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```
## $plotA_x_1
## [1] "mpg"
##
## $plotA_x_2
## [1] "disp"
##
## $plotA_x_3
## [1] "qsec"
##
## $plotB_x_1
## [1] "mpg"
##
## $plotB_x_2
## [1] "carb"
##
## $plotB_x_3
## [1] "gear"
##
## $bookmark_url
## [1] "http://127.0.0.1:7949/?_inputs_&nav=%22Report%20Export%22&download_trigger=1&format=
```

1 Dynamic Report

See [site](#)

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: disp

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

Residuals: Min 1Q Median 3Q Max -4.892 -2.202 -0.963 1.627 7.231

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 29.59985 1.22972 24.07 < 2e-16 **disp -0.04122 0.00471 -8.75 9.4e-10** — Signif. codes: 0 “**0.001**” 0.01 ” 0.05 ” 0.1 ’ ’ 1

Residual standard error: 3.25 on 30 degrees of freedom Multiple R-squared: 0.718, Adjusted R-squared: 0.709 F-statistic: 76.5 on 1 and 30 DF, p-value: 9.38e-10

The fitting result is: mpg = 29.6 + -0.0412 * disp

1.1.1.3 Plot A 3

Variable: qsec

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

Residuals: Min 1Q Median 3Q Max -9.88 -3.45 -0.72 2.28 11.65

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) -5.114 10.030 -0.51 0.614

qsec 1.412 0.559 2.53 0.017 * — Signif. codes: 0 “**0.001**” 0.01 ” 0.05 ‘ 0.1 ’ ’ 1

Residual standard error: 5.56 on 30 degrees of freedom Multiple R-squared: 0.175, Adjusted R-squared: 0.148 F-statistic: 6.38 on 1 and 30 DF, p-value: 0.0171

The fitting result is: $\text{mpg} = -5.114 + 1.412 * \text{qsec}$

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: $\text{mpg} = 20.09 + \text{NA} * \text{mpg}$

1.1.2.2 Plot B 2

Variable: carb

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

Residuals: Min 1Q Median 3Q Max -7.25 -3.32 -1.43 3.38 10.08

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 25.872 1.837 14.09 9.2e-15 * **carb** -2.056 0.569 -3.62 0.0011 — Signif. codes: 0 “**0.001**” 0.01 ” 0.05 ‘ 0.1 ’ ’ 1

Residual standard error: 5.11 on 30 degrees of freedom Multiple R-squared: 0.304, Adjusted R-squared: 0.28 F-statistic: 13.1 on 1 and 30 DF, p-value: 0.00108

The fitting result is: $\text{mpg} = 25.87 + -2.056 * \text{carb}$

1.1.2.3 Plot B 3

Variable: gear

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

Residuals: Min 1Q Median 3Q Max -10.240 -2.793 -0.205 2.126 12.583

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 5.62 4.92 1.14 0.2618

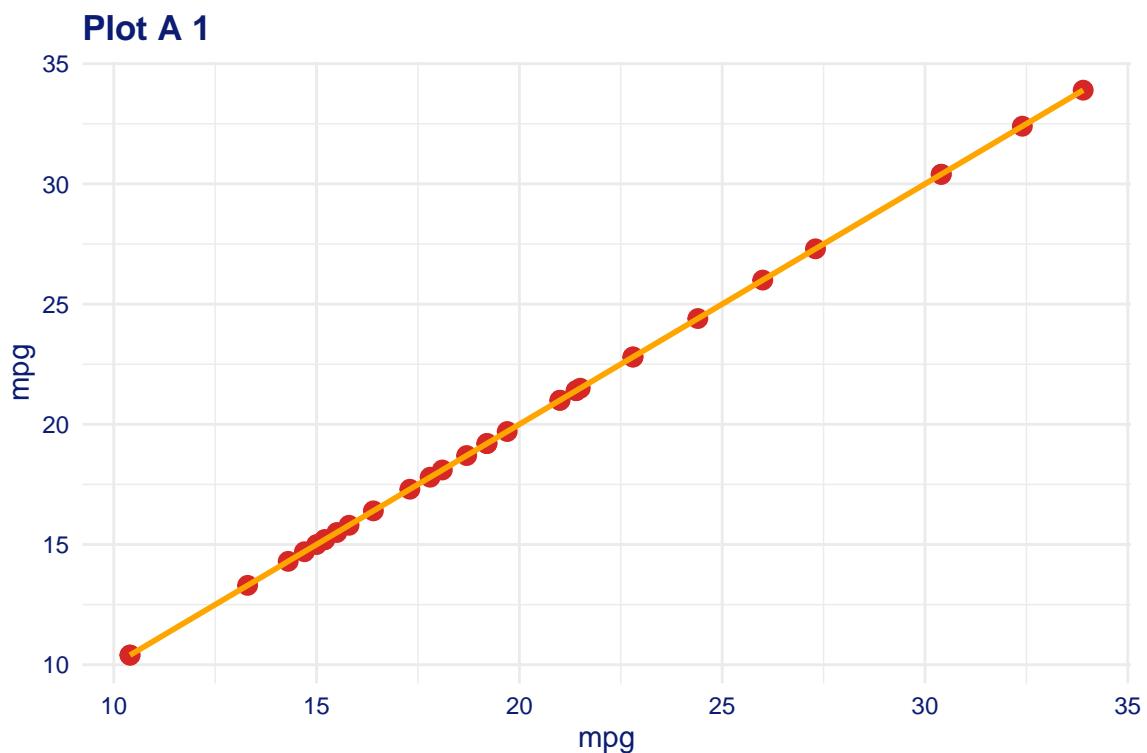
gear 3.92 1.31 3.00 0.0054 ** — Signif. codes: 0 “**0.001**” 0.01 ” 0.05 ‘ 0.1 ’ ’ 1

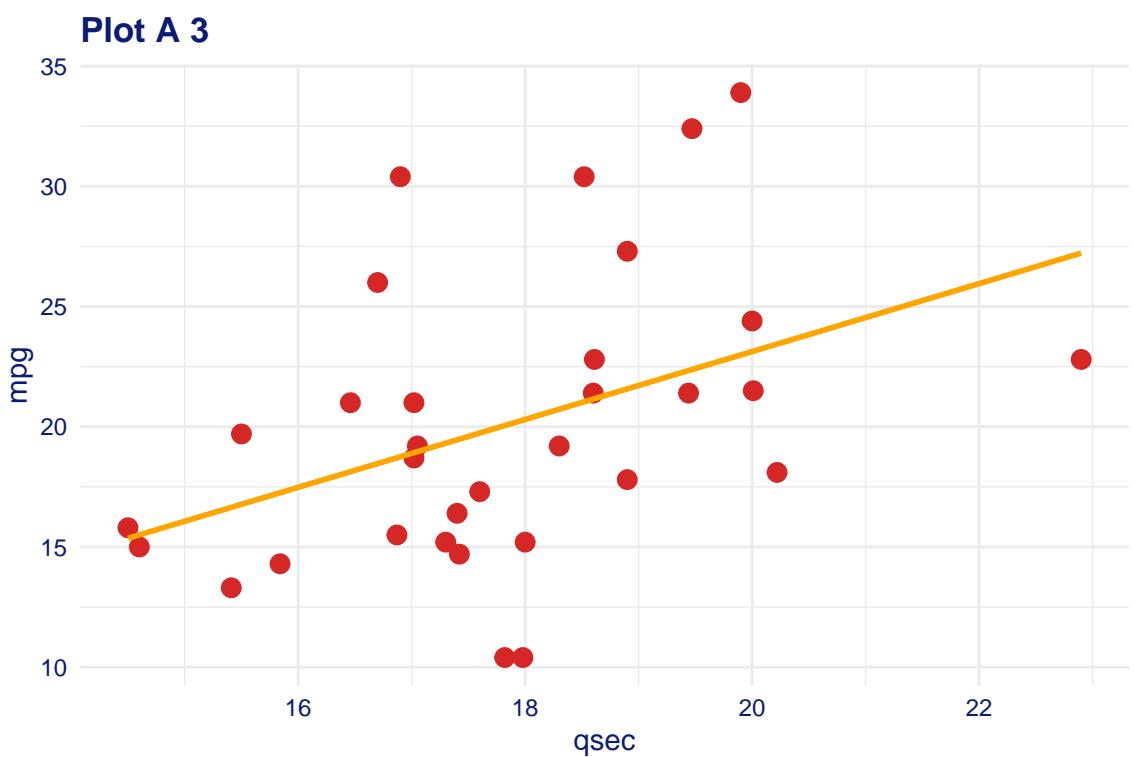
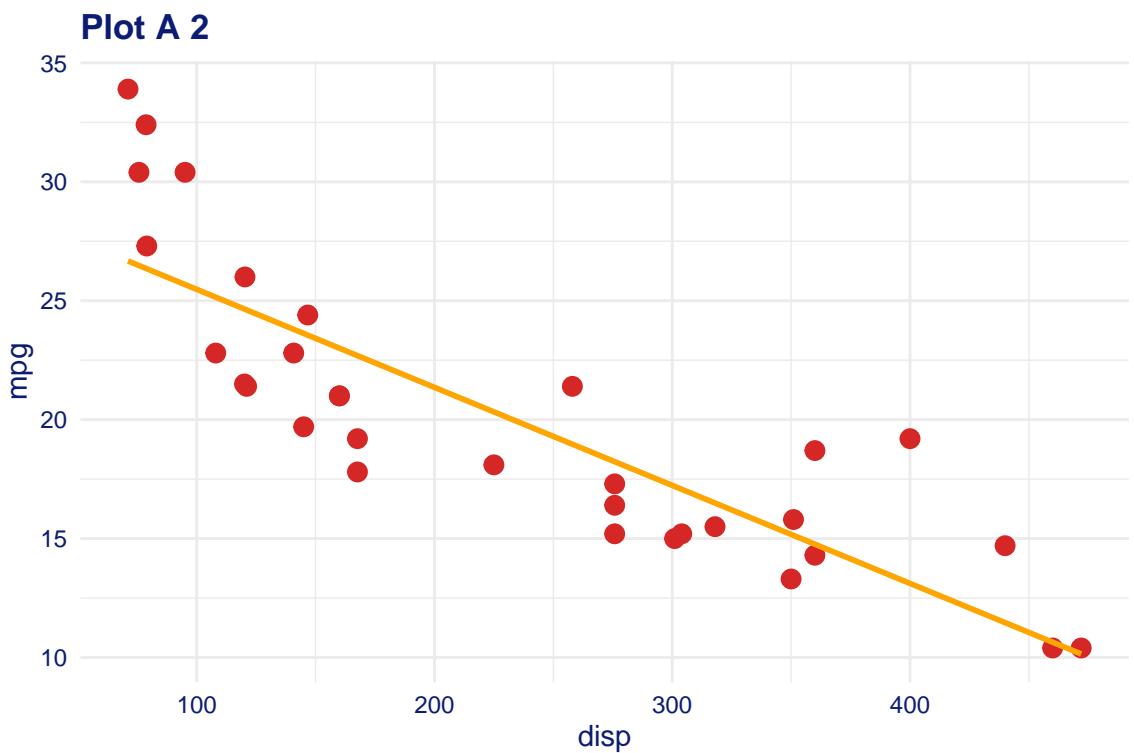
Residual standard error: 5.37 on 30 degrees of freedom Multiple R-squared: 0.231, Adjusted R-squared: 0.205 F-statistic: 9 on 1 and 30 DF, p-value: 0.0054

The fitting result is: $mpg = 5.623 + 3.923 * gear$

1.2 Scatter Plots with Regression Lines

1.2.1 Plot A Visualizations





1.2.2 Plot B Visualizations

