

RStudio

Go to file/function Addins Project: (None)

demo_R_two-sample.R x R6_cholesterol.R x

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```
1 #
2 # Conduct a 2-sample t test to determine
3 # if there is a difference in the mean cholesterol levels between
4 # the two populations of individuals at the 5% level
5
6
7 sample_1 = c(6, 6.4, 7, 5.8, 6, 5.8, 5.9, 6.7, 6.1, 6.5, 6.3, 5.8)
8 sample_2 = c(6.4, 5.4, 5.6, 5, 5, 4.5, 6)
9
10 t.test(sample_1, sample_2, mu = 0, conf.level = 0.95)
11
12
```

11:1 (Top Level) R Script

Environment History Connections Tutorial

Global Environment

Values

sample_1	num [1:12]	6 6.4 7 5.8 ...
sample_2	num [1:7]	6.4 5.4 5.6 5...

Console Terminal Jobs

~/

Welch Two Sample t-test

data: sample_1 and sample_2
t = 2.8772, df = 8.6096, p-value = 0.0191
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 0.1619252 1.3928367
sample estimates:
mean of x mean of y
 6.191667 5.414286

>

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