Assignment 2

Introduction to Artificial Intelligence

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Exercise 1

In the Graph 1, The data is a bit scattered as both the random and noise distribution is used while in graph 2 the data is distorted because of the random and in graph 3 the noise distribution the data is in compressed uniform linear motion.

Graph1

Chart, scatter chart

Description automatically generated

Graph 2

Graph Chart, scatter chart

Description automatically generated3

Chart, scatter chart

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

Exercise 2

In the first half of the exercise, data is imported and with some changes, the graphs are plotted. In the second half linear regression is used to calculate the coefficient of data two times. First without a record and second with a record column. The difference is the coefficient of correlation.

A picture containing diagram

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A picture containing diagram

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A screenshot of a computer

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