**Week 3 Exercise: Data Wrangling**

**Files to submit to LEO:**

* This document (with completed Part 1 Responses section and Part 3 Output)
* Functions.py (with code for Parts 1 and 2)
* temp\_analyzer.py (with all code for Part 3)

**Part 1 Responses:**

1. Is the concept of a function clear to you? If not, what do you not understand?

Yes, a function is used to group specific functionality that can be easily reused. This helps with code clarity and it makes the code easier to modify.

1. What are the benefits of using functions in your script?

Organization of the functionality and reusability. In addition to this, using docstring for each module allows other users to reuse the functions easily.

1. Does it matter in which order the functions are written in a script? If you think it does, why?

For this project it does matter. Since we are working with a python scripts that does not have python classes, the functions have to be declared before they are called. The reason for this is that since python is a interpreted language if the functions are called before they having declare, Python interpreter does not know of its existence.

**Part 3 Output (either cut and paste the text of your Output of the 4 tempClasses or paste a ‘snip’ image here):**

|  |
| --- |
| Count for Cold temperature, class 0: 137  Count for Slippery temperature, class 1: 85  Count for Comfortable temperature, class 2: 114  Count for Warm temperature, class 3: 0 |