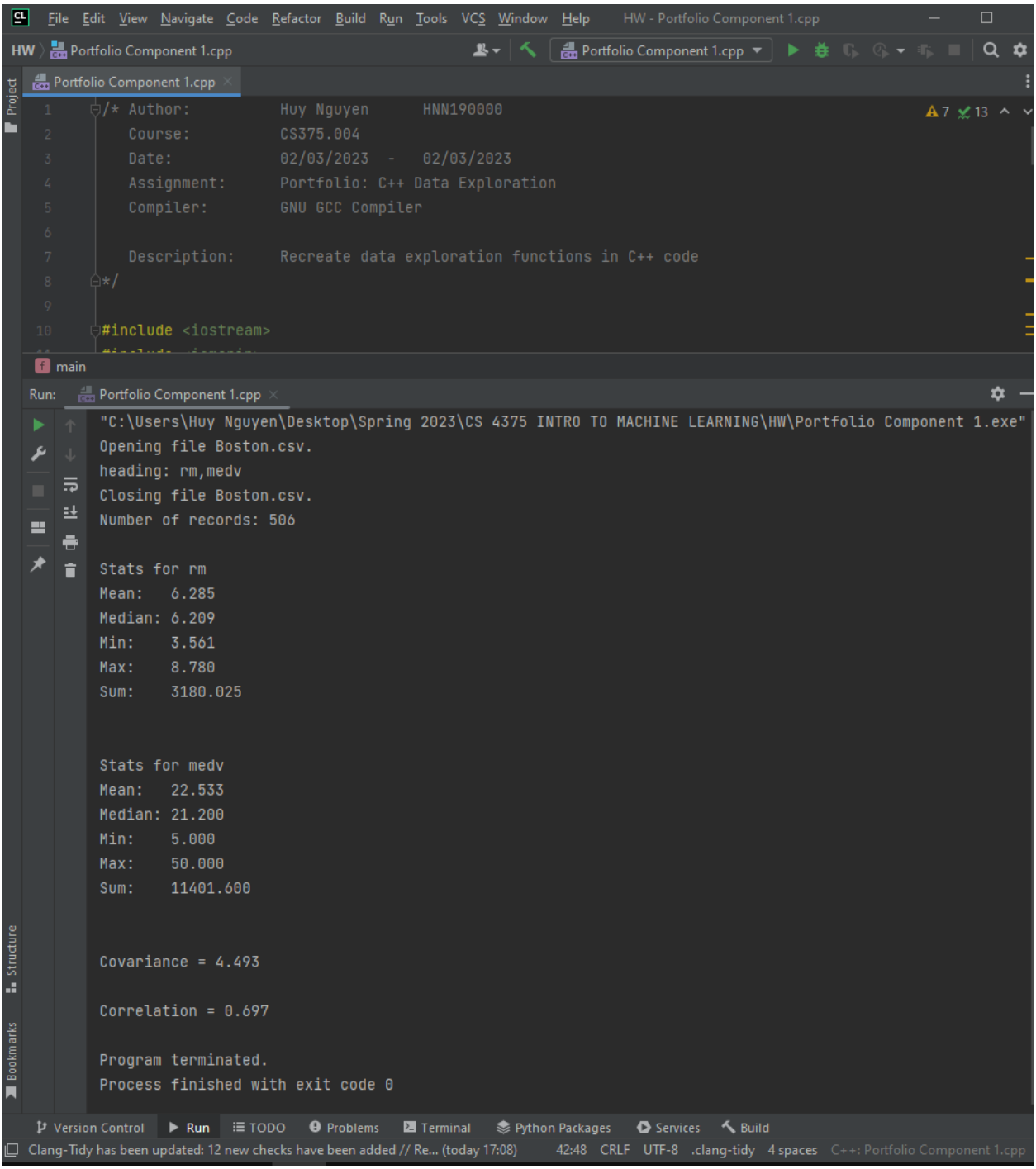
Huy Nguyen
HNN190000
CS 4375.004
Portfolio Component 1: Data Exploration

a. copy/paste runs of your code showing the output.



Huy Nguyen
HNN190000
CS 4375.004
Portfolio Component 1: Data Exploration

b. describing your experience using built-in functions in R versus coding your own functions in C++

In R studio, all I need to do was load the csv and run summary, cor, cov functions. Creating my own functions is much longer and tedious. I spent more time formatting the print statements than actually coding the sum, mean, median, and range. I had to take some time to refer to the textbook to refresh on the formula for covariance and correlation.

c. describes the descriptive statistical measures mean, median, and range, and how these values might be useful in data exploration prior to machine learning

Mean is the average of the data set. Median is the middle of the data. Range shows bounds of the data.

d. describes the covariance and correlation statistics, and what information they give about two attributes. How might this information be useful in machine learning?

Correlation is how closely related the data with another. Covariance is how much of a correlation there is between the data. This can be used to find trends to help predict future values.