DS 623 PE08

You will find a simpler PE in module 8 as this is a Thanksgiving weekend.
Suppose you are given a dataframe as a user input. It consists of three columns, where each column represents a variable such as height, weight, or age. Provide a code that generates summary statistics of the dataframe.
*Note you must calculate summary statistics using a formula instead of using a built-in function (i.e., df.mean() or df.var()).

Input
- a dataframe that consists of three columns containing numeric values.

Output
- Mean and variance of height:
- Mean and variance of weight:
- Mean and variance of age:

(Optional)
Calculate a 3x3 covariance matrix where each diagonal element represents a variance and off-diagonal element represents a covariance.