MyGivenName MySurname

DAT-119: Python 1

Spring 2020

# Project Plan

## Overview

Overview of what this program does, in human language, e.g. “This program will analyze the City of Pittsburgh Department of Public Works Forestry Division’s tree data, as downloaded from the Western Pennsylvania Regional Data Center. I’ll remove some of the columns from the CSV file before I do my analysis in Python. I intend to find out …”

**Everything under the headings below is just a possible example.** You are in no way constrained by anything I’ve typed here. I’m just giving you a template so that you have something to start from, OK?

## Inputs

* CSV file with 5 columns (these are just examples)
* User input of an integer
* Constants set by programmer

## Outputs

* File with statistical information – mean, median, mode, variance
* File with transformed data
* Table output to console

## Steps the program needs to take

1. Open the file
2. Read in the information
3. Loop through…
4. Check if…

## Functions I expect to need

* get\_and\_validate\_user\_input(a\_list) – takes a list as a parameter, gets user input that’s within the bounds of the list, returns the index of the item that goes with their choice
* pretty\_print(a\_list) – takes a list as a parameter, prints the list, returns nothing
* play\_game() – takes no parameters, loops through as many rounds as it takes for the game to end, returns True or False to indicate whether or not the user won