```
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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[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 alignment
Error: unexpected symbol in "axon alignment"
> axon_normal_day4=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,
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+ 8.33,
+ 5.08,
+ 3.88,
+ 3.5,
+ 1.79);
> axon_cd44kd_endos_day4=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(axon_normal_day4,axon_cd44kd_endos_day4)

    Welch Two Sample t-test

data:  axon_normal_day4 and axon_cd44kd_endos_day4
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:
 -26.633745  -1.099588
sample estimates:
mean of x mean of y
 32.28200  46.14867

> vessel_normal_day4=c(2.29,
+ 4.18,
+ 10.18,
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+ 12.53,
+ 13.45,
+ 14.74,
+ 22.48,
+ 25.14,
+ 33.98,
+ 40.86,
+ 43.36,
+ 50.49,
+ 56.04,
+ 60.4,
+ 62.35,
+ 64.59,
+ 70.87,
+ 64.86,
+ 57.26,
+ 49.64,
+ 38.9,
+ 24.84,
+ 24.26,
+ 20.97,
+ 19.89,
+ 8.7,
+ 6.91,
+ 6.77,
+ 5.27,
+ 2.97);
> vessel_cd44kd_endos_day4=c(9.62,
+ 13.71,
+ 33.69,
+ 35.06,
+ 44.09,
+ 45.73,
+ 46.17,
+ 48.62,
+ 54.04,
+ 61.39,
+ 62.78,
+ 63.43,
+ 65.3,
+ 71.86,
+ 80.75,
+ 75.41,
+ 72.72,
+ 68.2,
+ 66.19,
+ 56.31,
+ 50.31,
+ 48.24,
+ 45,
+ 43.36,
```

```
+ 43.21,
+ 39.96,
+ 36.35,
+ 35.34,
+ 8.67,
+ 2.2);
> t.test(vessel_normal_day4,vessel_cd44kd_endos_day4)

    Welch Two Sample t-test

data:  vessel_normal_day4 and vessel_cd44kd_endos_day4
t = -3.0785, df = 57.441, p-value = 0.003187
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -27.975752  -5.926914
sample estimates:
mean of x mean of y
 30.63900  47.59033

> t.test(vessel_normal_day4,axon_normal_day4)

    Welch Two Sample t-test

data:  vessel_normal_day4 and axon_normal_day4
t = -0.26752, df = 57.218, p-value = 0.79
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -13.94045  10.65445
sample estimates:
mean of x mean of y
   30.639    32.282

> t.test(vessel_cd44kd_day4,axon_cd44kd_day4)
Error in t.test(vessel_cd44kd_day4, axon_cd44kd_day4) :
  object 'vessel_cd44kd_day4' not found
> t.test(vessel_cd44kd_endos_day4,axon_cd44kd_endos_day4)

    Welch Two Sample t-test

data:  vessel_cd44kd_endos_day4 and axon_cd44kd_endos_day4
t = 0.24991, df = 56.204, p-value = 0.8036
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -10.11339  12.99672
sample estimates:
mean of x mean of y
 47.59033  46.14867

> t.test(axon_normal_day4,vessel_cd44kd_endos_day4)

    Welch Two Sample t-test
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```
data:  axon_normal_day4 and vessel_cd44kd_endos_day4
t = -2.5977, df = 55.481, p-value = 0.012
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -27.116125  -3.500542
sample estimates:
mean of x mean of y
 32.28200  47.59033

> t.test(axon_cd44kd_endos_day4,vessel_normal_day4)

    Welch Two Sample t-test

data:  axon_cd44kd_endos_day4 and vessel_normal_day4
t = 2.5754, df = 57.617, p-value = 0.0126
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
  3.452986 27.566348
sample estimates:
mean of x mean of y
 46.14867  30.63900

>
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