

**DHcode.org**

**Tip sheets**

# Objectives

**1**

asdf

**2**

asdf

**3**

asdf

# Our roadmap



## Python demo

Let's take a look at a completed project to provide some context.



## Let's unpack

Next, let's take a look at some Python concepts and syntax.



## Code review

Let's comb through the code line by line to see how it works.



## Repack it

Now, let's put it all back together with a REAL research study.



# Project demo

Let's take a look at a completed project, then we'll deconstruct it.

Click here to snag  
the Jupyter  
Notebook

1

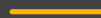
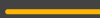
2

3

4

# Let's unpack

Next, let's take a look at some Python concepts and syntax to get us ready to tackle the refugee research project.



# Topic

## Subhed

- asdf
- asdf

`var = "value"`

`var = "immigrant"`

`ref = data.count("refugee")`

## Subhed

- asdf
- asdf

`num = 7.501`

`7.501 = num` ← nope

## Subhed

- asdf

`twitter_user = "@why"`

`twitterUser = "@why"`

# Topic

- asdf

```
“asylum”
```

```
“seeker”
```

```
print(“asylum” + “ ” + “seeker”)
```

```
asylum seeker
```

- asdf

```
str1 = “asylum”
```

```
str2 = “seeker”
```

```
str3 = “application”
```

```
print(str1 + “ ” + str2)
```

```
asylum seeker
```

# Topic

- asdf

```
ref = data.str.count("refugee").sum()  
print("The total number of refugees is: " +  
str(ref))
```

The total number of refugees is: 706

```
print("There are " + str(ref) + " refugees in  
this dataset")
```

There are 706 refugees in this dataset



# Code review

Let's comb through the code line by line to see how it works.



Paste narrated Jupyter screencast here

# Repack it

Now, let's put it all back together to see how we can use these just a few Python concepts to analyze the text-based research data



# Refugee study

Topic

**Subtopic:** asdf

**Subtopic:** asdf

**Subtopic:** asdf

Topic

**Subtopic:** asdf

**Subtopic:** asdf

Topic

**Subtopic:** asdf

# Next up

Check out the quick start tutorial series!

- Jupyter Notebook
- Python basics
- Python data structures
- Python control flow
- Pandas library
- Debugging tips
- Chunking big data
- Text analysis pre-processing
- Basic NLP text analysis
- Automated big data coding

## Credits

Developed and narrated by Wendy Norris, CU Boulder, Information Science PhD student  
Opening and closing music tracks: "Feeling Sunny" by [ScottHolmesMusic.com](https://scottholmesmusic.com). CC BY-NC 3.0 US