

```
> x0 <- c(352,352,278,270,266,214,214,206,614,614,605,604,604,603,600,298,295,294,294,285,285,285,  
285,285,255,253,217,735,725,725,722,716,312,286,286,286,276,276,264,264,255,233,212,205,200,186,  
178,174,171,164,126,91.6,84.9,82.4,70.7,58.5,56.9,52.3,46.8,735,735,735,735,734,734,734,733,732,7  
25,724,724,723,722,722,722,722,722,722,722,722,722,721,720,720,720,709,639,626,491,504,43  
7,440,406,392,317,312,286,284,286,286,286,286,286,286,284,276,276,276,275,275,275,264,262,240  
,240,232,226,207,212,207,205,189,199,185,189,186,186,183,182,170,175,163,167,166,164,149,127,39.3  
,130,131,130,130,127,127,124,110,99,99.1,99.5,99.5,95.4,90.3,90.8,90.3,91.2,79.5,734,733,722,722,  
721,720,504,312,312,286,287,286,285,286,285,285,285,285,285,244,200,197,197,183,180,174,126,99,90  
.8,82.4,696,694,683,683,301,301,289,284,267,256,256,230,245,243,226,208,208,202,202,156,117,115,8  
6.6,77.8,68.6,53.1,43.9,39.7,733,721,721,714,296,286,286,276,256,253,213,200,186,180,164,128,125,  
94.1,91.6,82.4,82.4,70.7,58.5,57.7,51,46.8,691,316,288,281,265,206,204,704,704,703,695,694,694,69  
3,693,691,477,309,288,288,281,277,278,260,222,200,166,121,99,91.2,71.1,51.9,45.6,734,729,729,722,  
714,675,297,309,287,287,284,276,257,253,232,212,186,179,177,174,164,124,91.2,82.8)  
> x1 <- c(82.8,79,70.7,58.5,56.9,52.3,46.8,735,730,729,722,716,298,308,287,287,284,276,258,253,23  
2,212,212,205,199,186,180,178,174,164,124,91.2,82.8,79.5,82.4,70.7,58.5,56.9,52.3,46.8,734,733,73  
2,723,721,721,721,503,313,286,285,287,276,233,216,213,205,197,164,125,99,91.2,70.7,57.3,51.9,46.8  
,696,684,684,684,684,683,683,300,300,289,289,285,279,278,259,258,259,254,207,206,184,182,182,165,  
51.4,703,702,694,693,692,691,476,309,289,289,289,289,282,279,261,251,232,205,199,175,165,122,99.5  
,91.2,69.4,53.9,51.9,45.6,733,733,731,723,721,720,720,502,307,288,286,286,276,233,210,200,193,183  
,170,164,129,99,91.2,82.4,70.7,56,51.4,46.8,281,248,248,203,189,173,169,157,156,151,134,123,90.3,  
89.5,406,387,387,387,387,386,386,348,347,347,347,347,346,230,230,230,230,226,225,219,219,202,  
176,49.8,198,167,149,146,131,130,125,119,119,118,118,104,103,102,404,402,403,402,403,394,394,394,  
394,394,244,222,228,229,229,229,217,217,199,202,201,201,174,172,163,151,153,151,151,136,127,124,1  
20,120,117,117,117,117,116,112,87.4,84.9,79.9,77.8,73.6,73.2,59.8,55.6,49.8,49.8,46.8,824,799,492  
,431,430,430,431,431,402,403,392,404,393,393,402,392,392,402,404,394,394,404,404,404,404,404,  
404,404,403,403,394,403,403,402,402,394,394,394,394,396,393,394,394,395,394,394,394,394)  
> x2 <- c(394,394,394,394,394,394,394,394,394,394,394,335,318,308,287,263,229,238,234,229,229,229,229  
,229,229,229,229,229,228,228,228,228,228,226,208,217,218,217,216,212,210,208,190,202,201,201,189,  
176,177,175,174,164,802,404,403,404,404,404,394,394,402,404,394,394,394,394,337,303,230,230,226,217,2  
17,217,217,217,217,216,200,176,176,163,163,151,151,138,124,120,120,120,120,120,117,117,117,117,11  
7,114,87,79,79,78.2,58.1,56,411,410,389,389,368,368,368,368,274,220,227,226,220,219,219,217,201,2  
01,174,174,160,161,161,140,138,85.3,80.7,127,121,119,119,117,108,105,102,88.3,88.3,83.2,80.3,81.1  
,75.3,75.3,61.9,64,50.6,47.2,43.9,41.8,39.7,404,402,402,404,394,394,394,394,348,244,225,229,229,2  
29,229,208,199,202,200,176,176,164,141,118,117,116,112,84.1,77.4,78.2,74.4,57.7,50.6,46,402,374,2  
31,218,217,202,177,165,154,120,120,117,89.9,82.4,776,402,402,402,403,402,402,402,401,374,374,374,  
375,375,374,373,374,374,332,313,233,228,227,224,217,216,216,202,177,162,157,135,119,118,115,115,1  
15,114,94.1,87.4,46,37.6,771,404,404,402,402,403,394,393,393,393,393,336,222,228,229,229,229,207,  
217,217,216,217,215,199,201,174,162,151,151,136,118,117,117,117,112,90.8,84.1,78.2,72.4,71.9,59.4  
,57.3,55.2,51.9,49.3,46.8,404,402,402,403,404,394,394,394,394,394,336,222,228)
```

```
> x3 <- c(229,229,229,208,217,217,216,217,215,199,201,201,174,174,162,151,151,151,136,118,117,117,
,117,112,91.2,87.4,84.1,78.2,77.8,72.4,73.6,71.9,59.8,57.7,55.6,51.9,49.8,46.8,796,404,402,403,40
3,403,402,392,393,393,393,393,393,393,337,318,236,230,230,222,218,217,216,201,200,174,164,151,137
,120,117,117,117,112,87.4,75.7,74,73.6,50.2,417,417,417,417,393,395,394,367,367,367,367,367,3
67,232,227,227,225,219,219,217,217,202,202,174,171,166,161,161,160,160,134,115,120,120,119,120,11
9,117,116,116,110,86.2,77,74,59.8,59.4,58.1,774,425,425,420,402,401,374,373,373,373,372,372,333,2
86,228,227,227,222,217,215,216,215,204,199,180,176,161,154,154,135,120,120,120,120,117,116,116,10
4,87.4,83.6,71.5,63.1,46.8,45.6,798,404,404,404,404,402,402,394,394,394,394,394,394,394,394,337,318,2
25,229,229,229,217,216,215,200,200,176,160,151,151,135,120,116,116,114,112,79,78.2,74,71.5,55.6,4
8.9,46.4,798,404,404,404,404,402,402,394,394,394,394,394,394,394,337,318,225,229,229,229,217,216,
215,200,200,176,160,151,151,135,120,116,116,114,112,79,78.2,74,71.5,55.6,48.9,46.4)
> x <- c(x0,x1,x2,x3)
> skewness(x, na.rm = FALSE, method = "fisher", l.moment.method = "unbiased",
+ plot.pos.cons = c(a = 0.35, b = 0))
[1] 1.192224
>
>
>
> kurtosis(x, na.rm = FALSE, method = "fisher", l.moment.method = "unbiased",
+ plot.pos.cons = c(a = 0.35, b = 0), excess = TRUE)
[1] 0.8694906
>
> shapiro.test(x)

      Shapiro-Wilk normality test

data:  x
W = 0.87111, p-value < 2.2e-16

> hist(x,main="Main",xlab="value",border="light blue",col="blue",las=1)
> qqPlot(x)
>
>
```