PythonM2_JosephVargovich

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```
[6]: #Import libraries I will be using
import math
import requests
import pandas as pd
```

1.1 Exercise 1:

1.1.1 Create a data frame "by hand" with the names, ages, and heights of your own family.

```
[7]:
          Name Age
                    Height
     0
           Joe
                 21
                          74
           Mom
                 55
                          64
     1
     2
           Ash
                 22
                          68
     3 Peanut
                 10
                          12
         Kitty
                          12
                 11
```

1.2 Exercise 2:

1.2.1 Find the mean age of the family.

```
[8]: #Select the Age column and call the mean function on it.
familyDF["Age"].mean()
```

[8]: 20.5

1.3 Exercise 3:

1.3.1 Import and parse csv to dataframe from remote source on GH.

```
[9]:
       Girth Height Volume
         8.3
                 70
                       10.3
    1
         8.6
                 65
                       10.3
    2
        8.8
                 63
                     10.2
    3
        10.5
                 72
                       16.4
        10.7
                       18.8
                 81
```

Here is a demo of a 404 error returned due to a faulty link.

```
HTTPError
                                                 Traceback (most recent call_
→last)
      <ipython-input-13-8d81b167ed3a> in <module>
        6 response = requests.get(download_url)
        7 #This will stop execution as the url is not valid.
  ----> 8 response.raise_for_status()
        9 #This will not run, the exception raised will terminate execution.
        10 with open(csv_name, "wb") as f:
       ~\anaconda3\lib\site-packages\requests\models.py in_
→raise_for_status(self)
      939
      940
                  if http_error_msg:
   --> 941
                      raise HTTPError(http_error_msg, response=self)
      942
           def close(self):
      943
      HTTPError: 404 Client Error: Not Found for url: https://raw.
→githubusercontent.com/dereksonderegger/570L/master/data-raw/
→Examplefsdafsdfsadadsf_1.csv
```

As expected, we have a 404 error as the link was invalid.