Lab #4

Instructions

With lab #4, your group will write a python program that allows you to practice using Pandas module for accessing and manipulating data.

Submission Requirements

- Python .py file with no markdown language. Only Python Code and comments.
- Group Assignment: Only 1 assignment needs to be submitted for each group.
- You should seek to reduce redundancy in your code.
- Your code should exercise good judgment for displaying output to the user.

Task

- File: http://drd.ba.ttu.edu/isqs3358/Labs/lab4/rando.csv
- Once the file is imported report the following items. (Nicely format these to the command line, i.e. label, print nicely, etc)
  - Which column has the highest Average, STD.
  - Which column(s) has the smallest Average, STD
  - What is the correlation between all the columns
    - Which columns are negatively correlated, which columns are positively correlated?
  - Render a scatter plot matrix
    - What stands out to you in this plot?
  - Write only variables (var2, var4, and var6) to a csv using pipe "|" delimiting. Be sure to use proper variables for the output path.
- For textual based questions, just print them to the console.

Notes and Hints

- Be sure your import of the source file is valid and you have the correct delimiter.