lm(sqrt(incidents) ~ service + year)
Theoretical Quantiles

lm(sqrt(incidents) ~ service + year)
lm(sqrt(incidents) ~ service + year)
lm(sqrt(incidents) ~ service + year)

Residuals vs Leverage

Cook's distance

Standardized residuals vs Leverage
lm(sqrt(incidents) ~ sqrt(service) + year)
Theoretical Quantiles

lm(sqrt(incidents) ~ sqrt(service) + year)
lm(sqrt(incidents) ~ sqrt(service) + year)
Residuals vs Leverage

lm(sqrt(incidents) ~ sqrt(service) + year)

Cook's distance

Standardized residuals vs Leverage
lm(dollars ~ pay)
Theoretical Quantiles

lm(dollars ~ pay)

Standardized residuals

Normal Q–Q

NJ, CA, MI
lm(dollars ~ pay)
Leverage: Standardized residuals

LM(dollars ~ pay)

Cook's distance

Residuals vs Leverage

NJ

CA

MI

Cook's distance
Box–Cox Transformation Results:
PPCC vs. lambda for lm(Volume ~ Height + Girth, data = trees)
lm(FIQ ~ TOTVOL)
Theoretical Quantiles

Standardized residuals

lm(FIQ ~ TOTVOL)
lm(FIQ ~ TOTVOL)
Residuals vs Leverage

- LM(FIQ ~ TOTVOL)
- Cook's distance
- Standardized residuals
lm(log(FIQ) ~ log(TOTVOL))

Residuals vs Fitted

Residuals

Fitted values

Im(log(FIQ) ~ log(TOTVOL))
Theoretical Quantiles
Im(\log(FIQ) \sim \log(TOTVOL))

Normal Q–Q

Standardized residuals
lm(log(FIQ) ~ log(TOTVOL))
Leverage

Standardized residuals

lm(log(FIQ) ~ log(TOTVOL))

Cook's distance

Residuals vs Leverage

averaged.1

averaged.4

averaged.7

Leverage

Im(log(FIQ) ~ log(TOTVOL))

Standardized residuals vs Leverage