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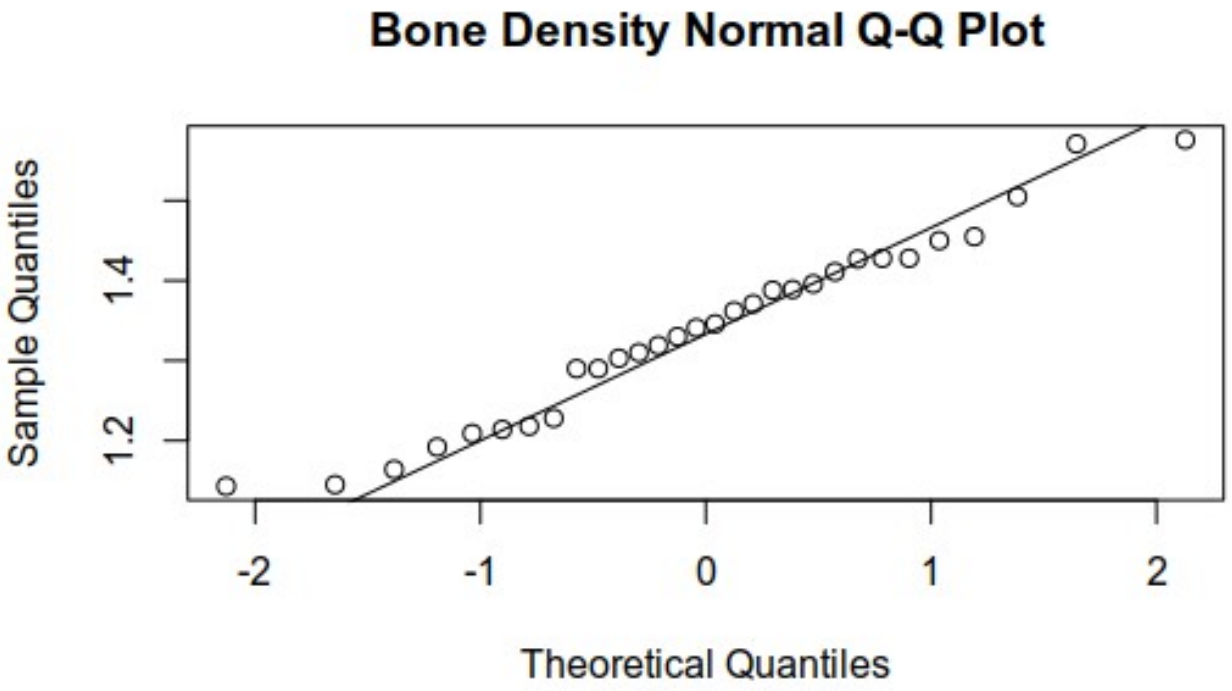

Normality seems to be satisfied here. All of the points rest on or near the line except for one (the left most) which by itself does not have enough weight to dissatisfy the assumption.

Output:

```
      One Sample t-test

data:  boneDensity$Density
t = 62.726, df = 29, p-value < 2.2e-16
alternative hypothesis: true mean is not equal to 0
95 percent confidence interval:
 1.296276 1.383657
sample estimates:
mean of x
 1.339967
```

We can be 95% sure that the true mean bone density of boys who participated in judo lies between 1.296276 and 1.383657 g/cm^2.