x = c(15.9, 16.2, 16.0, 15.6, 16.2, 15.9, 16.0, 15.6, 15.6, 16.0, 16.2, 15.6, 15.9, 16.2, 15.6, 16.2, 15.8, 16, 15.8, 15.9, 16.2, 15.8, 15.8, 16.2, 16, 15.9, 16.2, 16, 15.6)

> summary(x)

Min. 1st Qu. Median Mean 3rd Qu. Max.

15.60 15.80 15.90 15.93 16.20 16.20

> length(x)

[1] 29

> x = c(15.9, 16.2, 16.0, 15.6, 16.2, 15.9, 16.0, 15.6, 15.6, 16.0, 16.2, 15.6, 15.9, 16.2, 15.6, 16.2, 15.8, 16, 15.8, 15.9, 16.2, 15.8, 15.8, 16.2, 16, 15.9, 16.2, 16.2, 16, 15.6)

> length(x)

[1] 30

> summary(x)

Min. 1st Qu. Median Mean 3rd Qu. Max.

15.60 15.80 15.95 15.94 16.20 16.20

> n = length(x)

> mean = mean(x)

> median = median(x)

> var = var(x)

> SD = sqrt(x)

> y = summary(x)

> QD = (y[5] - y[2]) / 2

> m4 = sum((x - mean) ^ 4) / n

> m2 = var(x)

> B2 = m4 / (m2 ^ 2)

> G2 = B2 - 3

> mean

[1] 15.93667

> median

[1] 15.95

> SD

[1] 3.987480 4.024922 4.000000 3.949684 4.024922 3.987480 4.000000 3.949684

[9] 3.949684 4.000000 4.024922 3.949684 3.987480 4.024922 3.949684 4.024922

[17] 3.974921 4.000000 3.974921 3.987480 4.024922 3.974921 3.974921 4.024922

[25] 4.000000 3.987480 4.024922 4.024922 4.000000 3.949684

> SD = sqrt(var)

> SD

[1] 0.2204749

> QD

3rd Qu.

0.2

> B2

[1] 1.719117

> G2

[1] -1.280883

> m3 = sum((x - mean)^3) / n

> B1 = m3^2 / m2^3

> B1

[1] 0.05232096