1. In milk filling plant, four machines are filling milk in the cans to a level of 12.0 liters; random samples of the cans from each of the four machines were taken. Compare the 4 different machines with respect to mean level of filling.

|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | D |
| 11.95 | 12.6 | 11.9 | 12.1 |
| 12.05 | 12.09 | 11.95 | 12.15 |
| 12.1 | 12.12 | 11.92 | 12.05 |
| 12.3 | 11.95 | 11.85 |  |
|  | 12.05 | 11.88 |  |

1. Four batches of paneer were prepared by taking three levels of fat content of milk. Moisture content of the samples were recorded. Test for the significant difference between batches of paneer and levels of fat content of milk.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | batch | | | | |
| fat level |  | **1** | **2** | **3** | **4** |
| **1** | 66.8 | 68.12 | 67 | 64 |
| **2** | 77.9 | 78.7 | 77.1 | 76.2 |
| **3** | 71.7 | 71.8 | 71.8 | 71 |