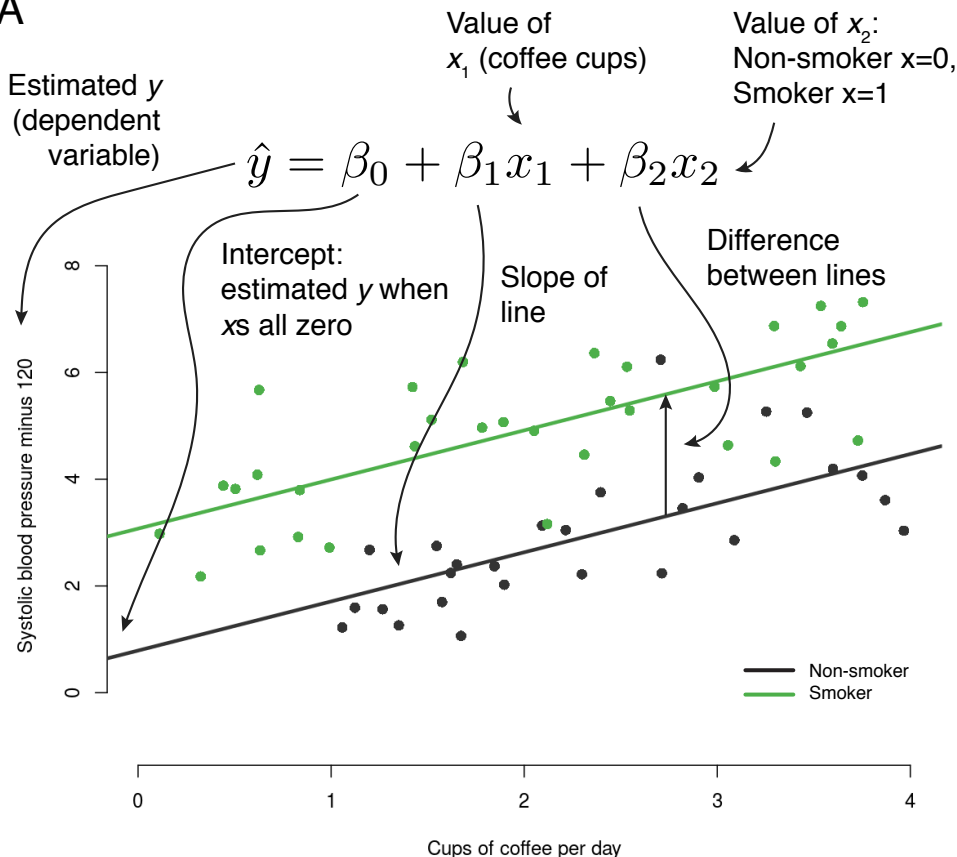


A



B Linear regression (lm) output

Call:
lm(formula = y ~ coffee + smoking, data = df)

Function call

Residuals:

| Min | 1Q | Median | 3Q | Max |
|---------|---------|--------|--------|--------|
| -1.4589 | -0.6176 | 0.0043 | 0.6715 | 1.8748 |

Distribution of residuals

Coefficients:

| | Estimate | Std. Error | t value | Pr(> t) |
|-------------|----------|------------|---------|--------------|
| (Intercept) | 0.68661 | 0.24292 | 2.827 | 0.00648 ** |
| coffee | 1.00496 | 0.09781 | 10.275 | 1.38e-14 *** |
| smoking | 2.47581 | 0.22694 | 10.910 | 1.40e-15 *** |

Results

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.8724 on 57 degrees of freedom

Multiple R-squared: 0.8144, Adjusted R-squared: 0.8079

F-statistic: 125.1 on 2 and 57 DF, p-value: < 2.2e-16

Adjusted R²

$$s\hat{B}P = \beta_0 + \beta_{coffee}x_{coffee} + \beta_{smoking}x_{smoking}$$