

```

x <- rnorm(10)
y <- x + rnorm(5, sd = 0.25)
model <- lm(y ~ x)
rsq <- summary(model)$r.squared
rsq <- signif(rsq, 4)
# For whatever reason you can not break lines that contain a long sequence
# of LaTeX input. Even knitr's tidy option will not handle it. So, we end up
# with the bad formatting below. Something to keep in mind if printing R
# code to LaTeX.
plot(x, y, main = "\\LaTeX\\ math in an R title!  $\frac{1}{\sigma\sqrt{2\pi}}e^{-\frac{(x-\mu)^2}{2\sigma^2}}$ ")
abline(model, col = "red")
mtext(paste("Linear model:  $R^2 =$ ", rsq, " $$ "), line = 0.5)
legend("bottomright", legend = paste("$y = ", round(coef(model)[2], 3), "x +",
round(coef(model)[1], 3), "$", sep = ""), bty = "n")

```

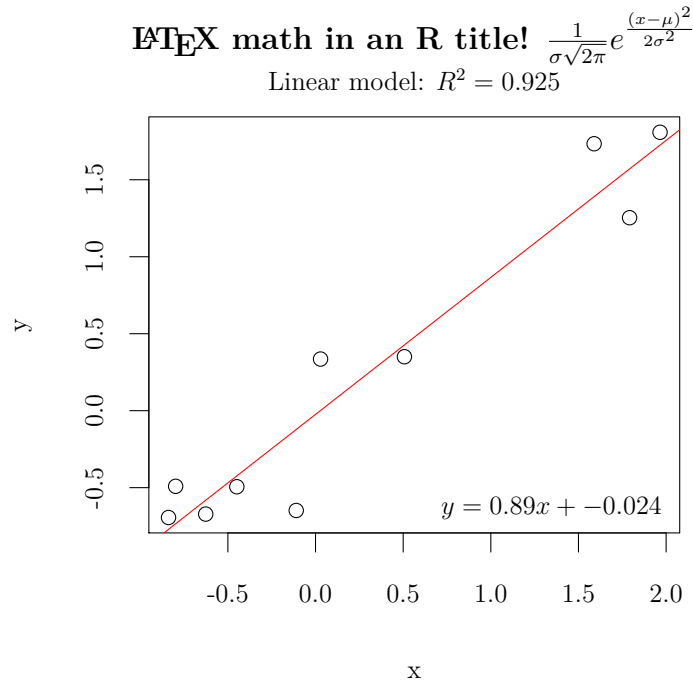


Figure 1: This is a caption. Source: The tikzDevice Vignette