

# 😊 After 😊

```
## Enter data inside ( ) separating by commas  
## Replace existing values with your own:
```

```
data ← c(  
  39, 41, 47, 58, 65, 37, 49, 56,  
  59, 62, 36, 48, 52, 64, 29, 44,  
  47, 49, 52, 53, 54, 72, 50, 50  
)
```

```
summary(data)
```

```
boxplot(data)
```

# Before

|                             |                 |          |    |                   |              |        |
|-----------------------------|-----------------|----------|----|-------------------|--------------|--------|
| fx   =(A2-B2)/(C2/SQRT(D2)) |                 |          |    |                   |              |        |
| A                           | B               | C        | D  | E                 | F            |        |
| $\bar{x}$                   | $\mu$           | $\sigma$ | n  | test statistic    | $\alpha$     |        |
| 35.9                        | 33              | 11.5     | 79 | 2.241370766       | 0.05         |        |
| Critical Values             |                 |          |    | z Score Critical  |              |        |
|                             |                 |          |    | Region            |              |        |
|                             |                 |          |    | Left-Tailed Test  | -1.644853627 | FAIL   |
|                             |                 |          |    | Right-Tailed Test | 1.644853627  | REJECT |
|                             | Two-Tailed Test |          |    | 1.959963985       | REJECT       |        |
| P-Value Test                |                 |          |    | Area For Test     |              |        |
|                             |                 |          |    | Statistic         |              |        |
|                             |                 |          |    | Left-Tailed Test  | 0.987498966  | FAIL   |
|                             |                 |          |    | Right-Tailed Test | 0.012501034  | REJECT |
|                             | Two-Tailed Test |          |    | 0.025002069       | REJECT       |        |