Python for Librarians - Week 3 Workalong Answers

In case you need them, here are the completed answers for the Week 3 Workalong notebook.

```
In []: import pandas
#We `import as plt` just like we did with Pandas to make it so we have to type
less
import matplotlib.pyplot as plt
%matplotlib inline

In []: sci_hub_data = pandas.read_csv("https://raw.githubusercontent.com/elibtronic/lj
a_datasets/master/week_3_sci_hub_worksheet.csv")
```

Question 1

Can you **describe** the dataframe?

```
In [ ]: sci_hub_data.describe()
```

Question 2

How many unique publishers are in this dataset? (Hint: each unique prefix will indicate another Publisher in this data)

```
In [ ]: # How mandy unique publishers are in the data?
sci_hub_data["doi_prefix"].nunique()
```

Question 3

How many unique users are in this dataset?

```
In [ ]: # unique users
sci_hub_data["user_id"].nunique()
```

Question 4

See if you can now replicate this for the Montreal data in the next cell. You just need to modify lines 6 & 8

Question 5

Let's try making a histogram for downloads per person in Montreal. Most of the code is written for you already. You just need to fill in lines: 7,9,12,13,16