

SEARCH	Q
RESOURCES	
CONCEPTS	

## Project Details

Your tasks in this project are as follows:

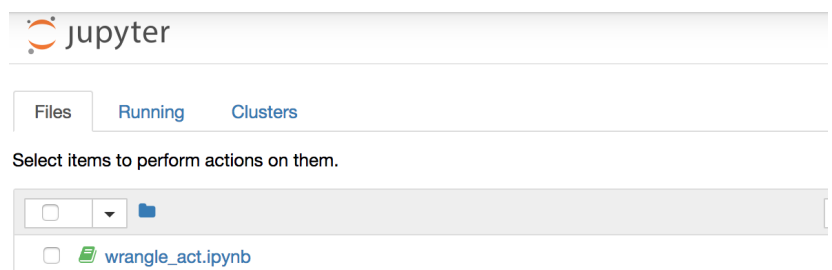
- Data wrangling, which consists of:
  - Gathering data (downloadable file in the Resources tab in the left mo classroom and linked in step 1 below).
  - Assessing data
  - Cleaning data
- Storing, analyzing, and visualizing your wrangled data
- Reporting on 1) your data wrangling efforts and 2) your data analyses and

## Gathering Data for this Project

Gather each of the three pieces of data as described below in a Jupyter Notebook `wrangle_act.ipynb`:

- The WeRateDogs Twitter archive. I am giving this file to you, so imagine it a Download this file manually by clicking the following link: `twitter_archiv`
- The tweet image predictions, i.e., what breed of dog (or other object, anim each tweet according to a neural network. This file (`image_predictions.t` Udacity's servers and should be downloaded programmatically using the F following URL: <https://d17h27t6h515a5.cloudfront.net/topher/2017/Aug/predictions/image-predictions.tsv>
- Each tweet's retweet count and favorite ("like") count at minimum, and any find interesting. Using the tweet IDs in the WeRateDogs Twitter archive, qu each tweet's JSON data using Python's `Tweepy` library and store each twee data in a file called `tweet_json.txt` file. Each tweet's JSON data should be Then read this .txt file line by line into a pandas DataFrame with (at minimi count, and favorite count. *Note: do not include your Twitter API keys, secrets, project submission.*

If you decide to complete your project in the Project Workspace, note that you c Jupyter Notebook Workspace by clicking the "Upload" button in the top righthar dashboard.



*Jupyter Notebook dashboard with arrow pointing to the "Upload"*

## Assessing Data for this Project

After gathering each of the above pieces of data, assess them visually and progr and tidiness issues. Detect and document at least **eight (8) quality issues** and **1** in your `wrangle_act.ipynb` Jupyter Notebook. To meet specifications, the issu Project Motivation (see the *Key Points* header on the previous page) must be ass

## Cleaning Data for this Project

Clean each of the issues you documented while assessing. Perform this cleaning `wrangle_act.ipynb` as well. The result should be a high quality and tidy maste

- ✓ 1. Project Overview
- ✓ 2. Project Motivation
- ✓ 3. Project Details
- ✓ 4. Twitter API
- ✓ 5. Project Workspace: Complete and ...
- 6. Project: Wrangle and Analyze Data



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