**STA301 ASSIGNMENT 1 SOLUTION SPRING 2021**

**Provided by VU Answer**

**Question 01:**

By using the following frequency distribution of weight distribution of 120 students at virtual university find.

1. Mean Deviation from Mean
2. Co-efficient of Mean Deviation from Mean

**SOLUTION:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Weights(kg)** | **Lower class** | **Upper class** | **Frequncy**  **(f)** | **Mid**  **Values(x)** |  |  |  |  |
| 45-49 | 45 | 49 | 1 | 47 | 47 | -20.83 | 20.83 | 20.83 |
| 50-54 | 50 | 54 | 4 | 52 | 208 | -15.83 | 15.83 | 63.32 |
| 55-59 | 55 | 59 | 17 | 57 | 969 | -10.83 | 10.83 | 184.11 |
| 60-64 | 60 | 64 | 28 | 62 | 1736 | -5.83 | 5.83 | 163.24 |
| 65-69 | 65 | 69 | 25 | 67 | 1675 | -0.83 | 0.83 | 20.75 |
| 70-74 | 70 | 74 | 18 | 72 | 1296 | 4.17 | 4.17 | 75.06 |
| 75-79 | 75 | 79 | 13 | 77 | 1001 | 9.17 | 9.17 | 119.21 |
| 80-84 | 80 | 84 | 6 | 82 | 492 | 14.17 | 14.17 | 85.02 |
| 85-89 | 85 | 89 | 5 | 87 | 435 | 19.17 | 19.17 | 95.85 |
| 90-94 | 90 | 94 | 2 | 92 | 184 | 24.17 | 24.17 | 48.34 |
| 95-99 | 95 | 99 | 1 | 97 | 97 | 29.17 | 29.17 | 29.17 |
|  |  |  | 120 | 792 | 8140 |  |  | =904.9 |

**Mean:**



1. **Mean Deviation from Mean:**



1. **Co-efficient of Mean Deviation from Mean:**



**REGARD Discord Hub**

**WHATSAPP +923157951644**

**PLEASE NOTE:**

**Don't copy-paste the same answer.**

**Make sure you can make some changes to your solution file before submitting copy paste solution will be marked zero.**

**If you found any mistake then correct yourself and inform me.**

**Before submitting an assignment check your assignment requirement file.**

**If you need some help and question about file and solution.**