```
R version 3.4.2 (2017-09-28) -- "Short Summer"
Copyright (C) 2017 The R Foundation for Statistical Computing
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 'demo()' for some demos, 'help()' for on-line help, or
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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]

> permeabilty
Error: object 'permeabilty' not found
> permeability*
+
+
+ flow=c(7.96056E-08,
+ 5.53054E-08,
+ 9.11183E-08,
+ 7.65902E-08,
+ 6.42023E-08)
Error in permeability * flow = c(7.96056e-08, 5.53054e-08, 9.11183e-08,  :
  object 'permeability' not found
> flow=c(7.96056E-08,
+ + 5.53054E-08,
+ + 9.11183E-08,
+ + 7.65902E-08,
+ + 6.42023E-08)
> flow
[1] 7.96056e-08 5.53054e-08 9.11183e-08 7.65902e-08 6.42023e-08
> flow_thrombin=c(3.15637E-07,
+ 2.53551E-07,
+ 2.04371E-07,
+ 1.9646E-07,
+ 3.48845E-07);
> t.test(flow,flow_thrombin)
```

```
    Welch Two Sample t-test

data:  flow and flow_thrombin
t = -6.1996, df = 4.3419, p-value = 0.002613
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -2.730975e-07 -1.077194e-07
sample estimates:
   mean of x    mean of y
7.336436e-08 2.637728e-07

> static=c(7.51278E-08,
+ 4.05113E-08,
+ 6.12396E-08,
+ 2.40139E-08,
+ 6.91712E-08)
> static_thrombin=c(1.82918E-07,
+ 2.19621E-07,
+ 1.88785E-07,
+ 3.5282E-07,
+ 1.73956E-07)
> t.test(static, static_thrombin)

    Welch Two Sample t-test

data:  static and static_thrombin
t = -4.911, df = 4.6525, p-value = 0.005378
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -2.604183e-07 -7.879615e-08
sample estimates:
   mean of x    mean of y
5.401276e-08 2.236200e-07

> t.test(static,flow)

    Welch Two Sample t-test

data:  static and flow
t = -1.7023, df = 6.8937, p-value = 0.1332
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -4.631731e-08  7.614105e-09
sample estimates:
   mean of x    mean of y
5.401276e-08 7.336436e-08

> t.test(static_thrombin,flow_thrombin)
```

```
    Welch Two Sample t-test

data:  static_thrombin and flow_thrombin
t = -0.89632, df = 7.9231, p-value = 0.3965
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -1.436311e-07  6.332545e-08
sample estimates:
   mean of x    mean of y
2.236200e-07 2.637728e-07

>
```