 Assignment, Lesson 05 Quiz 1, Lesson 05 Quiz 2**

EAV

- Download slides from:
 - L03-A-EAV.pdf

Quiz on EAV

Lesson 03 Quiz 0a (EAV)

JSON

- Download slides from Overview:
 - L03-Part A-Student Notes.docx

Break

Break

JSON Lab

- Files for Lab:
 - L03-A-1-AccessJSONObjects.py
 - L03-A-2-JSONObjectinPython.py
 - L03-A-3-JSONArraytoPython.py
 - L03-A-4-PythontoJSON.py
 - L03-A-5-OutputJSONdata.py

Quiz on JSON

Lesson 03 Quiz 0b (JSON)

Web Scraping Lab



- Files for Lab:
 - L03-B-1-SimpleRequest.py
 - L03-B-2-WebScrape.py
 - L03-B-3-JSONscrape.py
 - L03-B-4-CSVscrape.py

Break

Break

Quiz on Web Scraping

Lesson 03 Quiz 0c (Web Scraping)

Lesson 03 Assignment

- Assignments:
 - Quiz 1
 - Quiz 3
 - Lesson 03 Assignment (Same dataset that you will use for Milestone)