Unit 6: Data Collection

JSON

Lesson 47

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Overview of unit

Objectives:

- Understand why data collection is a time-consuming part of a project
- Get experience working with API collection
- Become familiar with standard data storage solutions: JSON, csv, and sqlite
- Understand how bias arises and why it's hard to detect
- 1. Overview

6. Sampling

2. API-based collection

7. Homework 5

- 3. Reddit data collection
- 4. JSON
- 5. Scraping

Lesson overview

Objectives

- Be comfortable reading the JSON file format
- Understand the pros and cons for the data format

Outline

- Why JSON?
- The JSON format
- How to read the JSON format
- Why JSON isn't always the right answer

Why JSON?

CSV/TSV - fabular data (eg clean/simple entilizes w/data)

Json-more messy data

The JSON format

numbers

8tr

10001

(1545 [],,,]

did 3"1k": V,....3

How to read the JSON format

• import json

ison.load / loads

json.dump / dumps

data = jsoh.loads(svc)

Issues with JSON

Bloat

Hard to detect inconsistency

Lesson wrap-up

Takeaways

• JSON as a transport and storage protocol is great ... some of the time

Up next

Using the Reddit API