Linear regression models are commonly usewd across statistics

In future modules, you will meet advanced model selection procedures

Consider the case of the response variable y and three predictor variables x1, x2, x3

In the first instance we will computer

|  |
| --- |
| **Lm(y ~ x1)**  **Lm(y ~ x2)**  **Lm(y ~ x3)**  **## ## ##**  **Lm(y ~ x1 + x3)**  **Lm(y ~ x1 + x2)**  **Lm(y ~ x2 + x3)**  **## ## ##**  **Lm(y ~ x1 + x2 + x3)** |

Coefficient of Determinaiton

R-squared

Adjusted R- squared