My Report Title

Analysis Report

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Contents

# 1. Dynamic Report

See [site](http://127.0.0.1:5173/?_inputs_&nav=%22Report%20Export%22&download_trigger=3&parse_url_1=0&parse_url_2=0&load_report_1=0&load_report_2=0&clear_comparison=0&format=%22Word%22&plotA_n=2&plotB_n=2&bookmark_url_1=%22%22&bookmark_url_2=%22%22&title=%22My%20Report%20Title%22&subtitle=%22Analysis%20Report%22&name=%22John%20Doe%22&plotA_x_1=%22mpg%22&plotA_notes_shared=%22Figure%20%40fig-plotA%20has%20plots%20%40fig-plotA-1%20and%20%40fig-plotA-2%22&plotA_SubCaption_1=%22sb1%22&plotA_caption_shared=%22overall%22&plotB_x_1=%22mpg%22&plotB_notes_shared=%22%22&plotB_SubCaption_1=%22%22&plotB_caption_shared=%22%22&plotA_x_2=%22cyl%22&plotA_SubCaption_2=%22sb2%22&plotB_x_2=%22mpg%22&plotB_SubCaption_2=%22%22)

## 1.1 Regression Analysis

Here are my regression models:

### 1.1.1 Plot A Models

#### 1.1.1.1 Plot A 1

Variable: mpg

Call: lm(formula = fml, data = mtcars)

Residuals: Min 1Q Median 3Q Max -9.691 -4.666 -0.891 2.709 13.809

Coefficients: Estimate Std. Error t value Pr(>|t|)  
(Intercept) 20.09 1.07 18.9 <2e-16 \*\*\* — Signif. codes: 0 ‘***’ 0.001 ’****’ 0.01 ’*’ 0.05 ‘.’ 0.1 ’ ’ 1

Residual standard error: 6.03 on 31 degrees of freedom

The fitting result is: mpg = 20.09 + NA \* mpg

#### 1.1.1.2 Plot A 2

Variable: cyl

Call: lm(formula = fml, data = mtcars)

Residuals: Min 1Q Median 3Q Max -4.981 -2.119 0.222 1.072 7.519

Coefficients: Estimate Std. Error t value Pr(>|t|)  
(Intercept) 37.885 2.074 18.27 < 2e-16  ***cyl -2.876 0.322 -8.92 6.1e-10***  — Signif. codes: 0 ‘***’ 0.001 ’****’ 0.01 ’*’ 0.05 ‘.’ 0.1 ’ ’ 1

Residual standard error: 3.21 on 30 degrees of freedom Multiple R-squared: 0.726, Adjusted R-squared: 0.717 F-statistic: 79.6 on 1 and 30 DF, p-value: 6.11e-10

The fitting result is: mpg = 37.88 + -2.876 \* cyl

### 1.1.2 Plot B Models

#### 1.1.2.1 Plot B 1

Variable: mpg

Call: lm(formula = fml, data = mtcars)

Residuals: Min 1Q Median 3Q Max -9.691 -4.666 -0.891 2.709 13.809

Coefficients: Estimate Std. Error t value Pr(>|t|)  
(Intercept) 20.09 1.07 18.9 <2e-16 \*\*\* — Signif. codes: 0 ‘***’ 0.001 ’****’ 0.01 ’*’ 0.05 ‘.’ 0.1 ’ ’ 1

Residual standard error: 6.03 on 31 degrees of freedom

The fitting result is: mpg = 20.09 + NA \* mpg

#### 1.1.2.2 Plot B 2

Variable: mpg

Call: lm(formula = fml, data = mtcars)

Residuals: Min 1Q Median 3Q Max -9.691 -4.666 -0.891 2.709 13.809

Coefficients: Estimate Std. Error t value Pr(>|t|)  
(Intercept) 20.09 1.07 18.9 <2e-16 \*\*\* — Signif. codes: 0 ‘***’ 0.001 ’****’ 0.01 ’*’ 0.05 ‘.’ 0.1 ’ ’ 1

Residual standard error: 6.03 on 31 degrees of freedom

The fitting result is: mpg = 20.09 + NA \* mpg

## 1.2 Scatter Plots with Regression Lines

### 1.2.1 Plot A Visualizations

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | (a) sb1 | | |  | | --- | | (b) sb2 | |

Figure 1: overall

**Notes for Plot A :** Figure [Fig. 1](#fig-plotA) has plots [Fig. 1 (a)](#fig-plotA-1) and [Fig. 1 (b)](#fig-plotA-2)

See [Fig. 1 (a)](#fig-plotA-1).

See knitr settings below.

### 1.2.2 Plot B Visualizations

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | (a) Var: mpg | | |  | | --- | | (b) Var: mpg | |

Figure 2