```
R version 3.4.2 (2017-09-28) -- "Short Summer"
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Platform: x86_64-apple-darwin15.6.0 (64-bit)

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  Natural language support but running in an English locale

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Type 'q()' to quit R.

[R.app GUI 1.70 (7434) x86_64-apple-darwin15.6.0]

[Workspace restored from /Users/paulpartyka/.RData]
[History restored from /Users/paulpartyka/.Rapp.history]

> axon_angle_day4_normal=c(2.73,
+ 4.32,
+ 6.77,
+ 16.86,
+ 26.57,
+ 38.52,
+ 46.97,
+ 53.62,
+ 56.61,
+ 67.17,
+ 79.05,
+ 75.43,
+ 72.03,
+ 64.59,
+ 58.17,
+ 49.94,
+ 45,
+ 43.49,
+ 27.98,
+ 26.57,
+ 23.81,
+ 21.45,
+ 16.56
+ 12.01,
Error: unexpected numeric constant in:
```

```
"16.56
12.01"
> 9.66,
Error: unexpected ',' in "9.66,"
> 8.33,
Error: unexpected ',' in "8.33,"
> 5.08,
Error: unexpected ',' in "5.08,"
> 3.88,
Error: unexpected ',' in "3.88,"
> 3.5,
Error: unexpected ',' in "3.5,"
> 1.79);
Error: unexpected ')' in "1.79)"
> axon_angle_day4_normal=c(2.73,
+ 4.32,
+ 6.77,
+ 16.86,
+ 26.57,
+ 38.52,
+ 46.97,
+ 53.62,
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Error: unexpected ',' in "8.33,"
> 5.08,
Error: unexpected ',' in "5.08,"
> 3.88,
Error: unexpected ',' in "3.88,"
```

```
> 3.5,
Error: unexpected ',' in "3.5,"
> 1.79);
Error: unexpected ')' in "1.79)"
> day4normalaxon=c(2.73,
+ 4.32,
+ 6.77,
+ 16.86,
+ 26.57,
+ 38.52,
+ 46.97,
+ 53.62,
+ 56.61,
+ 67.17,
+ 79.05,
+ 75.43,
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"16.56
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> 9.66,
Error: unexpected ',' in "9.66,"
> 8.33,
Error: unexpected ',' in "8.33,"
> 5.08,
Error: unexpected ',' in "5.08,"
> 3.88,
Error: unexpected ',' in "3.88,"
> 3.5,
Error: unexpected ',' in "3.5,"
> 1.79);
Error: unexpected ')' in "1.79)"
> day4normalaxon=c(2.73,
+ 4.32,
+ 6.77,
+ 16.86,
+ 26.57,
+ 38.52,
```

```
+ 46.97,
+ 53.62,
+ 56.61,
+ 67.17,
+ 79.05,
+ 75.43,
+ 72.03,
+ 64.59,
+ 58.17,
+ 49.94,
+ 45,
+ 43.49,
+ 27.98,
+ 26.57,
+ 23.81,
+ 21.45,
+ 16.56,
+ 12.01,
+ 9.66,
+ 8.33,
+ 5.08,
+ 3.88,
+ 3.5,
+ 1.79);
>
> day4cd44kdAxon=c(1.4,
+ 23.63,
+ 26.57,
+ 26.57,
+ 28.44,
+ 33.37,
+ 40.73,
+ 50.19,
+ 50.71,
+ 56.31,
+ 57.17,
+ 67.69,
+ 68.5,
+ 71.57,
+ 74.22,
+ 75.65,
+ 77.01,
+ 84.29,
+ 82.65,
+ 65.77,
+ 57.43,
+ 54.69,
+ 53.53,
+ 46.27,
```

```
+ 32.01,
+ 29.48,
+ 24.3,
+ 15.02,
+ 5.71,
+ 3.58);
> t.test(day4cd44kdAxon,day4normalaxon)

    Welch Two Sample t-test

data:  day4cd44kdAxon and day4normalaxon
t = 2.1742, df = 57.926, p-value = 0.03379
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
  1.099588 26.633745
sample estimates:
mean of x mean of y
 46.14867  32.28200

>
```