**Project Stat 328**

Due date: 16/ 4/ 2020 (Time 11:30 pm)

Part (A): Excel

Inserts 10 mathematical and 10 statistical functions in the following tables

1. **Mathematical functions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Function** | **syntax** | **Description** | **Examples** |
| Example | combin | combin(n;x) | Calculate the binomial coefficients | combin(5;3)=10 |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |

1. **Statistical functions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Function** | **syntax** | **Description** | **Examples** |
| Example | Average | average(a1; a2; … an) | Calculate the mean of a1, a2, ….an | AVERAGE(1,8,9,2)=5 |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |

**Part (B): R**

Design R codes to generate the following statistical tables

1. Standard normal table
2. Poisson table

**Remark:**

Some examples are given below



