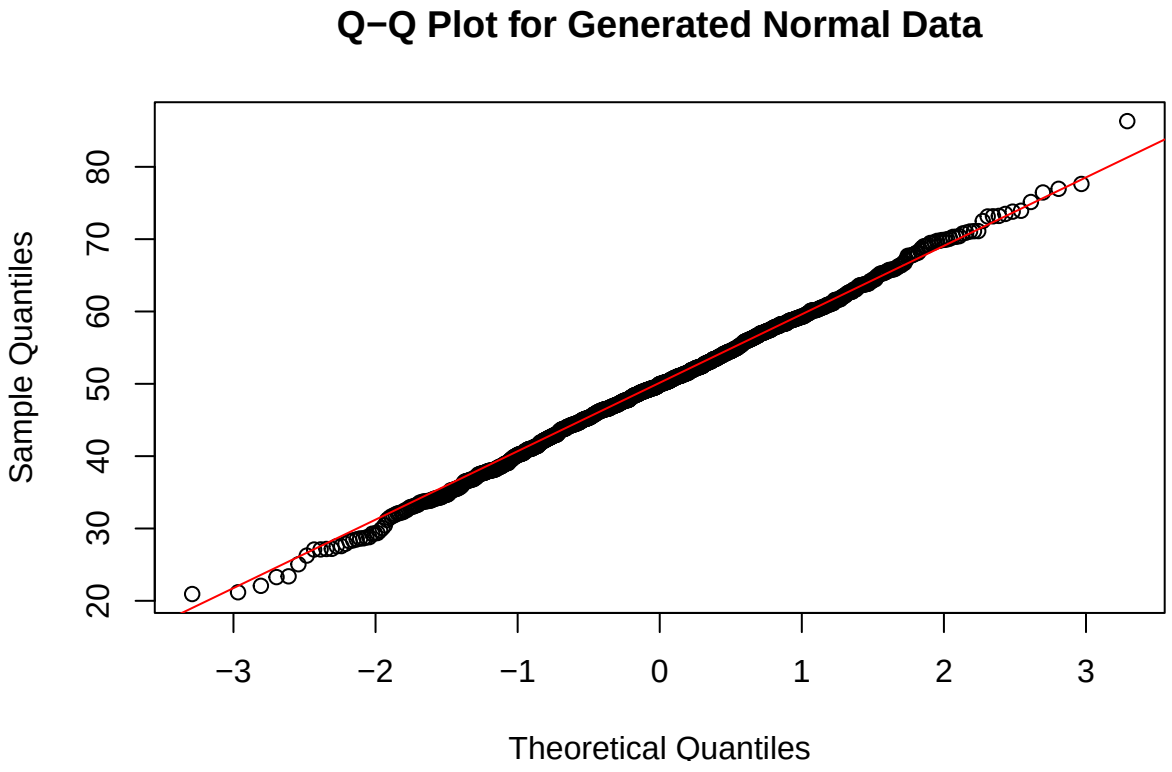
qq-test demo

your name

2024-10-15

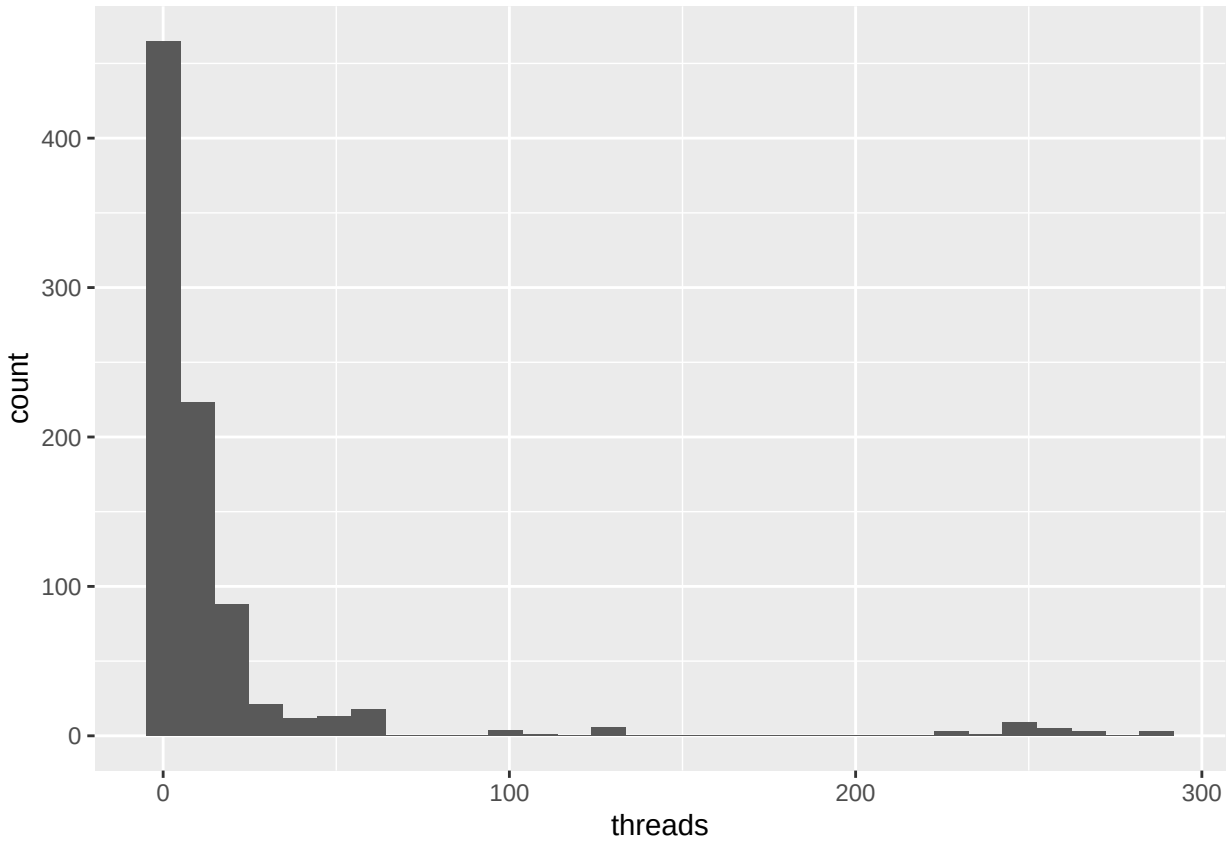
Load Packages

```
normal_data <- rnorm(n = 1000, mean = 50, sd = 10)
qqnorm(normal_data, main = "Q-Q Plot for Generated Normal Data")
qqline(normal_data, col = "red")
```

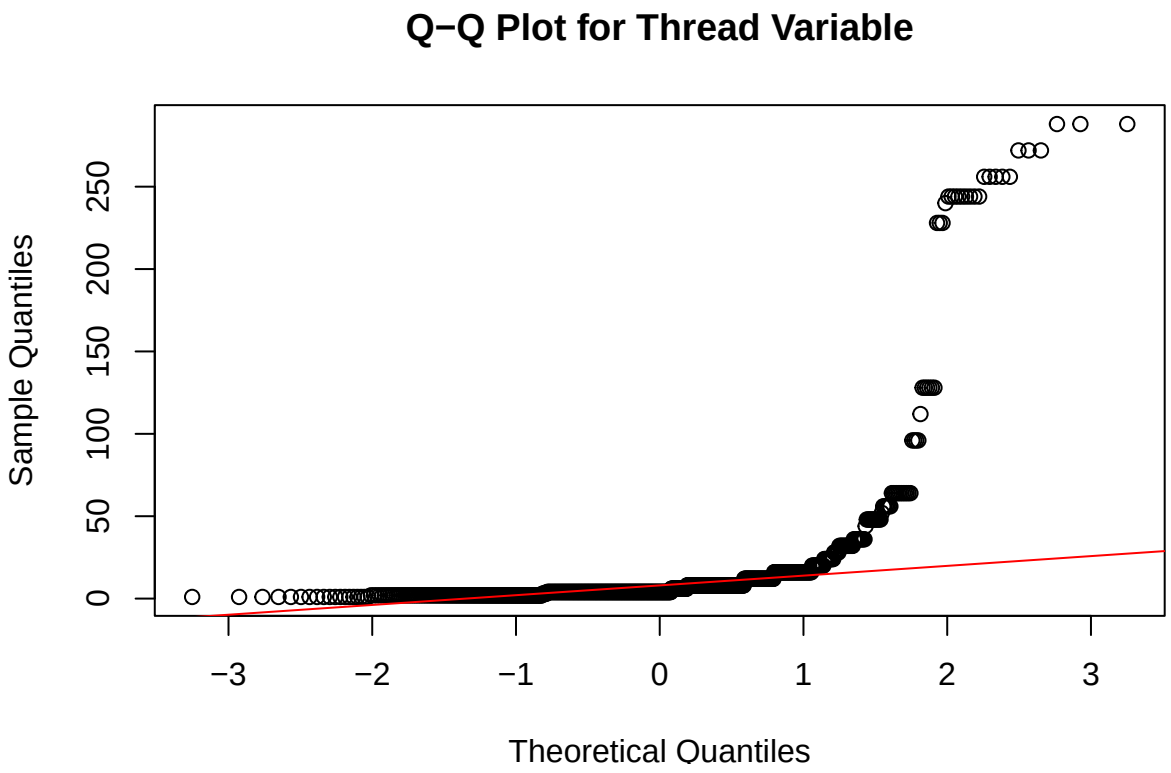



```
ggplot(data=cpu, aes(x=threads)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

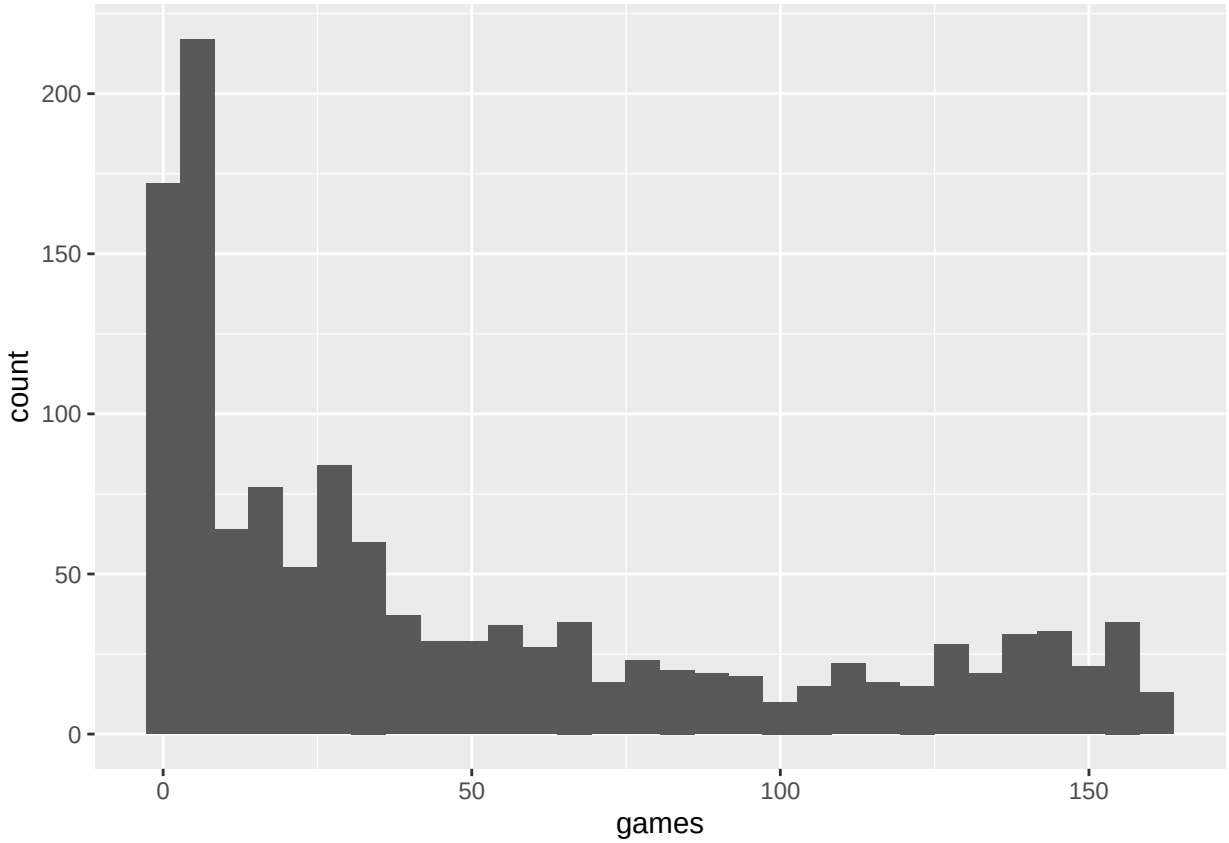



```
qqnorm(cpu$threads, main = "Q-Q Plot for Thread Variable")
qqline(cpu$threads, col = "red")
```

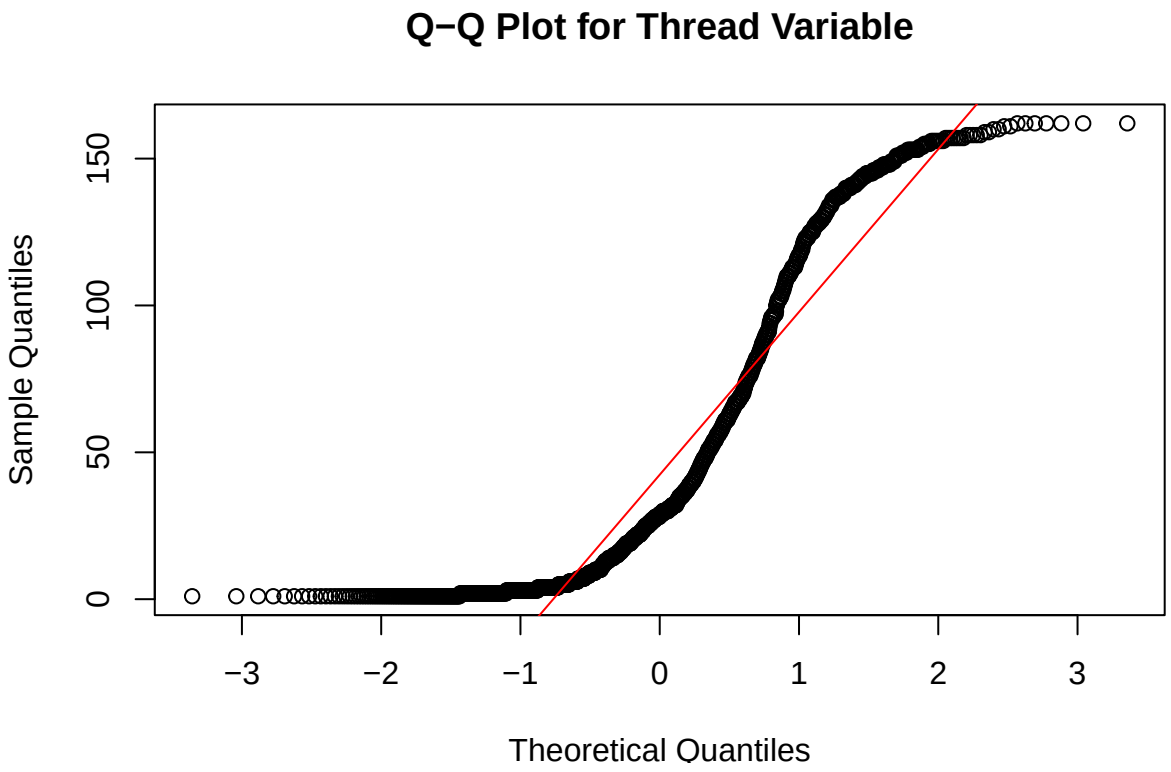


```
ggplot(data=mlb_players_18, aes(x=games)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



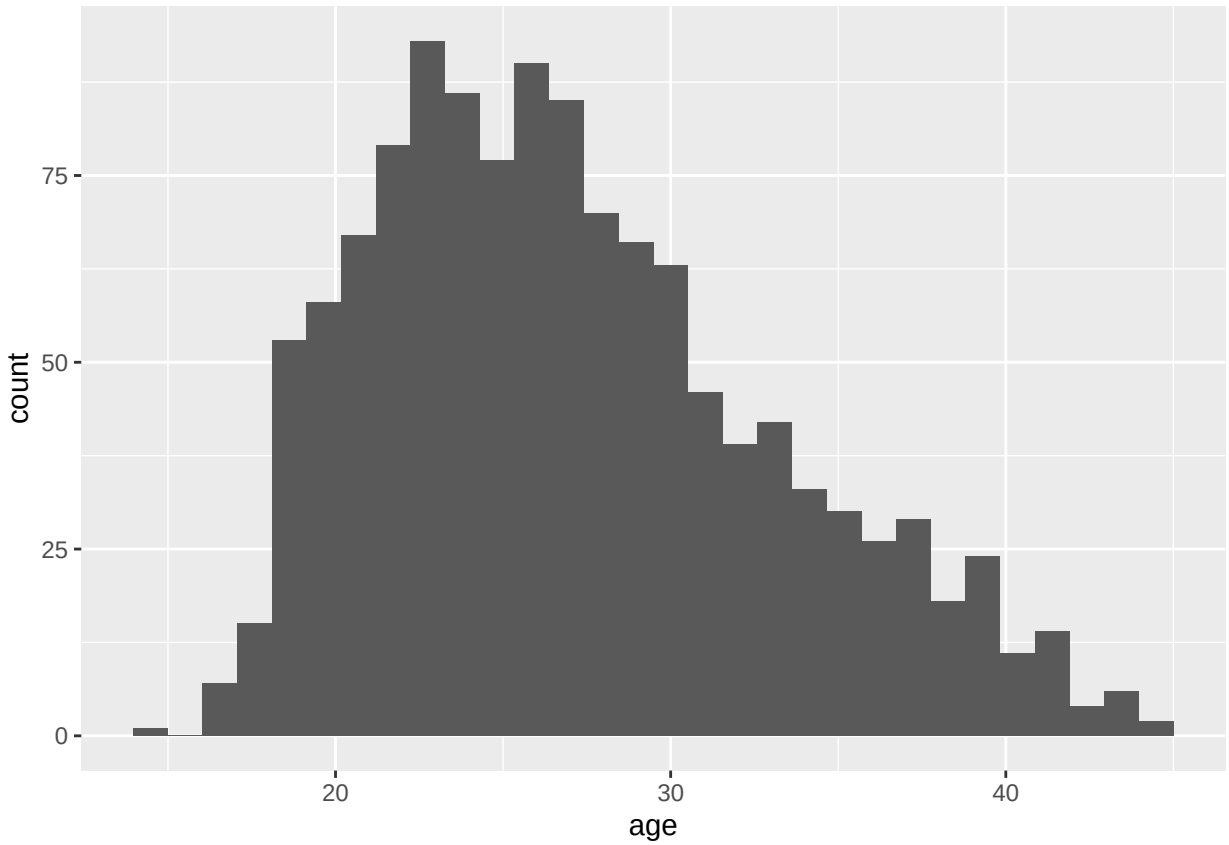

```
qqnorm(mlb_players_18$games, main = "Q-Q Plot for Thread Variable")
qqline(mlb_players_18$games, col = "red")
```



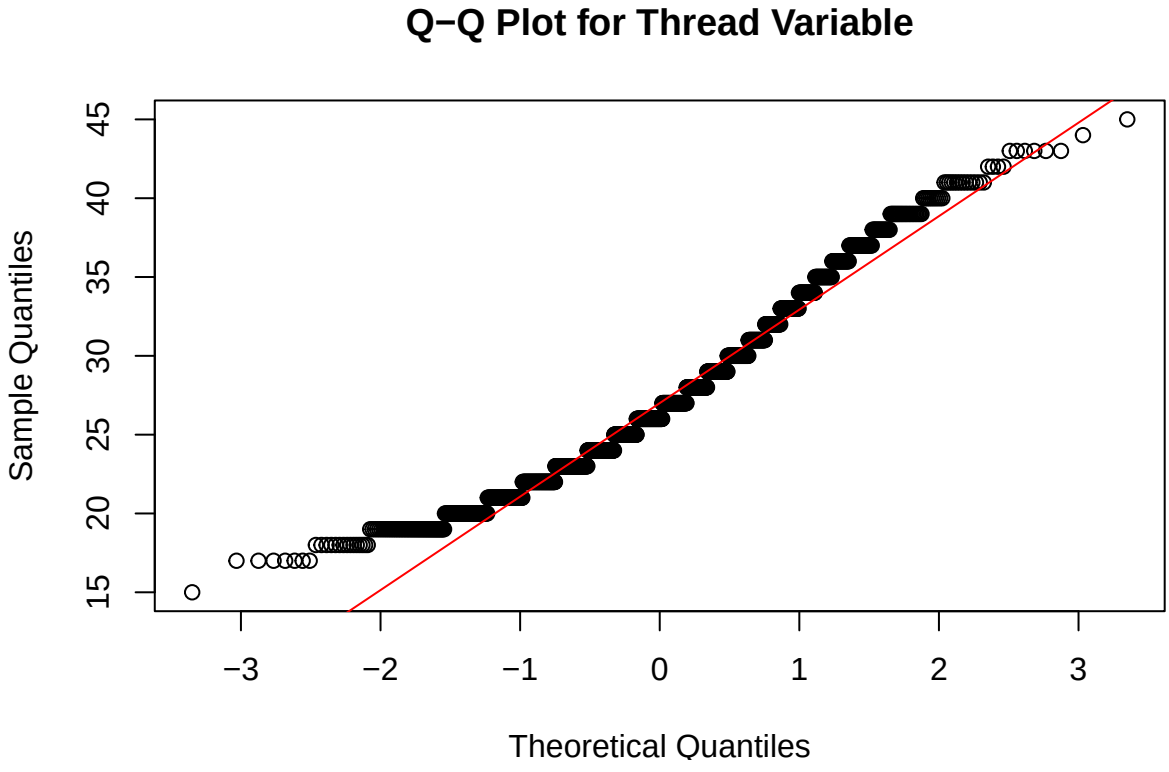

```
ggplot(data=babies, aes(x=age)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

```
## Warning: Removed 2 rows containing non-finite outside the scale range
## (`stat_bin()`).
```

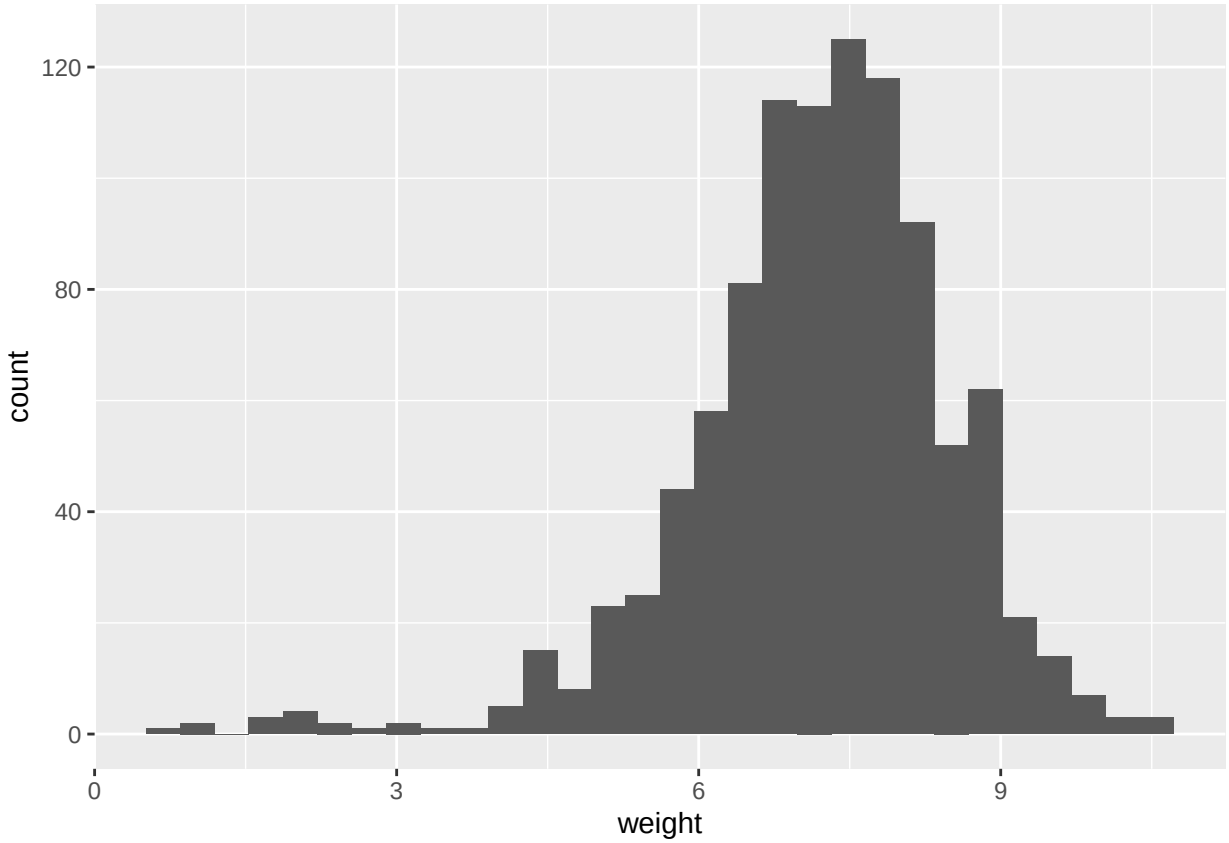



```
qqnorm(babies$age, main = "Q-Q Plot for Thread Variable")
qqline(babies$age, col = "red")
```

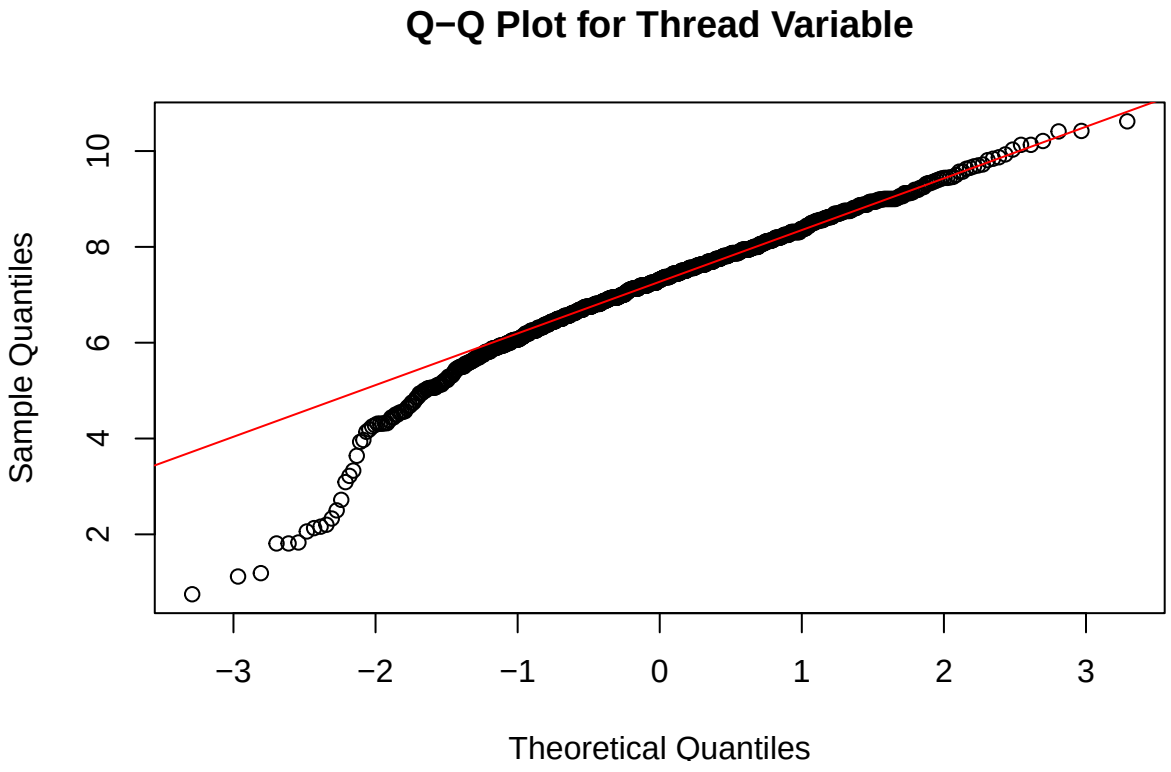


```
ggplot(data=births14, aes(x=weight)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```




```
qqnorm(births14$weight, main = "Q-Q Plot for Thread Variable")
qqline(births14$weight, col = "red")
```


Q−Q Plot for Thread Variable
Sample Quantiles
2
4
6
8
10
−3
−2
−1
0
1
2
3
Theoretical Quantiles