R 소개

The R Project for Statistical Computing

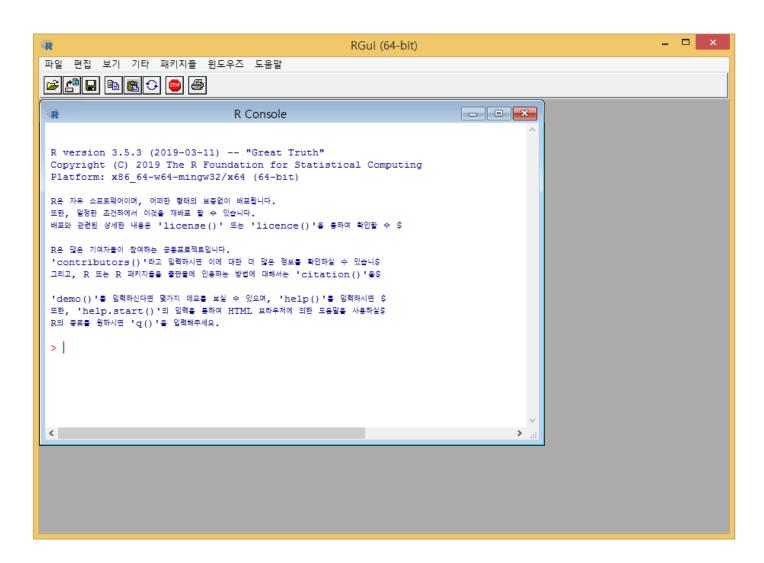
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1. R이란?

2. 그래프

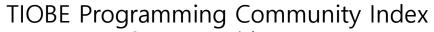
3. 분석

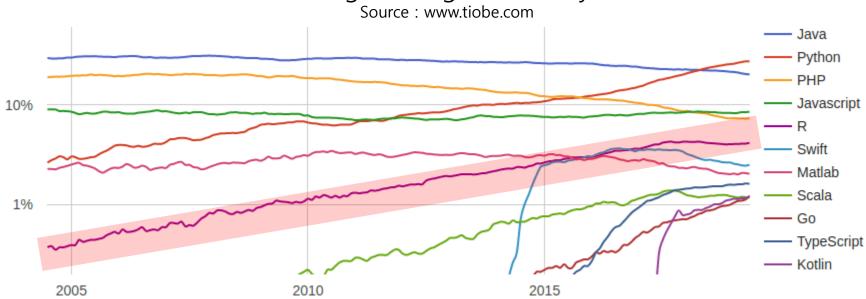
R 이란?

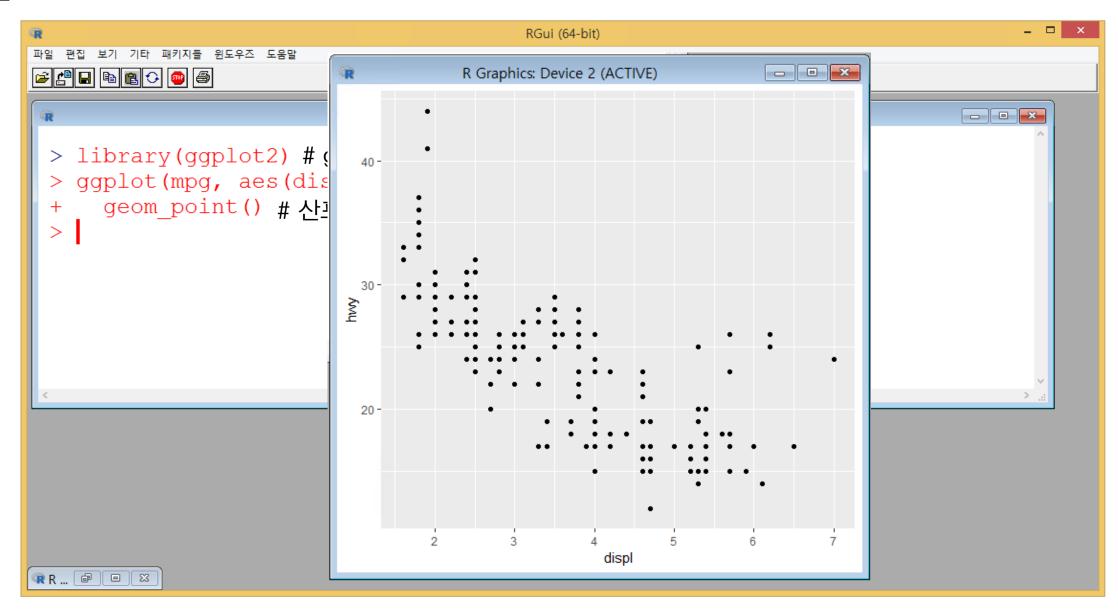


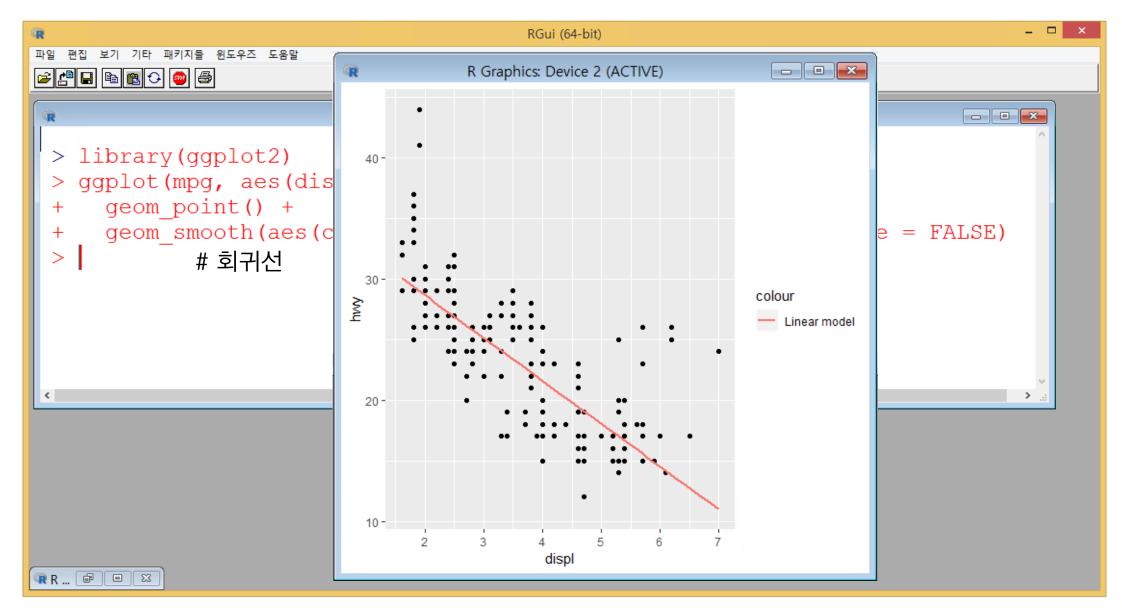
R 을 왜 쓰는가?

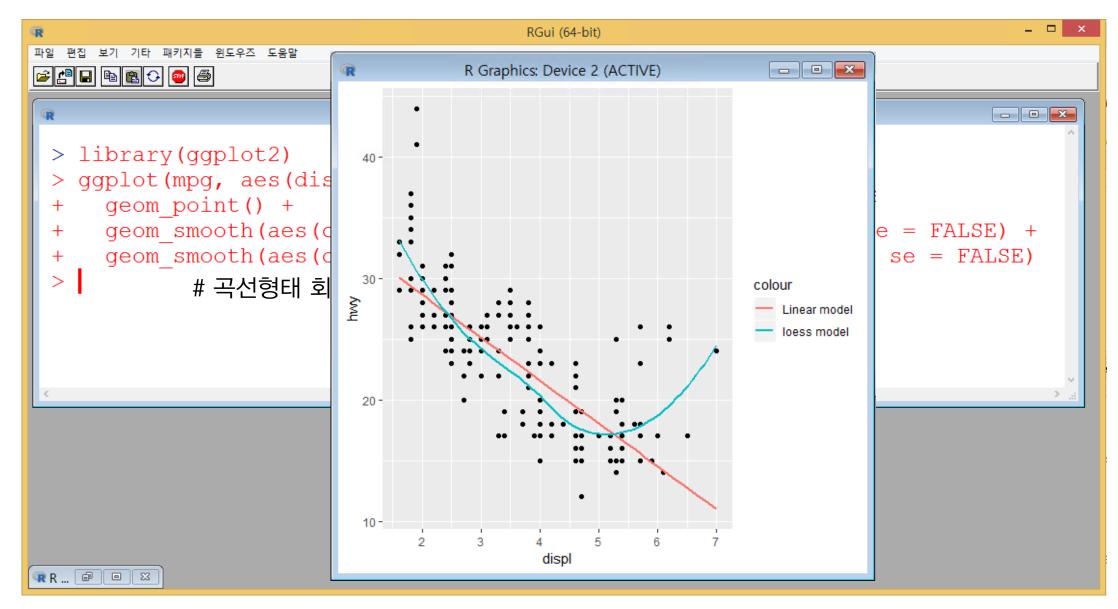


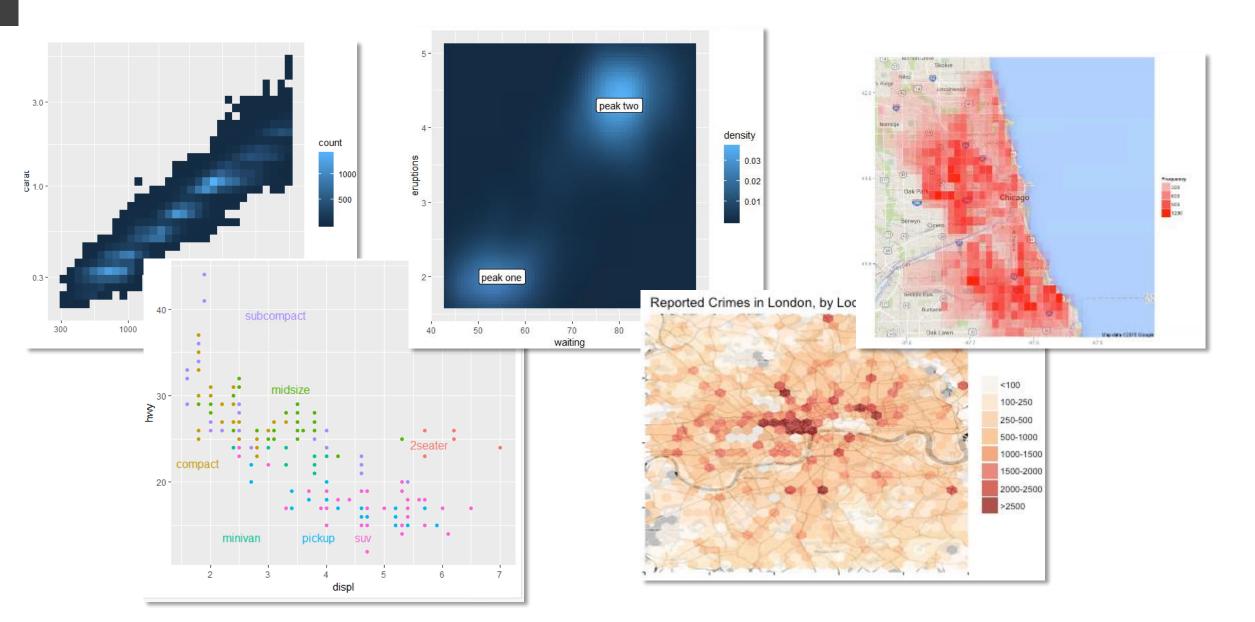




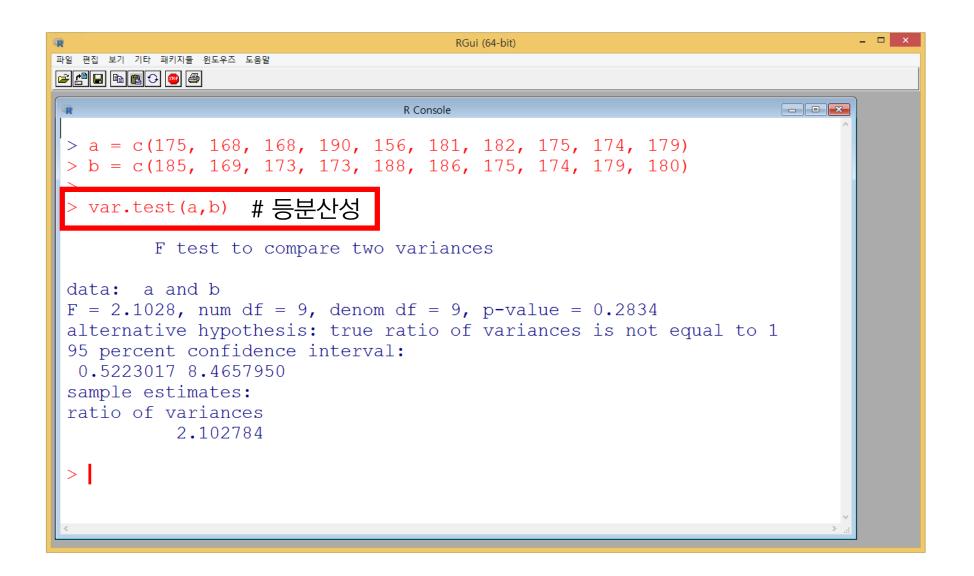








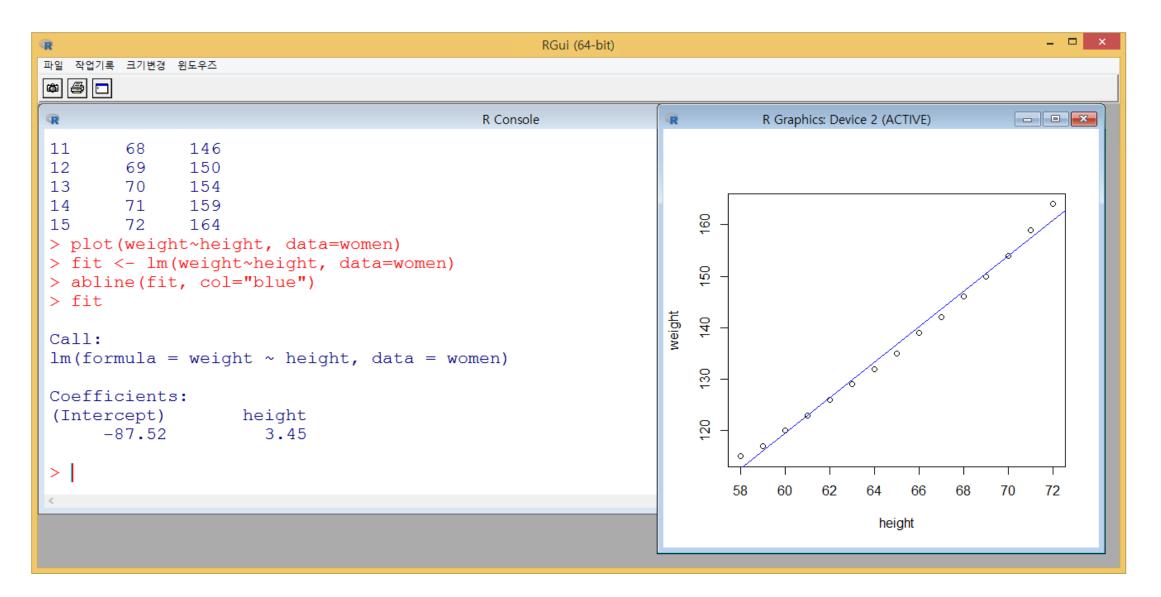
분석 - 등분산검정



분석 - T test

```
_ 🗆 ×
                                         RGui (64-bit)
파일 편집 보기 기타 패키지들 윈도우즈 도움말
R Console
                                                                         - - X
> a = c(175, 168, 168, 190, 156, 181, 182, 175, 174, 179)
> b = c(185, 169, 173, 173, 188, 186, 175, 174, 179, 180)
 > t.test(a,b, var.equal = TRUE) # 독립표본 T-test
        Two Sample t-test
data: a and b
t = -0.94737, df = 18, p-value = 0.356
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -10.93994 4.13994
sample estimates:
mean of x mean of y
    174.8 178.2
```

분석 - 회귀분석



분석 - T test

RDocumentation

Integrate rdocumentation.org inside RStudio

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From stats v3.6.0 by R-core R-core@R-project.org Percentile

Fitting Linear Models

Im is used to fit linear models. It can be used to carry out regression, single stratum analysis of variance and analysis of covariance (although and provide a more convenient interface for these).

Keywords regression

Usage

```
Im(formula, data, subset, weights, na.action,
  method = "qr", model = TRUE, x = FALSE, y = FALSE, qr = TRUE,
  singular.ok = TRUE, contrasts = NULL, offset, ...)
```

Arguments

formula an object of class "formula" (or one that can be coerced to that class): a symbolic

description of the model to be fitted. The details of model specification are given under $\,$

'Details'.

data an optional data frame, list or environment (or object coercible by as.data.frame to a data

frame) containing the variables in the model. If not found in data, the variables are taken

from environment(formula), typically the environment from which Im is called.

subset an optional vector specifying a subset of observations to be used in the fitting process.

weights an optional vector of weights to be used in the fitting process. Should be NULL or a numeric

vector. If non-NULL, weighted least squares is used with weights | weights | (that is, minimizing

sum(w*e^2)); otherwise ordinary least squares is used. See also 'Details',

a function which indicates what should happen when the data contain NA s. The default is set by the na.action setting of options, and is na.fail if that is unset. The 'factory-fresh'

default is the enit. Another possible value is MULL, no action, Value, no evalue, san be

THANK YOU