All Subset Regression



Best Subsets Regression


Residual Histogram



## Actual vs Fitted for mpg





Residual Box Plot

6-

4-

-2-
-4 -

-2.5-

Residual Fit Spread Plot


Normal Q-Q Plot


## Residual vs Fitted Values



Residual vs drat


Cook's D Bar Plot



Influence Diagnostics for (Intercept)


Influence Diagnostics for hp


Influence Diagnostics for qsec

Influence Diagnostics for disp



Influence Diagnostics for mpg


Residual vs Predicted Values


Outlier and Leverage Diagnostics for


Observed by Predicted for mpg

Residual Histogram


Residual Fit Spread Plot

$\underset{\simeq}{\approx} \quad$ Deleted Studentized Residual vs Pred
 Observation

- normal
- outlier

Cook's D Chart

Residual Box Plot


Influence Diagnostics for mpg


Residual vs drat


Fit - Mean
Residual



## Response Diagnostics

Dot Plot of mpg


Histogram of mpg


Trend Plot of mpg


Boxplot of mpg


Stepwise AIC Backward Elimination


## Stepwise AIC Forward Selection



Stepwise AIC Both Direction Selection


Stepwise Backward Regression

## R-Square



C(p)


## SBIC



Adj. R-Square



## SBC



Stepwise Forward Regression

R-Square


Adj. R-Square


C(p)



## SBIC



## Stepwise Regression

## R-Square


$\mathrm{C}(\mathrm{p})$


SBIC


Adj. R-Square



SBC


Standardized Residuals Chart


Studentized Residuals Plot



Regression Line


