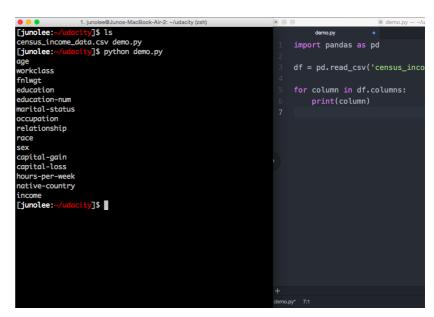


## **Scripting Your Analysis**

Being able to write and run scripts is invaluable for programming tasks and proj

Scripting Your Analysis

You can write your code in a text editor and then run the file in your terminal. H printing column names from the census income dataset. If you save your file as shown on the right, you can run it as shown on the left. Make sure you are in the saved this file in!



Running a basic Python script

Ideally, you'd group your analysis into functions and run them in your main func organize your code and generalize if possible.

```
y]$ python demo.py
age
workclass
                                                                       import pandas as pd
fnlwgt
education
marital-status
                                                                            df = pd.read csv('census
                                                                            return df
relationship
race
                                                                       def print_columns(df):
capital-gain
capital-loss
                                                                            for column in df.columns:
hours-per-week
                                                                                print(column)
[junolee:~/u
                 ty]$
                                                                            df = load_data()
```

Functions help organize code

The script below creates a double histogram of ages for people with lower and h