

LATIHAN SOAL:

JANGKAUAN DAN SIMPANGAN KUARTIL

1. The Cambridge Power and Light Company selected a random sample of 20 residential customers. Following are the amounts, to the nearest dollar, the customers were charged for electrical service last month: 54, 48, 58, 50, 25, 47, 75, 46, 60, 70, 67, 68, 39, 35, 56, 66, 33, 62, 65, 67. Compute the range and the quartile deviation.
2. The Human Relations Director of Ford began a study of the overtime hours in the Inspection Department. A sample of 15 workers showed they worked the following number of overtime hours last month: 13, 13, 12, 15, 7, 15, 5, 12, 6, 7, 12, 10, 9, 13, 12. Compute the range and the quartile deviation.
3. The following is the percent change in net income from last year to this year for a sample of 12 construction companies in Denver: 5, 1, -10, -6, 5, 12, 7, 8, 2, 5, -1, 11. Compute the range and the quartile deviation.
4. Tabel berikut ini menunjukkan banyaknya buku referensi mata kuliah Statistika Sosial yang dimiliki 35 orang mahasiswa:

Banyaknya Buku Referensi	Banyaknya Mahasiswa
0	16
1	9
2	5
3	3
4	2

Hitunglah jangkauan dan simpangan kuartil banyaknya buku referensi Statistika Sosial yang dimiliki mahasiswa di kelas tersebut.

5. Berikut ini adalah data mengenai banyaknya kasus kekerasan terhadap wartawan yang terjadi dalam 12 bulan selama tahun 2015 di suatu daerah.

Banyaknya Kasus	Frekuensi
1	5
3	3
5	2
6	2
JUMLAH	12

Berapakah jangkauan dan simpangan kuartil banyaknya kasus per bulan di tahun tersebut?