UDACITY Google spark

Palestine Launchpad Program

Data Analysis NanoDegree

Our agenda for today

1. Congrats who qualified to the next step
2. Recap about the last session
3. Answer Your Questions on Google form
4. Project (Two) Preparation Steps
5. Knowledge sharing
6. Q\A

Palestine Launchpad
منصة فلسطين التقنية
Google

Recap

What did we talk about last session

UDACITY

Last Session we covered the following:

Here's a breakdown of the key areas we covered:

- ✓ **Project (tow) overview:** We discussed a brief overview of the second project.
- ✓ **New Concepts:** Env in Python with Sondes
- ✓ **Activity (Study Case):** Working on Multiple Datasets.
- ✓ **Q&A:** We answered your questions about the material covered in the session.

Palestine Launchpad
منصة فلسطين التقنية
Google

Q\A

Answers to your enquieres

UDACITY

1- How to choose the right mode to write the get request response? In the material, they chose to write it in binary mode using : response.content. what about choosing another mode like text or json?

2- if possible i want to know more about HTTP requests like post(), and the parameters of get().

https://colab.research.google.com/drive/10Kv-Kl9YIsT75pEReOmrGKp9PAPF2TWo?usp=sharing

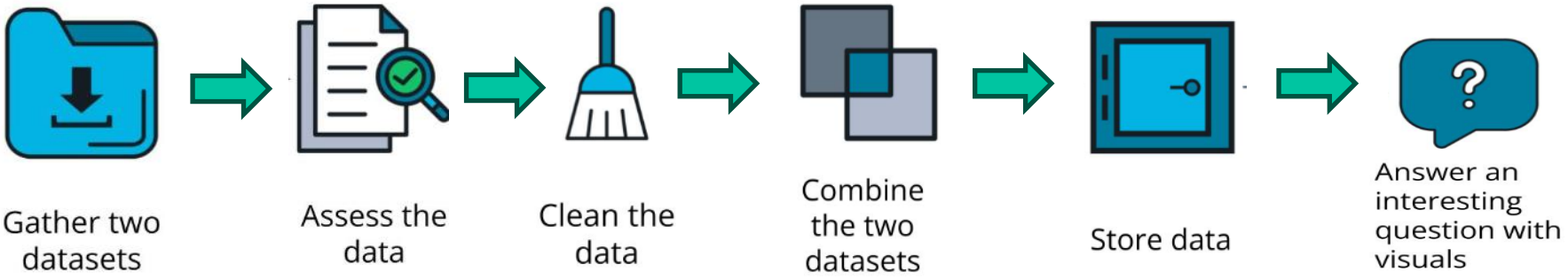
Palestine Launchpad
منصة فلسطين التقنية
Google

Project Two : Data Wrangling

What is needed to make a successful submit

UDACITY

Project: Real World Data Wrangling with Python



awraq-english

Introduction

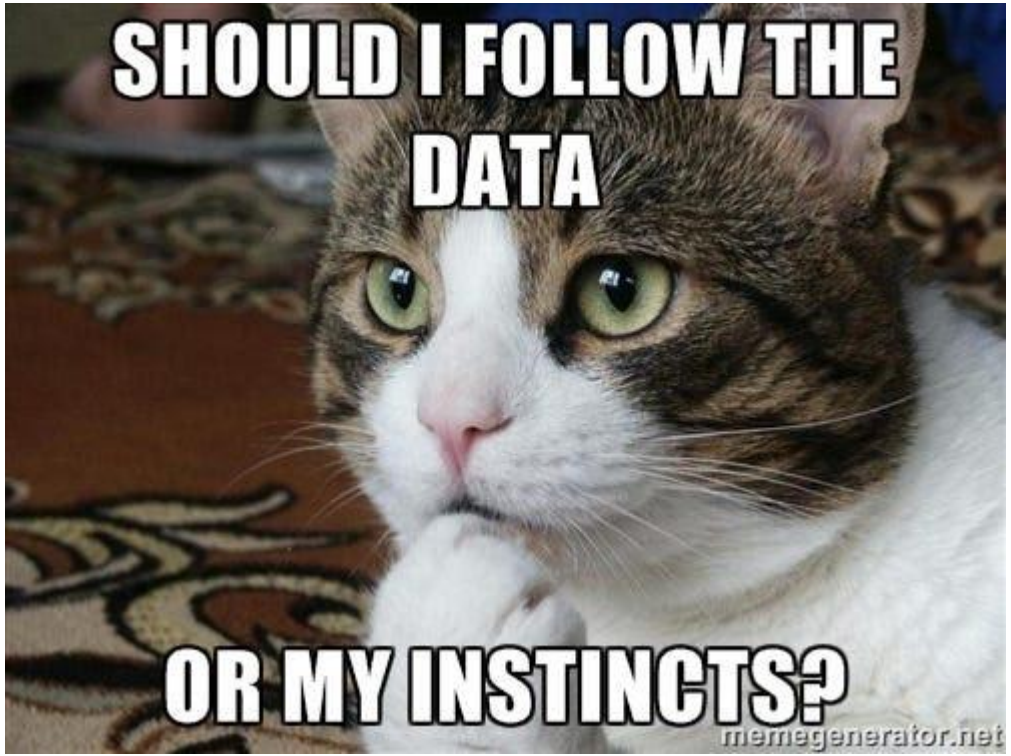
- Using Python and its libraries, you will **gather** data from a variety of sources and in a variety of formats, **assess its quality and tidiness**, then **clean it**. You will document your wrangling efforts in a Jupyter Notebook, plus showcase them through analyses and visualizations using Python (and its libraries).

Gather at least two datasets using two different data-gathering methods

- Download data manually
- Programmatically downloading files
- Gather data by accessing APIs
- Gather and extract data from HTML files using **BeautifulSoup**
- Extract data from a SQL database

Step 2: Assess Data

- Completeness
- Validity
- Accuracy
- Consistency
- Uniqueness



Step 3: Clean Data

- In this step, you'll clean the data to solve the issues corresponding to data quality and tidiness found in the assessing step. Make sure you include justifications for your cleaning decisions.

Scrapping Data Example

eng-aomar/content_aggergator: A content Aggregator website using python flask (github.com)

Palestine Launchpad
منصة فلسطين التقنية
Google

New Concepts

Udacity, Students and Session Leads

UDACITY

Big Data Engineering

1. Cloud services
2. Data pipelines

Palestine Launchpad
منصة فلسطين التقنية
Google

Case Study

Let's get things started...

UDACITY

Scarpe a Website

https://colab.research.google.com/drive/1VMeE9bZORfFZ-QAayBeDYSdupiyItubI?usp=sharing

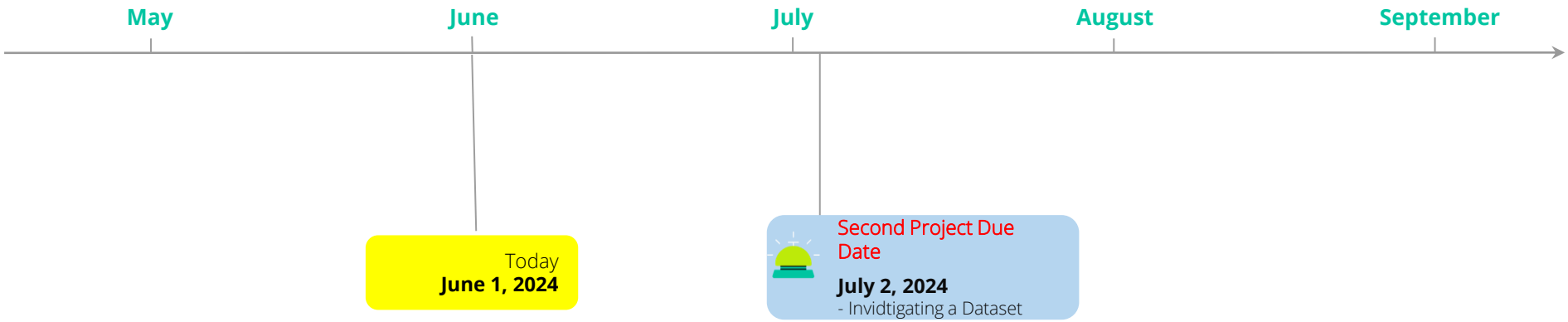
Palestine Launchpad
منصة فلسطين التقنية
Google

Next Steps

Let's get things started...

UDACITY

Second Project July 2, 2024



Start working with the second project:

1. Select the project idea.
2. Think about tow different data sources.
3. Start gathering data.

Palestine Launchpad
منصة فلسطين التقنية
Google

Thank You!

And Good Luck!

UDACITY