

# Untitled

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```
x <- rnorm(10)
y <- x + rnorm(5, sd = 0.25)
model <- lm(y ~ x)
rsq <- summary(model)$r.squared
rsq <- signif(rsq, 4)
plot(x, y, main = "Hello \\LaTeX!", xlab = "$x$", ylab = "$y$")
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")
```

**Hello L<sup>A</sup>T<sub>E</sub>X!**

Linear model:  $R^2 = 0.9833$

