**Quiz 1**

|  |  |  |
| --- | --- | --- |
| STAT 328  | Academic year 1441 H  | Send you answer before 14/6/1441 -9:00PM |
| Statistical Methods |  Second Semester | By E-mail for: wemam.c@ksu.edu.sa |

|  |  |  |
| --- | --- | --- |
| **Student’s Name** |  | **اسم الطالب** |
| **ID number** |  | **الرقم الجامعي** |
| **Section No.** |  | **رقم الشعبة** |

Write Excel commands with the results to calculate the following:

**Question 1**

The following data represents sample of size **5** student in the final exam of stat1 and stat2:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  Student | 1 | 2 | 3 | 4 | 5 |
| stat1 | 75 | 82 | 90 | 88 | 93 |
| stat2 | 90 | 84 | 92 | 81 | 75 |

Write a descriptive statistics report about the data showing, the mean, variance, covariance and the sum of stat1 and stat2.

**Question 2**

Let



Find:

1. 
2. The determinant of 
3. The inverse of 

**Question 3**

(1) Find when 

(2)

(3)with 6 degree of

 freedom.

(4) 

(5) 

(6) 

(7) 

(8) 

(11) Find when