Aliza Tariq
(2023-ag-10041)
4th Semester
BSCS (E3)
Stat-402

Minitab Project Report

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Welcome to Minitab, press F1 for help.

Q#1: a)Cumulative Distribution Function

Exponential with mean = 30

```
 x  P( X ≤ x )
10   0.283469
```

Data Display

K3   0.117020

Q#2: Data Display

```
K5    0
```

Q#3: Cumulative Distribution Function

Exponential with mean = 0.2

```
x  P( X ≤ x )
4    1.00000
```

Q#4: Data Display

```
K7    0.201431
```

Q#5: a) Data Display

```
K8    50000.0
```

b) Data Display

```
K10    0.676676
```

Q#6: a)Data Display

```
K11    10.0000
```

b) Data Display

```
K13    0.440493
```

c)Data Display

```
K14    0.108822
```

Q#7: Data Display

```
K16    0.815263
```

Q#8: a)Data Display

```
K17    92.5926
```

b)Data Display
```
K18    0.366542
```

Q#9:a) Cumulative Distribution Function

```
Normal with mean = 4 and standard deviation = 2

x   P( X ≤ x )
4        0.5
```

b) Data Display

```
K20    0.691462
```

c)Data Display

```
K21    0.691462
```

d)Data Display

```
K25    0.382925
```

Q#10:a)Data Display

```
K26    0.000003398
```

b)Data Display

```
K27    0.344578
```

c)Data Display

```
K30    0.682689
```

Q#11: a)Cumulative Distribution Function

```
Normal with mean = 0.25 and standard deviation = 0.02

   x  P( X ≤ x )
0.02   0.0000000
```

b)Data Display

```
K32    0.0668072
```

Q#13: Data Display

```
K33    0.674300
```

Data Display

```
K35    0.158655
```

Data Display

```
K36    15.8655
```

Q#14: Data Display

```
K38    0.00620967
```

Data Display

```
K39    31.0483
```

Q#15:a) Data Display

```
K41    0.00620967
```

Data Display

```
K42    6.79958
```

b)Cumulative Distribution Function

```
Normal with mean = 12 and standard deviation = 2

 x   P( X ≤ x )
10    0.158655
```

Data Display

```
K43    173.667
```

c)Data Display

```
K46    -0.624655
```

Data Display

```
K47    684.047
```

d) Data Display

```
K49    0.500000
```

Data Display

```
K50    547.500
```

Q#16: Data Display

```
K51      0.000981000
```

Q#17: Data Display

```
K52      0.0333700
```

Q#18: Data Display

```
K53      0.0613000
```

Q#19: Data Display

```
K54      0.103200
```

Q#20: Data Display

```
K55      0.366000
```

Q#21: Data Display

```
K56      0.935000
```

Q#22: Data Display

```
K57      0.180000
```

Q#23: Data Display

```
K58      0.00673700
```

Q#24: Data Display

```
K59      0.174500
```

Q#25: Data Display

```
K60      0.776000
```

Q#26: Data Display

```
K61      0.632000
```

Q#27: Data Display

```
K62    0.919600
```

Q#28: Data Display

```
K63    0.352700
```

Q#29: Data Display

```
K64    0.682680
```

Q#30: Data Display

```
K65    0.158660
```

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