

In this case study, we will continue taking a look at patterns of flight for each of the three birds in our dataset. We will group the flight patterns by bird and date, and plot the mean altitude for these groupings.

In order to do the homework, you should start by reading in the data using the following code:

```
import pandas as pd
import numpy as np
birddata = pd.read_csv("https://courses.edx.org/asset-
v1:HarvardX+PH526x+2T2019+type@asset+block@bird_tracking.csv",
index_col=0)
birddata.head()
```

You can download the [Jupyter Notebook for Case Study 5 at this link](#). The bird tracking data can be found at [this link within the courseware](#) and [at this link from anywhere](#).