M1-03: Python for Data Science: An Introduction to DataFrames

Part of the "Basics of Data Science with aPython" Learning Badge

Video Walkthrough: *https://discovery.cs.illinois.edu/m1-03/*

Puzzle #1: "Perception of People at a Party"

The collection of everyone who has taken our "Perception of People at a Party" survey, *including your result*, is at https://waf.cs.illinois.edu/discovery/party-full.csv. A dataset of the first 56 responses is provided as a separate dataset so we all get the same results:

	Several	A Few	Many	A Couple	Dozens	Some	Scores Of
0	5	5	10	4	12	15	25
1	5	3	12	2	24	4	35
2	5	4	15	2	30	10	50
3	5	3	10	2	24	6	30
4	4	3	20	2	36	12	200
...							

Dataset URL: https://waf.cs.illinois.edu/discovery/party.csv

In the above table:

- Every column (ex: "Several", "A Few", etc) is a(n) _____.
- Every row (ex: 0, 1, 2, etc) is a(n) _____.
- Looking at just first row (row index 0), we know that the same person felt that:
  - *"**Several** people attended the party"* was interpreted as **5** people,
  - *"**A few** people attended the party"* was interpreted as **5** people,
  - *"**Many** people attended the party"* was interpreted as **10** people,
  - *"**A couple** of people attended the party"* was interpreted as **4** people,
  - *"**Dozens** of people attended the party"* was interpreted as **12** people,
  - *"**Some** people attended the party"* was interpreted as **15** people,
  - *"**Scores of** people attended the party"* was interpreted as **25** people.

Puzzle #2: What is the **complete** Python code that needs to be written to load and display the dataset within a DataFrame using pandas?

```
1
2
3
4
5
```