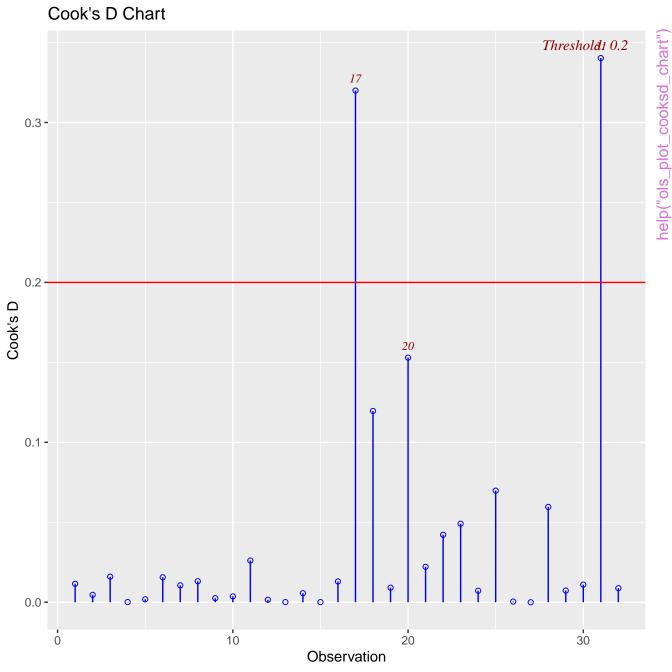
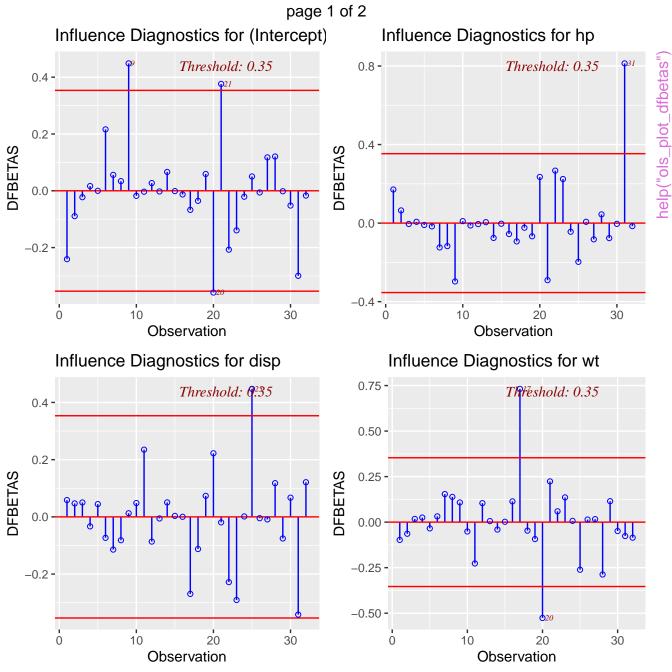


Cook's D Chart help("ols_plot_cooksd_chart") Threshold: 0.1125 17 0.3 -0.2 -Cook's D 20 0.1 -0 10 20 30 Observation

Cook's D Chart help("ols_plot_cooksd_chart") Threshold: 0,036 17 0.3 -0.2 -Cook's D 20 18 0.1 -25 28 22 9 9 9 0.0-0 10 20 30 Observation



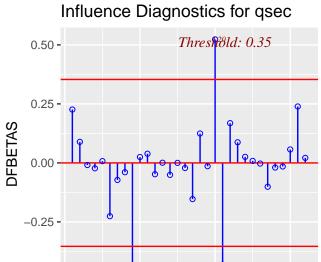


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20

Observation

30



10

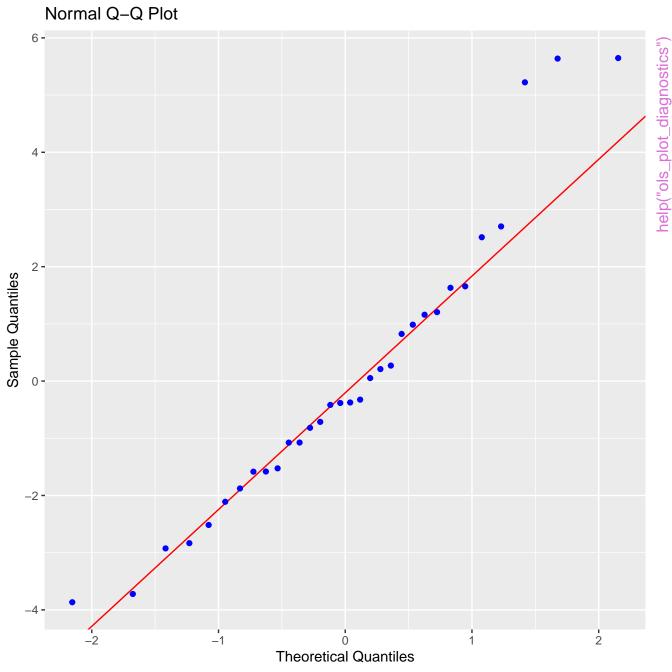
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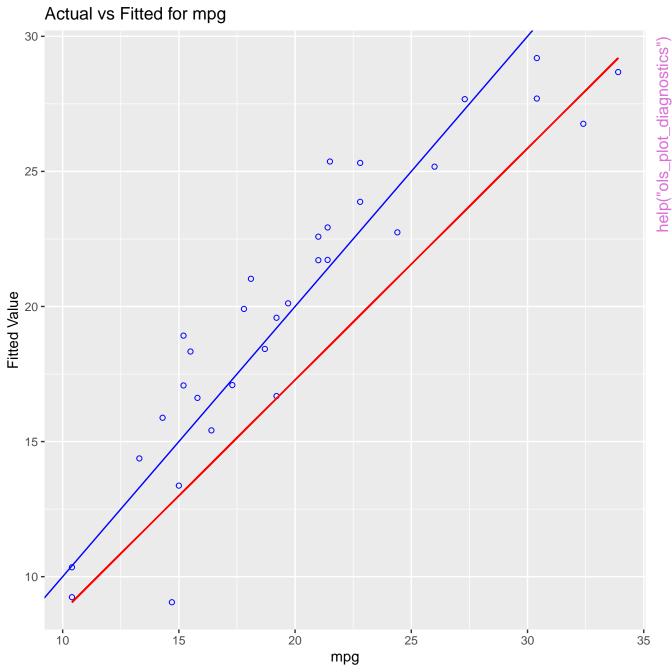
Influence Diagnostics for mpg Threshold: 0.79 **φ**17 help("ols_plot_dffits") 1.0 **φ**31 **\quad 20** 0.5 -DFFITS 0.0 -0.5 **-**0 10 20 30 Observation

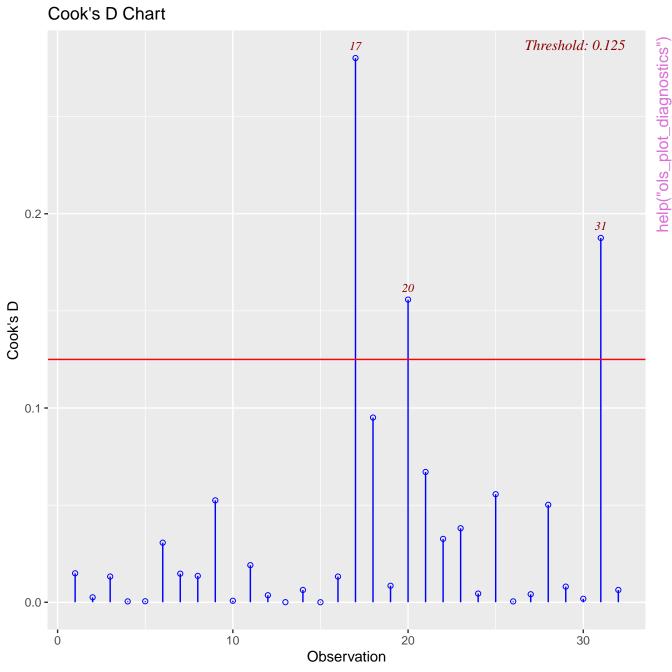
Influence Diagnostics for mpg Threshold: 0.96 **φ**17 help("ols_plot_dffits") 1.0 -0.5 -DFFITS 0.0 -0.5 **-**-1.0 **-**10 Ö 20 30 Observation

Residual vs Fitted Values help("ols_plot_diagnostics") 4 -2 -Residual 0 0 -2 **-**-4 **-**Fitted Value

Outlier and Leverage Diagnostics for mpg 6 -Leverage Threshold: 0.312 help("ols_plot_diagnostics") Outlier Threshold: 2 3 -17 0 18 20 0 Observation 31 0 RStudent normal 0 leverage 0 outlier ° 0 9 0 00 0 0 -3 **-**0.1 0.2 0.3 0.4 0.5 Leverage

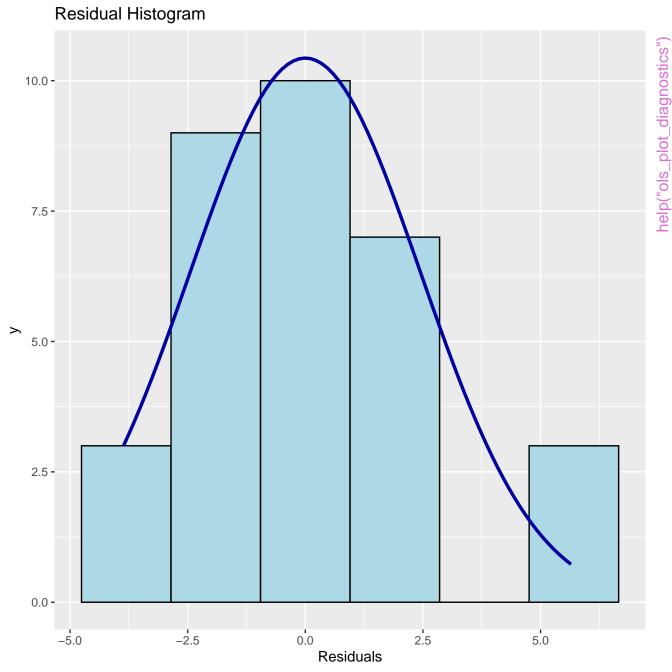






Residual Fit Spread Plot help("ols_plot_diagnostics") 10-0 00 0 000 5 -0 000 0 0 0 000 Fit - Mean 0 -000 0000 0 0 -5 **-**0 0 0 -10**-**0 0 -15 **-**0.4 0.0 0.8 1.2 **Proportion Less**

Residual Fit Spread Plot 7.5 help("ols_plot_diagnostics") 00 0 5.0 -2.5 -0 0 Residual 0000 000 0.0 -0000 00 0 0 000 0 0 -2.5 **-**0 0 00 -5.0 **-**0.0 0.4 0.8 1.2 **Proportion Less**

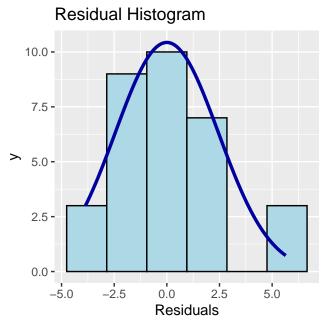


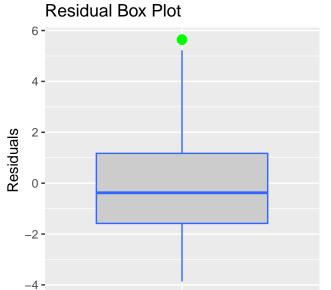
Residual Box Plot help("ols_plot_diagnostics") 4 -2 -Residuals 0 --2 **-**-4 **-**

Regression Diagnostics Residual vs Fitted Values Outlier and Leverage Diagnostics for m help("ols_plot_diagnostics erage Threshold: 0.312 0 0 ıtlier Threshold: 2 4 -18 20 17 0 0 0 Observation O 2 -Residual RStudent *31* o O 00 normal 0 0 0 0 leverage 0 0 00 00 0 outlier 0 0 တ -2 **-**-3 **-**0 0 0 0 0 -4 **-**10 15 20 30 0.1 0.2 0.5 25 0.3 Fitted Value Leverage Deleted Studentized Residual vs Pre Normal Q-Q Plot 6 -Threshold: abs(2) Deleted Studentized Residual **•**17 •18₂₀ 4 -Sample Quantiles Observation 2 normal outlier 0 --2 **-**2 10 25 30 15 0 **Predicted Value** Theoretical Quantiles

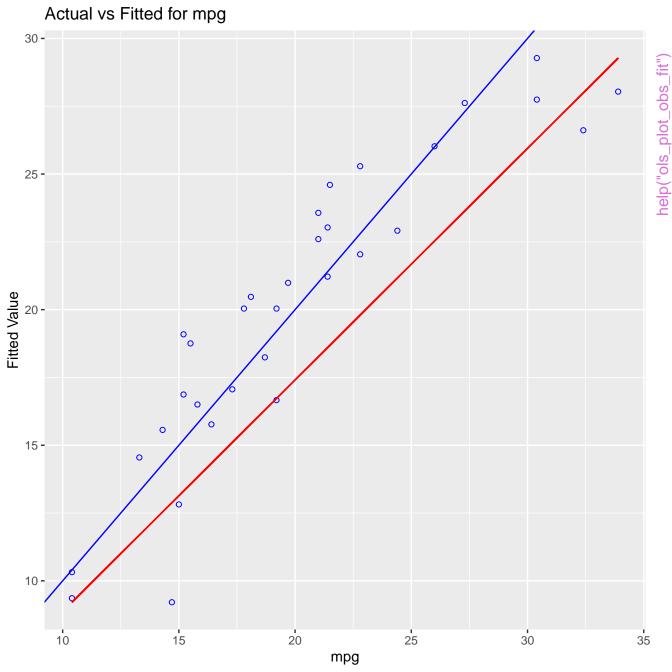
Regression Diagnostics Actual vs Fitted for mpg Residual Fit Spread Plot help("ols_plot_diagnostics") 30 -10-25 -5 -Fitted Value Fit - Mean 20 **-**0 --5 **-**15 о 00 -10 **-**-15 **-**15 20 30 35 1.2 10 25 0.0 0.4 0.8 **Proportion Less** mpg Cook's D Chart Residual Fit Spread Plot 7.5 -Threshold: 0.125 o 5.0 -0.2 -31 2.5 -20 Cook's D Residual 0.0 -0.1 --2.5 **-**-5.0 **-**0.0 1.2 0.4 0.8 20 30 **Proportion Less** Observation

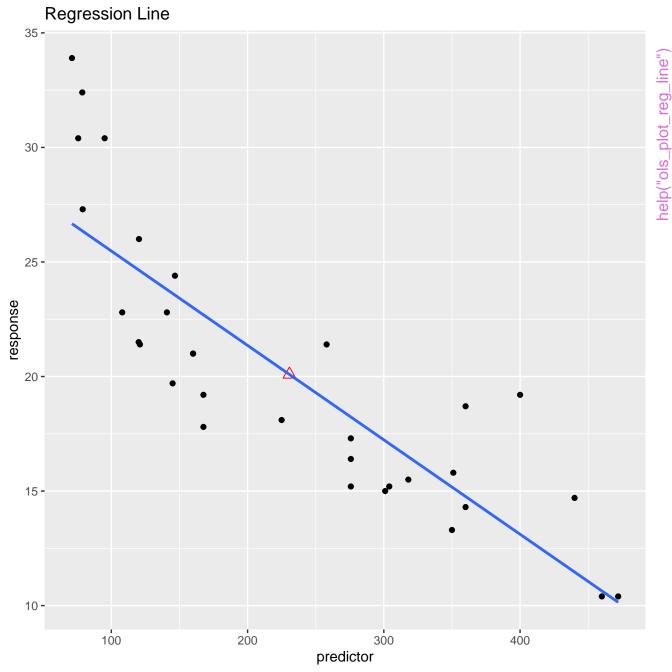
Regression Diagnostics





Hadi's Influence Measure 1.25 help("ols_plot_hadi") 1.00 -0.75 **-**Hadi's Measure 0.50 -0.25 -0.00 -10 20 30 Observation

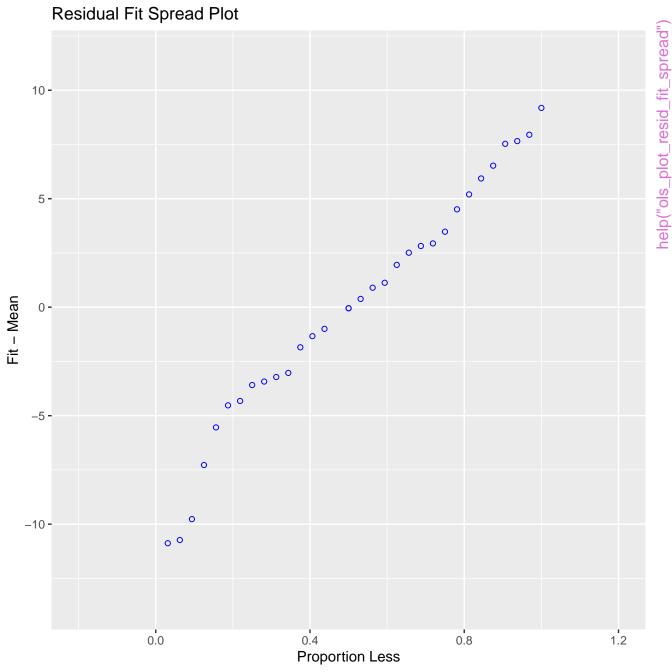


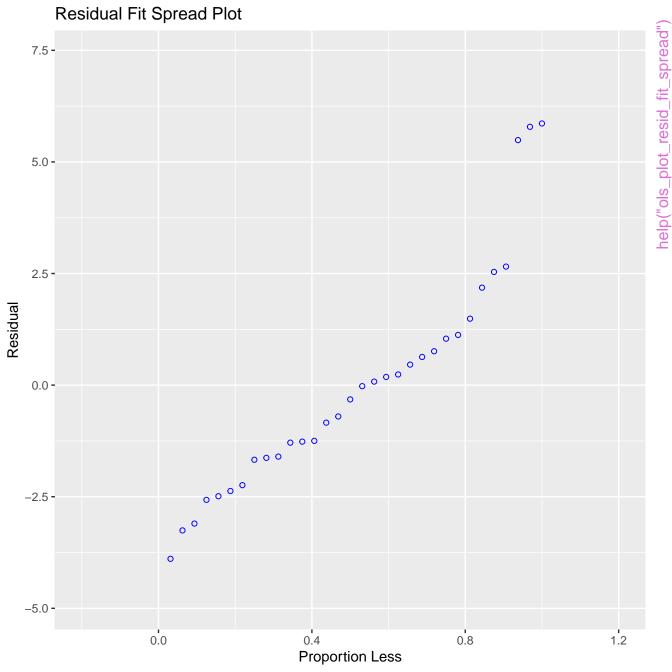


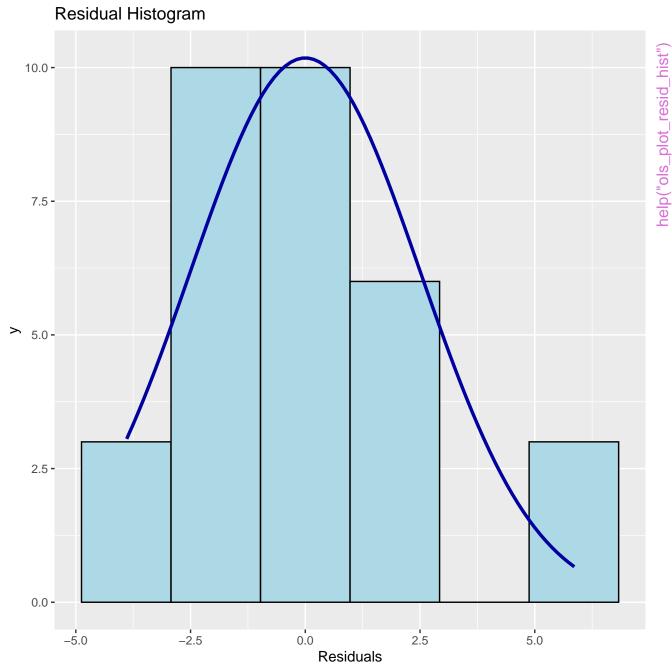
Residual Box Plot 6 help("ols_plot_resid_box") 4 -2 -Residuals 0 --2 **-**

Residual vs Fitted Values 6 help("ols_plot_resid_fit") 4 -2 -Residual 0 0 -2 **-**° 0 _4 **-**Fitted Value

Residual Fit Spread Plot Residual Fit Spread Plot Residual Fit Spread Plot help("ols_plot_resid_fit_spread" 7.5 -10-0 000 5.0 -0 5 -00 2.5 -Fit - Mean 0 -Residual 000 0.0 --5 **-**000 000 0 -2.5 **-**-10**-**00 00 0 −5.0 **-**0.0 0.0 1.2 0.4 1.2 0.4 0.8 0.8 **Proportion Less Proportion Less**

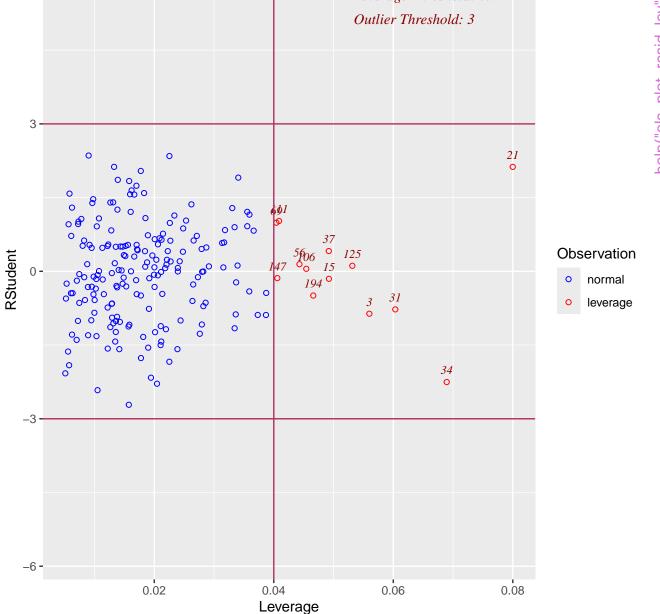


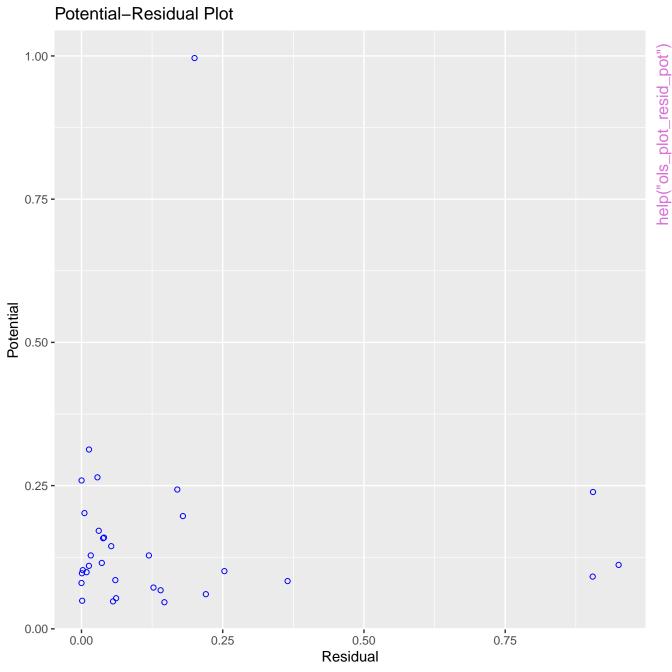


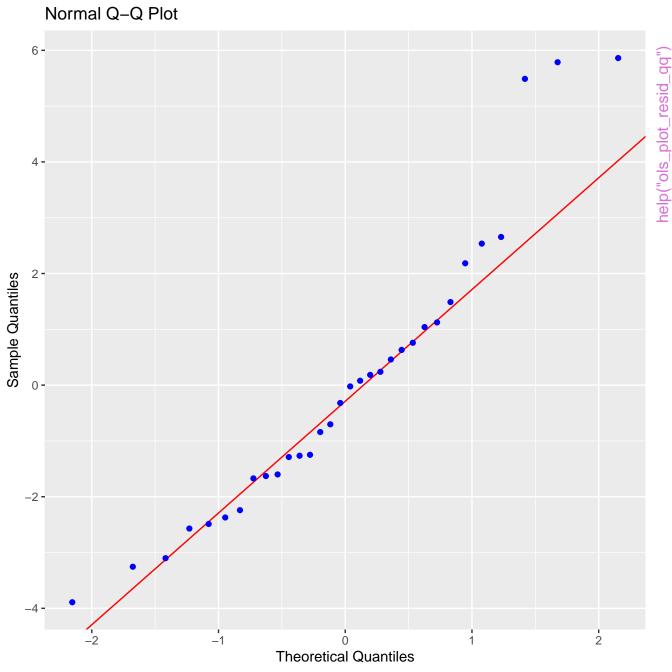


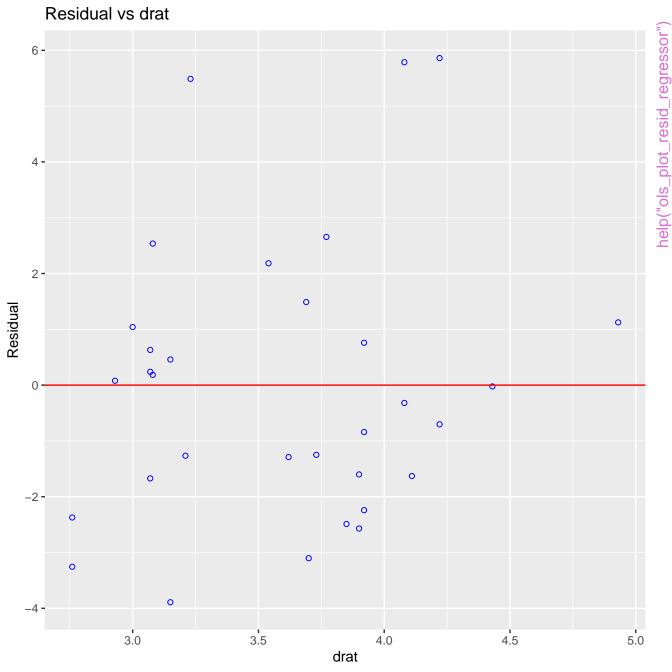
Outlier and Leverage Diagnostics for read Leverage Threshold: 0.04 help("ols_plot_resid_lev") Outlier Threshold: 2 3 -115 0 32 21 136 O 000 Observation *37* **o** RStudent 0 normal leverage 0 *31* **o** 08 *3* 0 outlier 00 0 outlier & leverage 0 178 141 • 82 0 -3 **-**-6 **-**0.02 0.06 0.08 0.04 Leverage

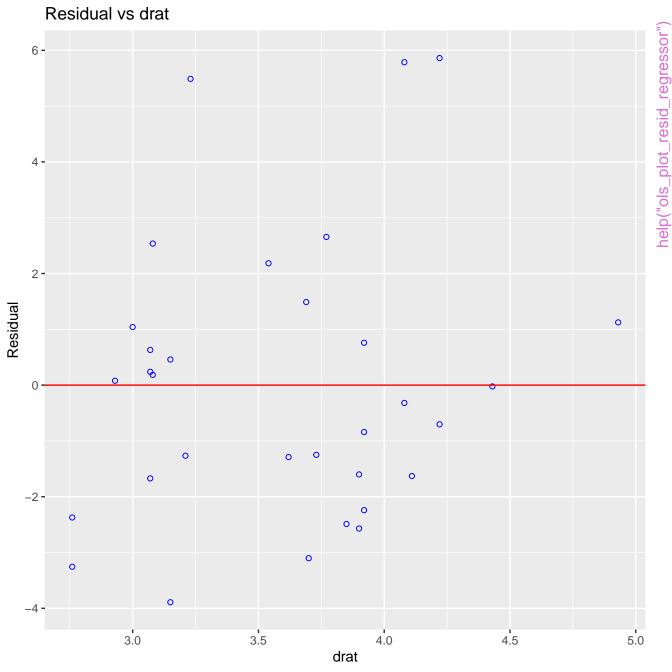
Outlier and Leverage Diagnostics for read Leverage Threshold: 0.04 help("ols_plot_resid_lev") Outlier Threshold: 3 *1* **o** Observation 194 0 normal o leverage o % -3





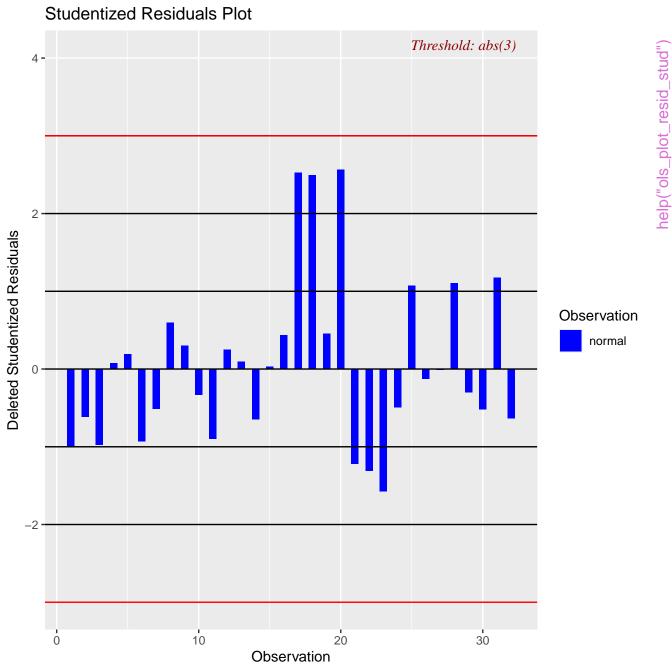


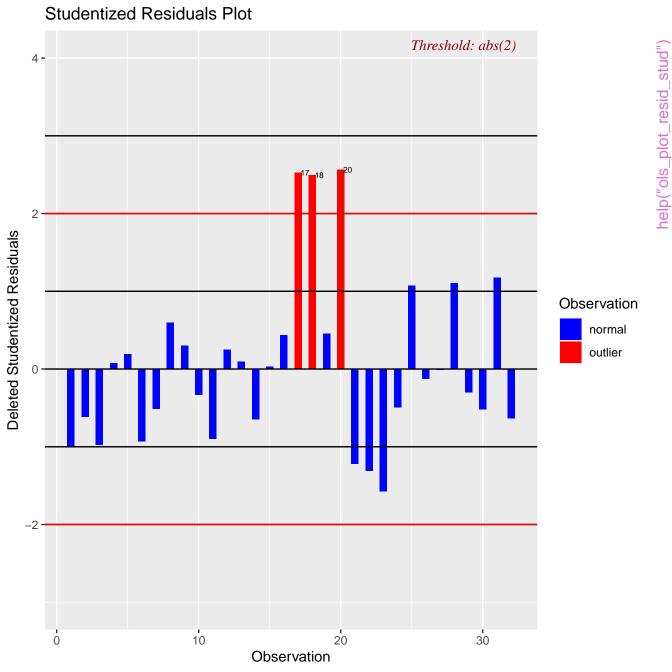




Standardized Residuals Chart Threshold: abs(2) help("ols_plot_resid_stand") **9**20 917918 1 -Standardized Residuals _1 **-**10 20 30 Observation

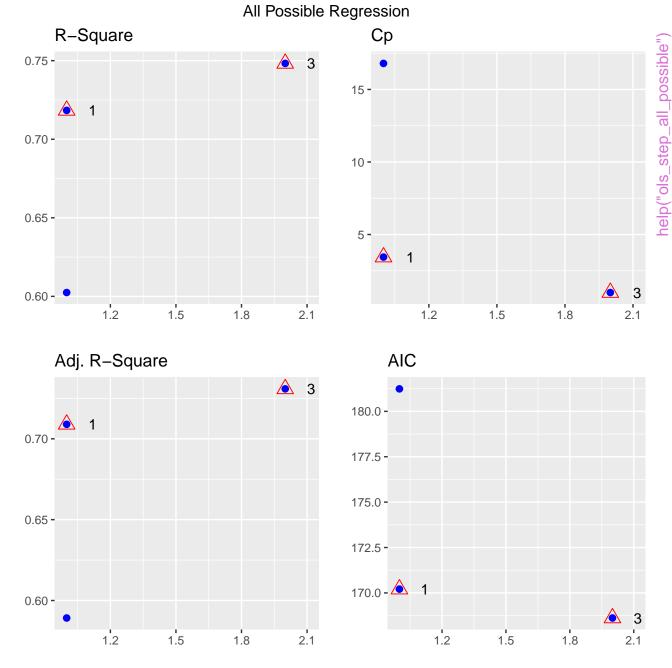
Standardized Residuals Chart Threshold: abs(3) help("ols_plot_resid_stand") 2 -Standardized Residuals -2 **-**10 20 30 Observation



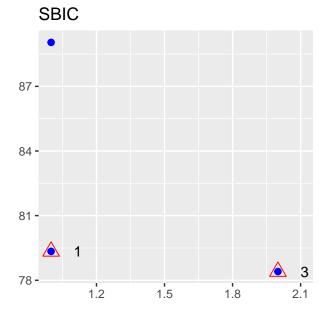


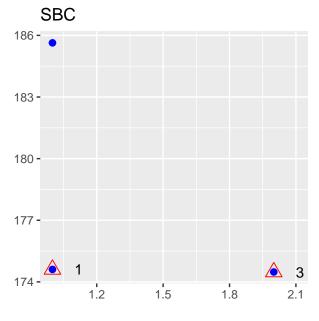
Deleted Studentized Residual vs Predicted Values help("ols_plot_resid_stud_fit") Threshold: abs(3) 2 -Deleted Studentized Residual Observation normal -2 **-**10 15 20 25 30 Predicted Value

Response Diagnostics Dot Plot of mpg Trend Plot of mpg 35 help("ols_plot_response") 1.00 -30 -0.75 -25 conut mpg 20 -0.25 -15 **-**10 -0.00 -10 30 10 15 20 25 30 35 20 mpg Observation Histogram of mpg Boxplot of mpg 35 -30 -10 -25 count mpg 20 -5 -15 **-**0 -20 10 30 10mpg



All Possible Regression

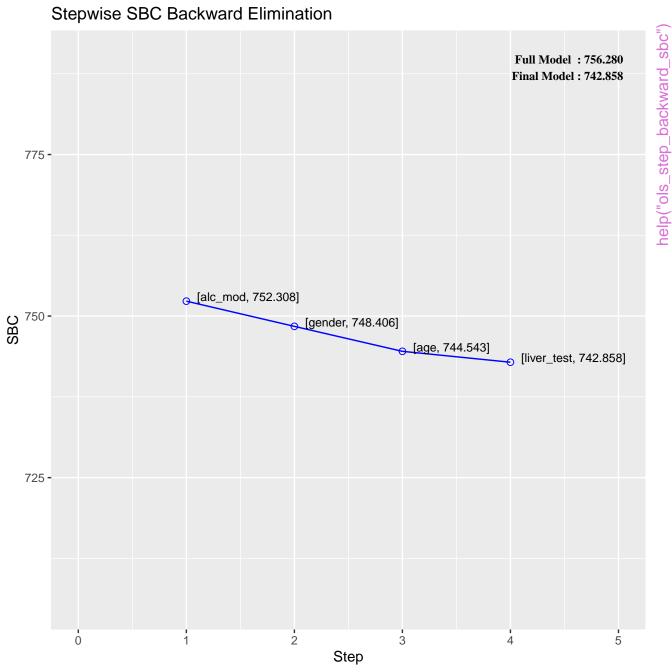


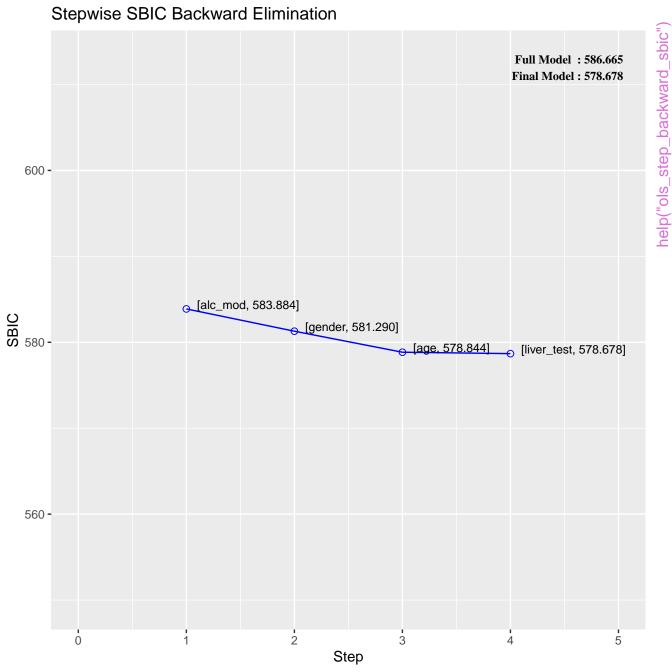


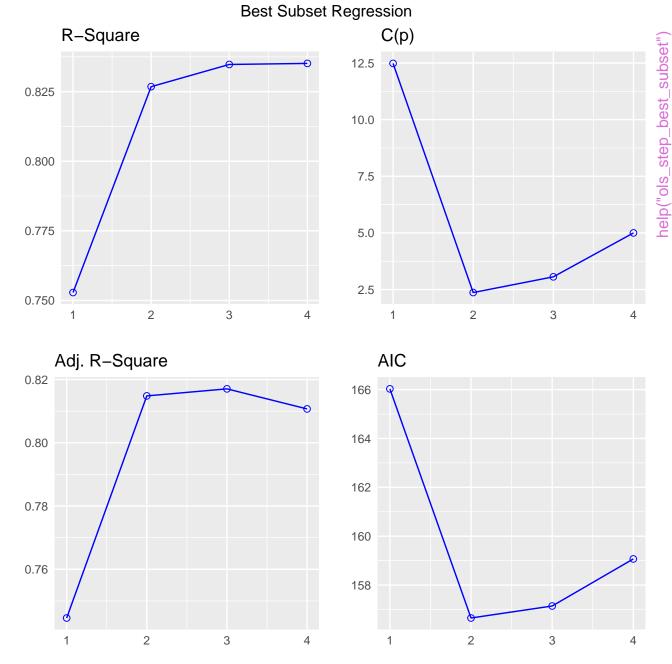
Stepwise AIC Backward Elimination help("ols_step_backward_aic") Full Model: 736.390 770 -**Final Model: 730.620** 750 -[alc_mod, 734.407] [gender, 732.494] [age, 730.620] 730 -710 -2 3 Ö Step

Stepwise Backward Regression R-Square Akaike Information Criteria help("ols_step_backward_p") 0.82 -770 -Full Model: 736.390 Full Model: 0.782 Final Model: 0.781 **Final Model: 730.620** Adjusted R-Square 0.80 -750 **-**R-Square 0.78 -[alc_mod, 句g@2der, 0.784] 730 -0.76 -710 -0.74 -3 2 ó 3 0 Step Step Adjusted R-Square Root Mean Squared Error 0.800 -Full Model: 0.743 Full Model: 183.883 Final Model: 0.758 **Final Model: 184.276** 190 -0.775 -Adjusted R-Square RMS 185 age, 0.7581 claic_mod, 4 sepoden, 18 19061 184.276 [gender, 0.754] 0.750 alc_mod, 0.749] 180 **-**0.725 -175 **-**2 2 3 0 3 0 Step Step

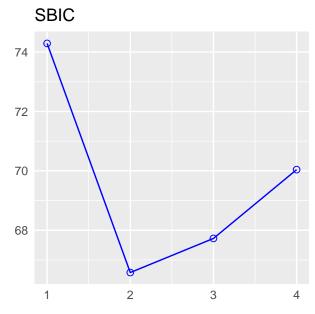
Stepwise Backward Regression R-Square Akaike Information Criteria help("ols_step_backward_p") 820 -0.45 -Full Model: 0.429 Full Model: 782.350 **Final Model: 778.574** Final Model: 0.427 Adjusted R-Square 0.44 -R-Square 0.43 -[alc_mod, 780.350], 778.574] Claic mod, 0.429 [age, 0.427] 0.42 -0.41 -740 -Ö 0 2 2 1 Step Step Adjusted R-Square Root Mean Squared Error 0.41 -Full Model: 0.369 Full Model: 297.500 310 -Final Model: 0.392 **Final Model: 298.117** Adjusted R-Square 0.40 -RMS 300 -²[age, 0.392] 0.39 -O[alc_mod, 297.509e, 298.117] [©][alc_mod, 0.382] 0.38 -290 -0.37 -0 0 2 1 2 Step Step

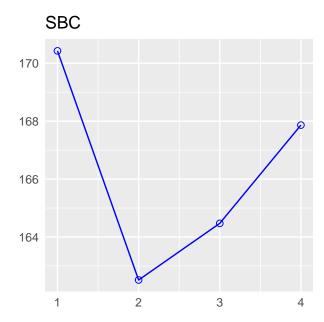


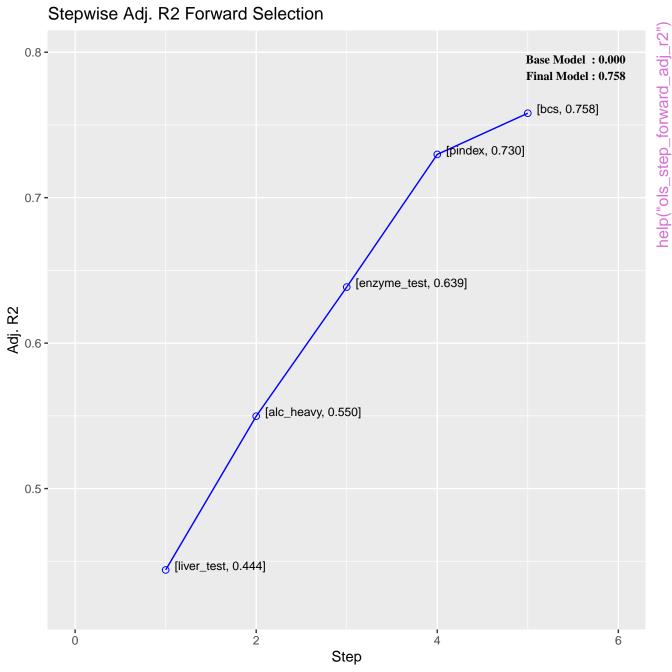




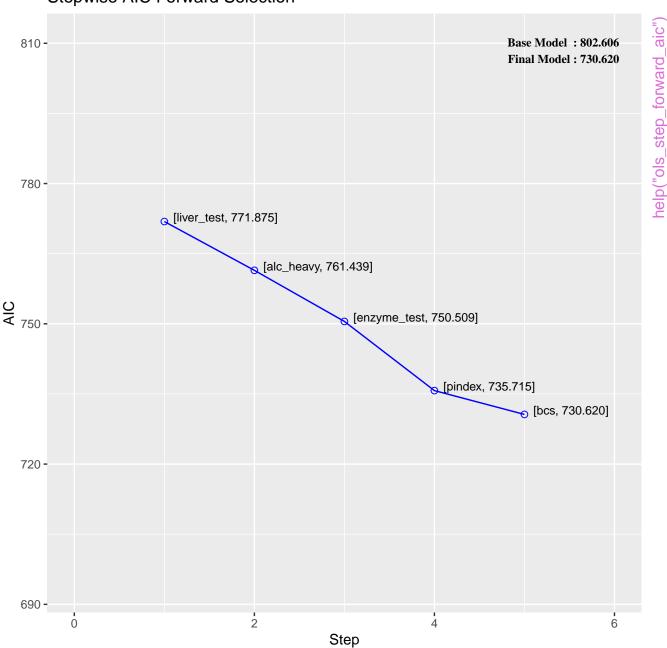
Best Subset Regression



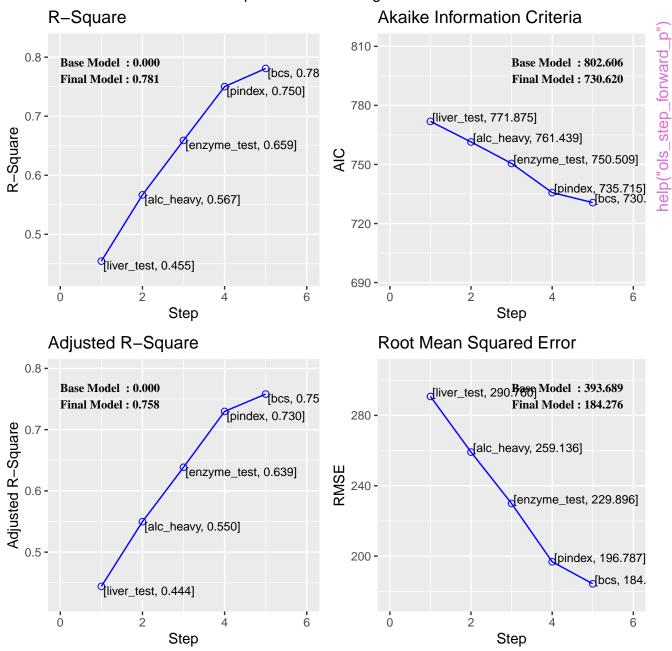




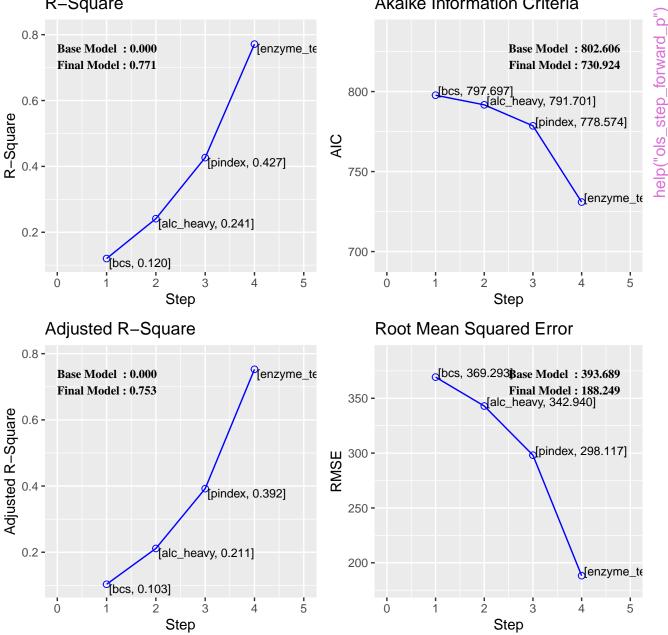
Stepwise AIC Forward Selection



Stepwise Forward Regression R-Square



Stepwise Forward Regression Akaike Information Criteria R-Square 0.8 enzyme_te Base Model: 0.000



Stepwise SBC Forward Selection help("ols_step_forward_sbc") Base Model: 806.584 **Final Model: 744.543** 800 -[liver_test, 777.842] 775 -[alc_heavy, 769.395] SBC [enzyme_test, 760.454] 750 -[pindex, 747.649] € [bcs, 744.543] 725 -2 0 Step

Stepwise SBIC Forward Selection help("ols_step_forward_sbic") 650 **-**Base Model: 646.794 **Final Model: 578.844** 625 -Q[liver_test, 616.009] [alc_heavy, 605.506] 600 -[enzyme_test, 595.297] [pindex, 582.943] (bcs, 579.638) 575 **-**550 -2 0 4 Step

Residual vs drat 6 -help("rvsr_plot_shiny") 4 -2 -Residual જ -2 **-**0 0 -4 **-**5.0 3.0 3.5 4.0 4.5 drat