

Week 1 - Pod - Submission

Question 1

Given the following data

x	2	3	5	6	1	9	10	15
y	1	4	6	4	4	3	20	25

- Calculate the mean, standard deviation, and variance of x
 - Calculate the correlation of x and y
 - Run a linear model when regressing y on x .
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Question 2*

Given the following data

x	2	3	5	6	1
y	1	4	6	4	4

- Calculate the mean, standard deviation, and variance of x
 - Calculate the correlation of x and y
 - Run a linear model when regressing y on x .
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Question 3

- Import in R the `Automobile UK Collision Claims` dataset at
 - Collision Claims or Alternative Link
 - Use the `View` function to view the data
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Question 4

Run linear regression to regress the `Claim_Count` on the `Severity`. Give the summary of the model.

Question 5*

In this question, we will use the `Automobile Insurance Claims` dataset at the below link:

`Automobile Insurance Claims`

- a. Import the following dataset into Rstudio.
 - b. View the dataset.
 - c. Run linear model to regress `PAID` on `AGE`. Report the summary of this model.
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