How often do you exerc	How much amount of ti	OUTLIERS	
3	1	0.05	-0.63
0	1	-2.43	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
5	1	1.70	-0.63
0	1	-2.43	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
3	2	0.05	1.54
3	1	0.05	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
3	2	0.05	1.54
3	1	0.05	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
3	2	0.05	1.54
3	1	0.05	-0.63
3	2	0.05	1.54
3	2	0.05	1.54
3	2	0.05	1.54
0	1	-2.43	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
5	1	1.70	-0.63
3	1	0.05	-0.63
3	2	0.05	1.54
3	1	0.05	-0.63
3	1	0.05	-0.63
3	1	0.05	-0.63
5	1	1.70	-0.63
3	2	0.05	1.54
3	2	0.05	1.54
0	1	-2.43	-0.63
3	1	0.05	-0.63
5	2	1.70	1.54
3	2	0.05	1.54
0	1	-2.43	-0.63
5	2	1.70	1.54
3	1	0.05	-0.63
5	2	1.70	1.54
3	2	0.05	1.54
3	1	0.05	-0.63
3	1	0.05	-0.63

Exercise			Sleep	
Mean		2.94	Mean	1.29
STD		1.21	STD	0.46

Relationship between Exercise and sleep

$R^2 = 0.0693$

Sleep vs Exercise scatter plot
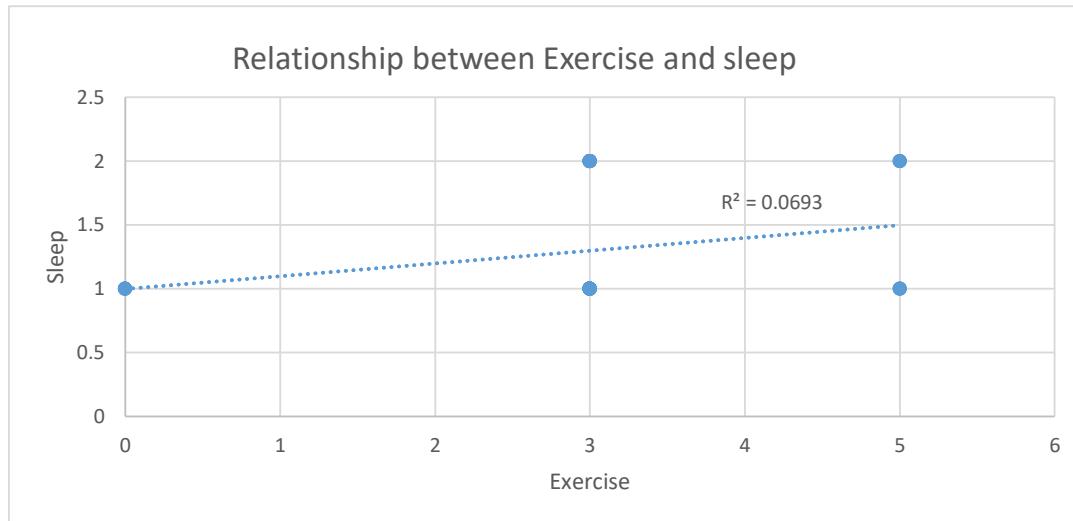
	CHECK	
Sxy	0.15	0.15
Sx	1.21	
Sy	0.46	
r	0.26	0.26

1. I want to know if there is a relationship between exercise and the amount of time a person lies down in bed before being able to fall asleep. On the data gathered, I have asked how much time do they spend exercising in a week and how much time approximately do they spend lying in bed before falling asleep.

2. No outliers are found.

4. As shown in the scattered diagram, the data is scattered everywhere showing no relationship with the two variables. Additionally, the result of the correlation coefficient is near zero which justifies that there is no relationship among the two.

5. In conclusion, there is no relationship with the number of exercise a person does in a week and the amount of time a person spends lying down in bed before falling asleep.

x - xbar	y - ybar	(x - xbar)(y - ybar)	(x - xbar)^2	(y - ybar)^2
0.1	-0.29	-0.02	0.00	0.09
-2.9	-0.29	0.86	8.63	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
2.1	-0.29	-0.60	4.25	0.09
-2.9	-0.29	0.86	8.63	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	0.71	0.04	0.00	0.50
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	0.71	0.04	0.00	0.50
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	0.71	0.04	0.00	0.50
0.1	-0.29	-0.02	0.00	0.09
0.1	0.71	0.04	0.00	0.50
0.1	0.71	0.04	0.00	0.50
0.1	0.71	0.04	0.00	0.50
-2.9	-0.29	0.86	8.63	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
2.1	-0.29	-0.60	4.25	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	0.71	0.04	0.00	0.50
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09
2.1	-0.29	-0.60	4.25	0.09
0.1	0.71	0.04	0.00	0.50
0.1	0.71	0.04	0.00	0.50
-2.9	-0.29	0.86	8.63	0.09
0.1	-0.29	-0.02	0.00	0.09
2.1	0.71	1.46	4.25	0.50
0.1	0.71	0.04	0.00	0.50
-2.9	-0.29	0.86	8.63	0.09
2.1	0.71	1.46	4.25	0.50
0.1	-0.29	-0.02	0.00	0.09
2.1	0.71	1.46	4.25	0.50
0.1	0.71	0.04	0.00	0.50
0.1	-0.29	-0.02	0.00	0.09
0.1	-0.29	-0.02	0.00	0.09