**TUGAS PERTEMUAN 9**

**STATISTIKA DAN PROBABILITAS**

**KEMIRINGAN & KERUNCINGAN DISTRIBUSI DATA**



**Disusun oleh:**

**Rama Pramudya Wibisana 2022320019**

**PROGRAM STUDI SISTEM INFORMASI**

**FAKULTAS INFORMATIKA**

**UNIVERSITAS BINA INSANI**

**BEKASI**

**2022**

**SOAL**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 38 | 67 | 85 | 95 | 96 | 76 | 125 | 150 | 158 | 120 |
| 38 | 36 | 47 | 49 | 89 | 70 | 120 | 80 | 85 | 93 |

Hitung kemiringan distribusi data dan keruncingan distribusi data!

**PENYELESAIAN :**

* **Kemiringan Data (Bowley)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 36 | 38 | 38 | 47 | 49 | 67 | 70 | 76 | 80 | 85 |
| 85 | 89 | 93 | 95 | 96 | 120 | 120 | 125 | 150 | 158 |

**Kuartil 2**

**Kuartil 3**

**Kuartil 1**

* **Keruncingan Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| 36 | 85,85 | 49,85 | 2.485,02 | 6.175.336,82 |
| 38 | 85,85 | 47,85 | 2.289,62 | 5.242.371,19 |
| 38 | 85,85 | 47,85 | 2.289,62 | 5.242.371,19 |
| 47 | 85,85 | 38,85 | 1.509,32 | 2.278.054,40 |
| 49 | 85,85 | 36,85 | 1.357,92 | 1.843.953,51 |
| 67 | 85,85 | 18,85 | 355,32 | 126.254,07 |
| 70 | 85,85 | 15,85 | 251,22 | 63.112,74 |
| 76 | 85,85 | 9,85 | 97,02 | 9.413,36 |
| 80 | 85,85 | 5,85 | 34,22 | 1.171,17 |
| 85 | 85,85 | 0,85 | 0,72 | 0.52 |
| 85 | 85,85 | 0,85 | 0,72 | 0.52 |
| 89 | 85,85 | 3,15 | 9,92 | 98,45 |
| 93 | 85,85 | 7,15 | 51,12 | 2.613,51 |
| 95 | 85,85 | 9,15 | 83,72 | 7.009,45 |
| 96 | 85,85 | 10,15 | 103,72 | 10.613,63 |
| 120 | 85,85 | 34,15 | 1.166,22 | 1.360.074,91 |
| 120 | 85,85 | 34,15 | 1.166,22 | 1.360.074,91 |
| 125 | 85,85 | 39,15 | 1.153,72 | 2.349.238,26 |
| 150 | 85,85 | 64,15 | 4.155,22 | 16.935.056,22 |
| 158 | 85,85 | 72,15 | 5.205,62 | 27.098.505,61 |

**Standar Deviasi**

**Masukan rumus keruncingan**

**JAWABAN :**

* **Kemiringan Distribusi Data = 1,62**
* **Keruncingan Distribusi Data = 2,48**