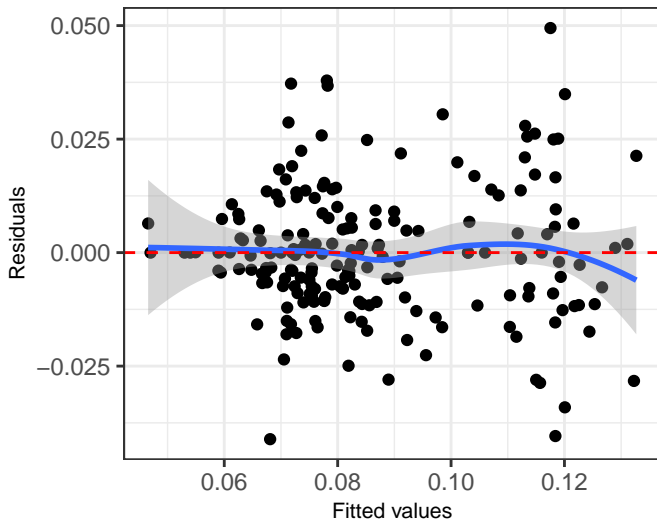
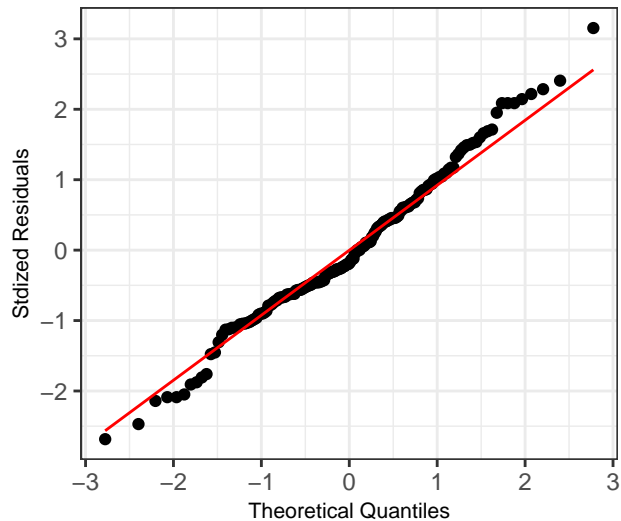


# Diagnostic plots 1

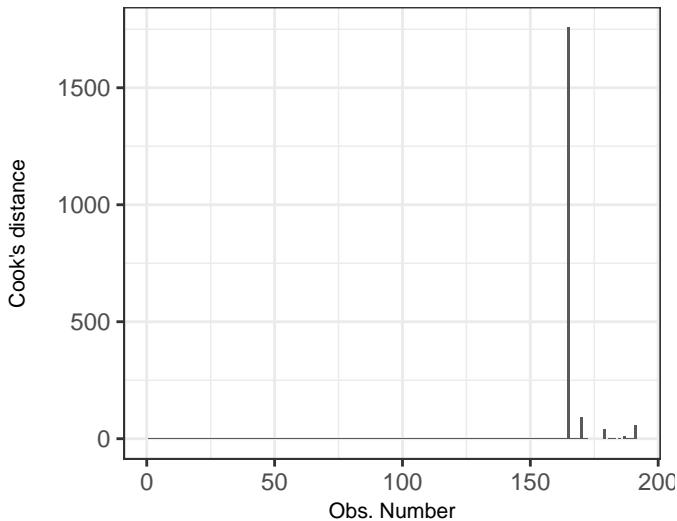
Residual vs Fitted Plot



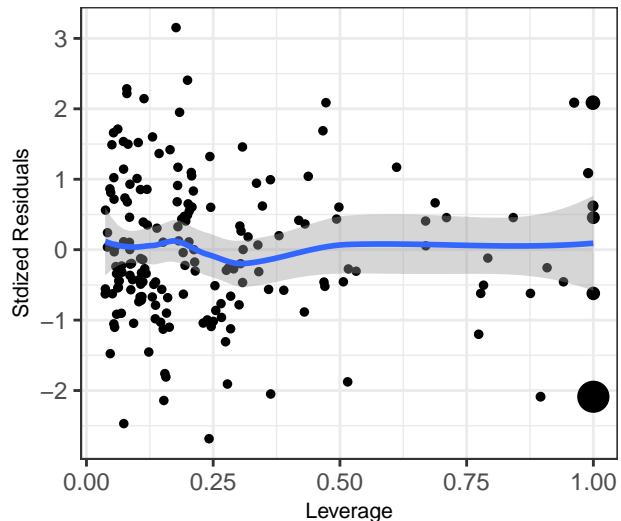
Normal Q-Q



Cook's distance



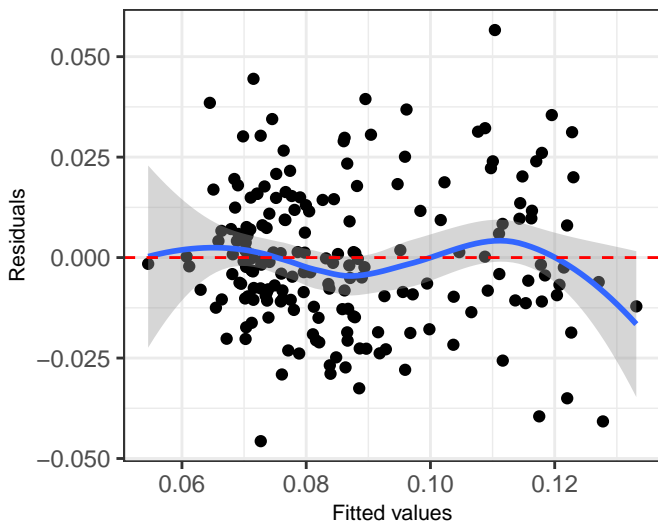
Residual vs Leverage Plot



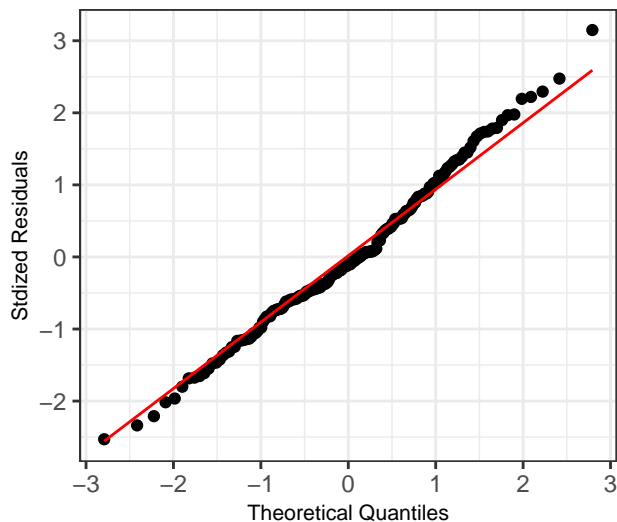
Cook's Distance    ● 500    ● 1000    ● 1500

## Diagnostic plots 2

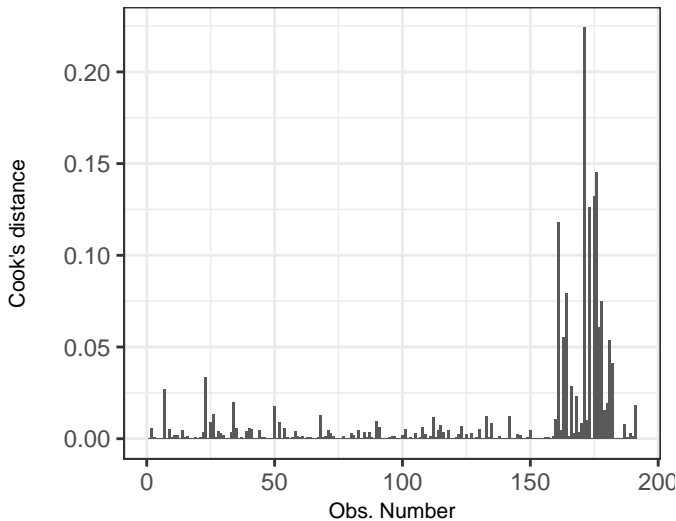
Residual vs Fitted Plot



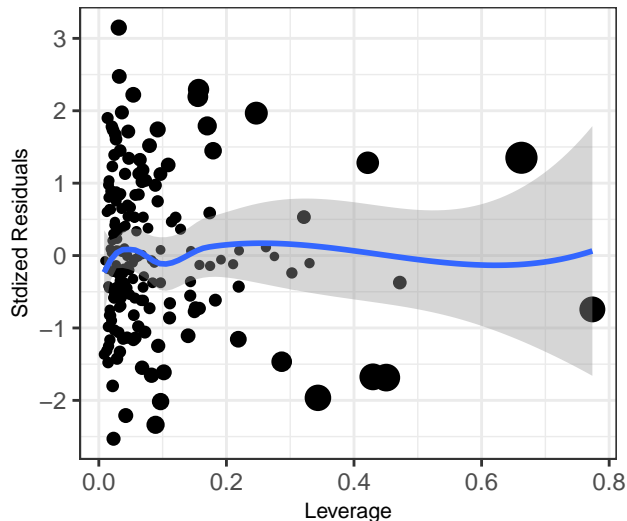
Normal Q-Q



Cook's distance



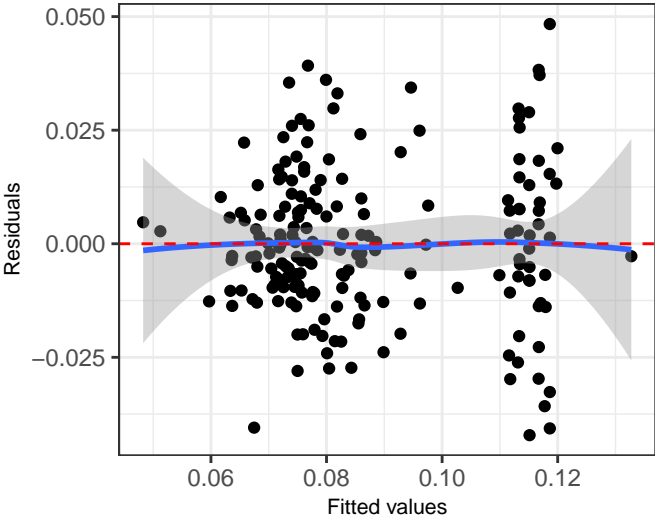
Residual vs Leverage Plot



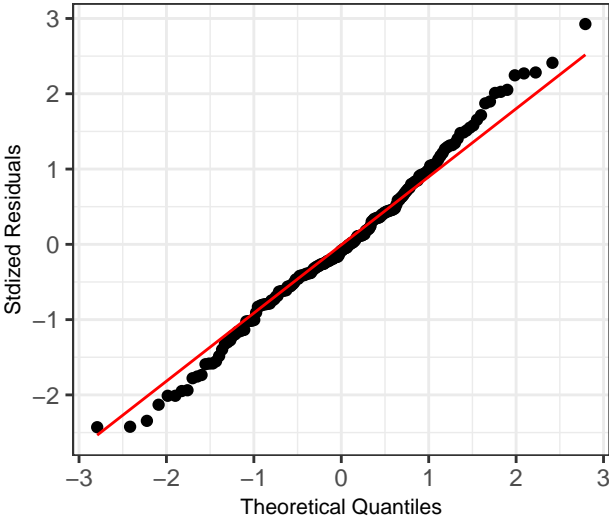
Cook's Distance    ● 0.05    ● 0.10    ● 0.15    ●

# Diagnostic plots 3

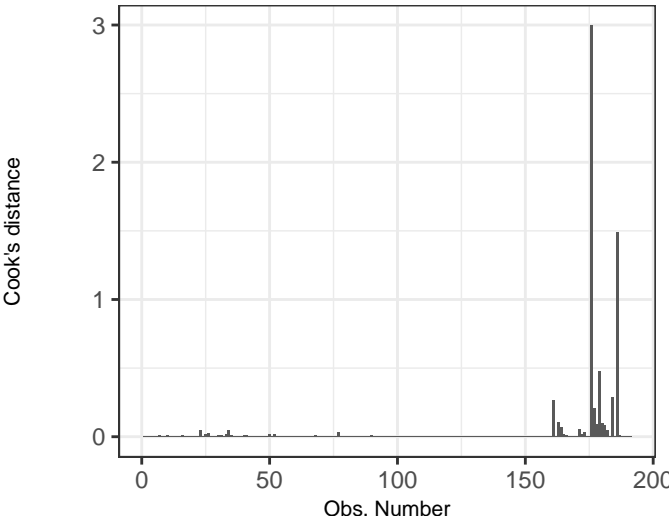
Residual vs Fitted Plot



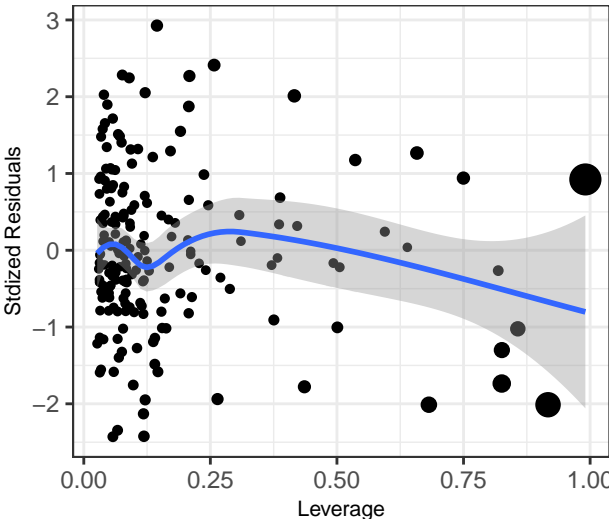
Normal Q-Q



Cook's distance



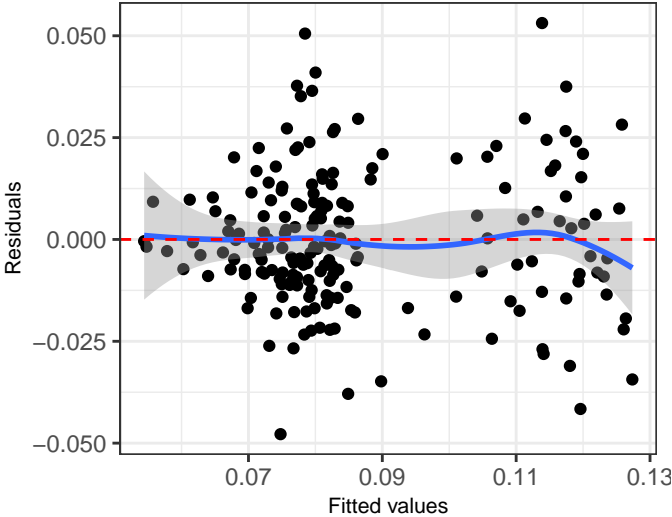
Residual vs Leverage Plot



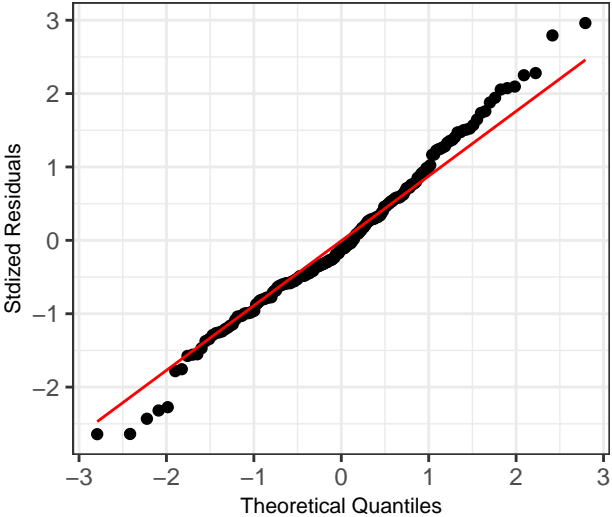
Cook's Distance ● 1 ● 2

# Diagnostic plots 4

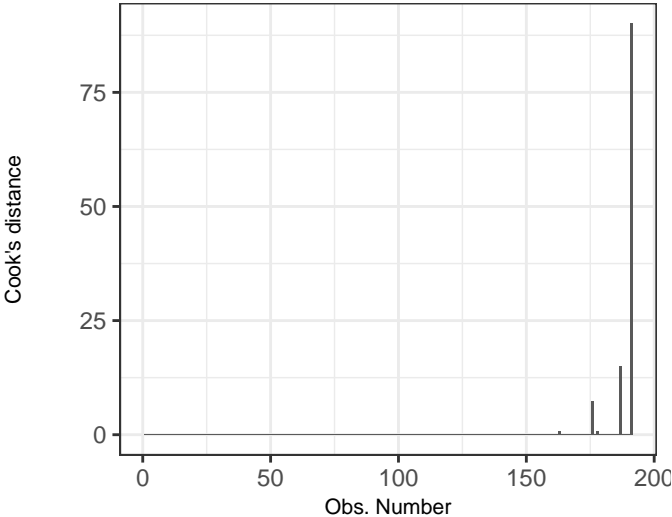
Residual vs Fitted Plot



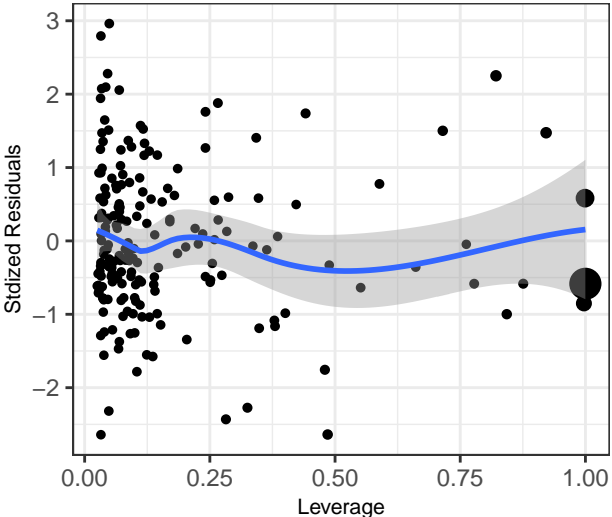
Normal Q-Q



Cook's distance



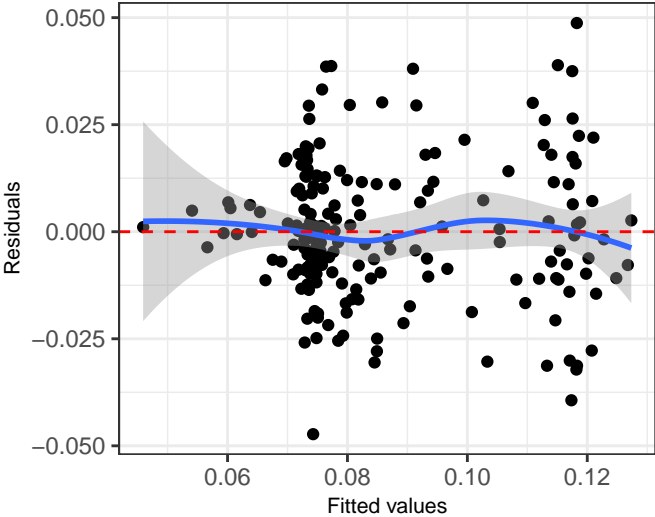
Residual vs Leverage Plot



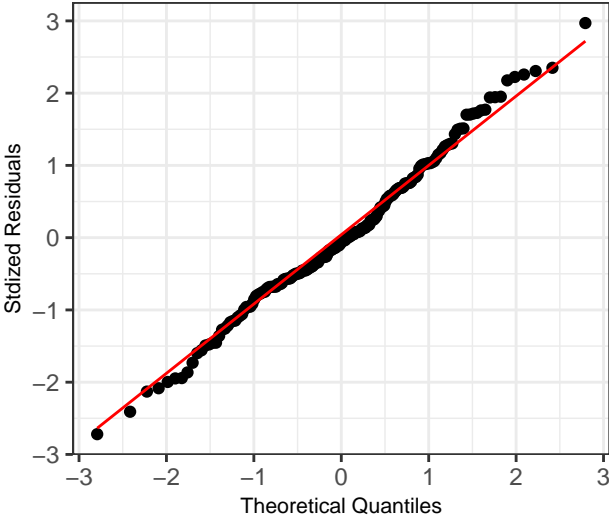
Cook's Distance    ● 25    ● 50    ● 75

# Diagnostic plots 5

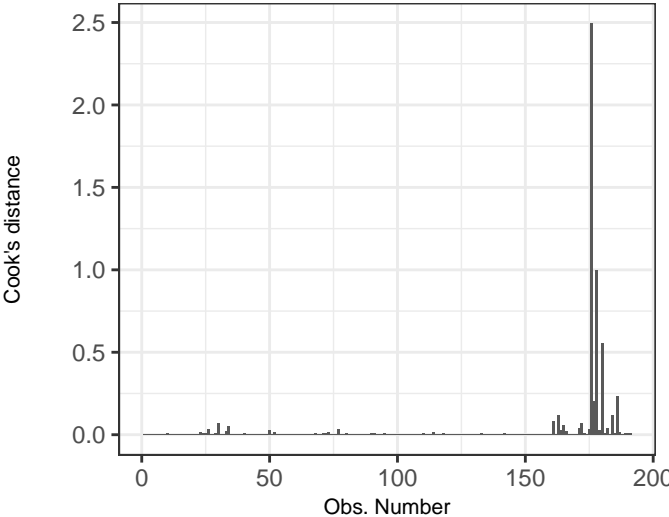
Residual vs Fitted Plot



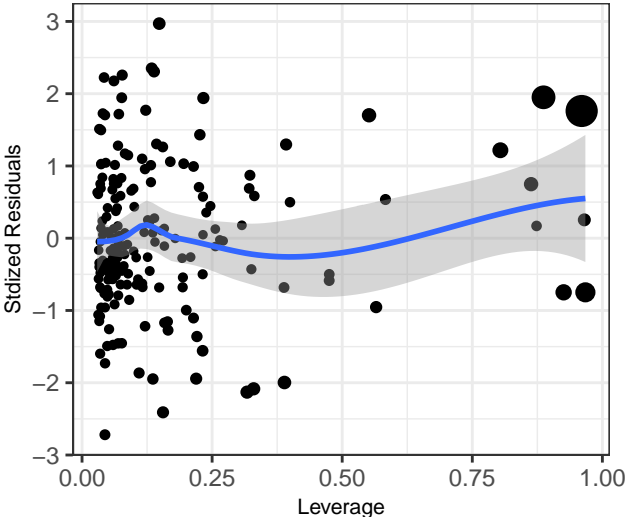
Normal Q-Q



Cook's distance



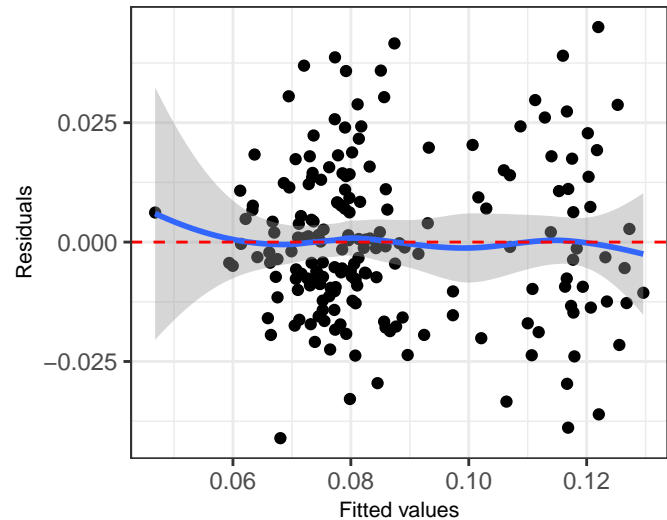
Residual vs Leverage Plot



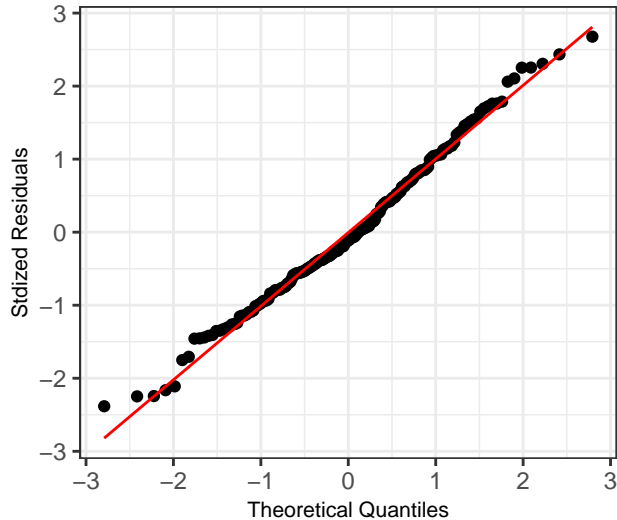
Cook's Distance    ● 0.5    ● 1.0    ● 1.5    ● 2

# Diagnostic plots 6

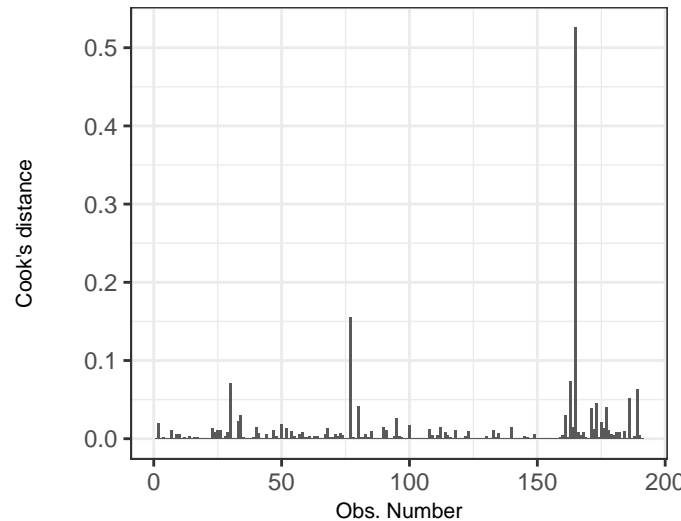
Residual vs Fitted Plot



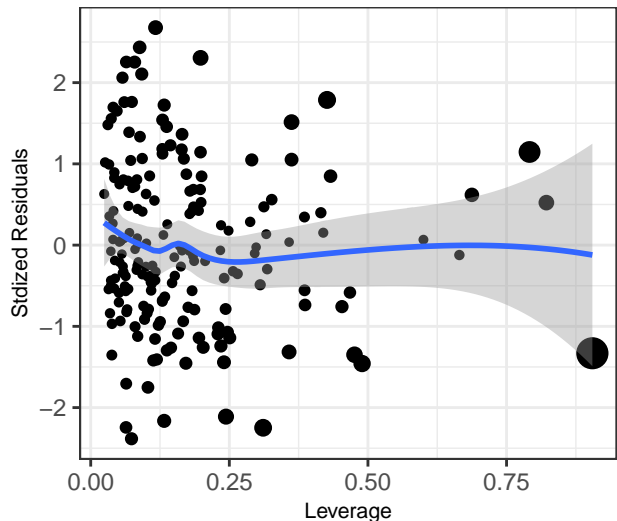
Normal Q-Q



Cook's distance



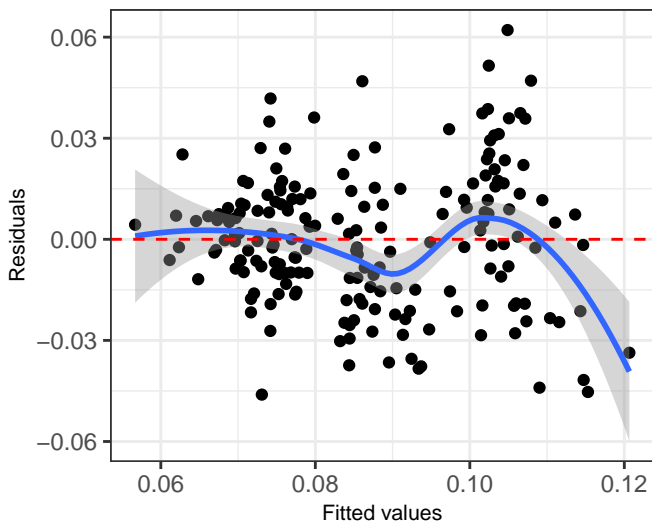
Residual vs Leverage Plot



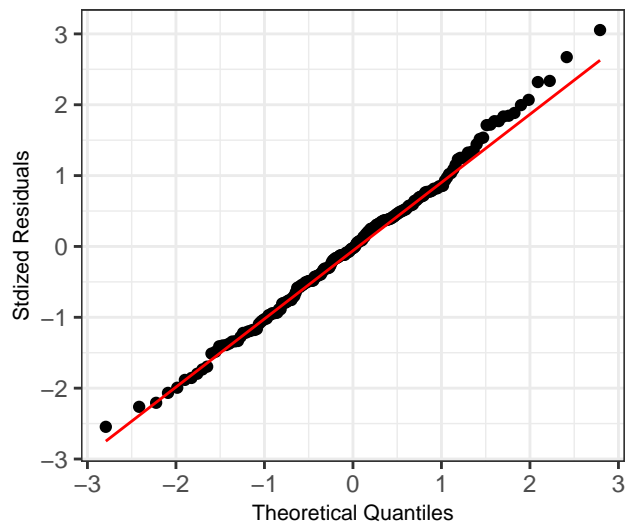
Cook's Distance    ● 0.1    ● 0.2    ● 0.3    ● 0.4    ●

# Diagnostic plots 7

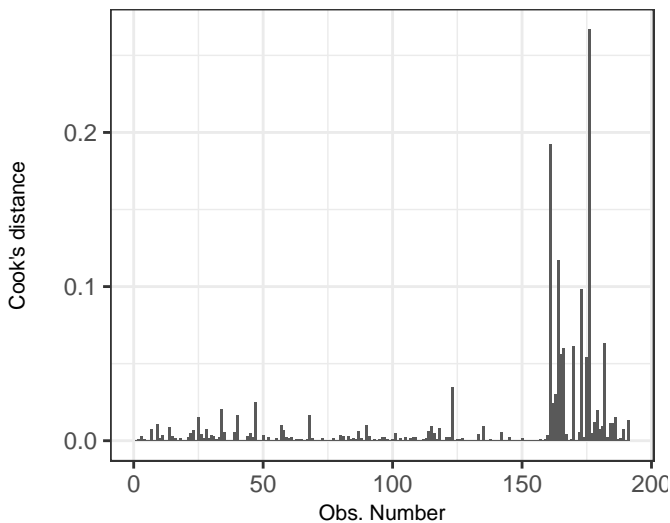
Residual vs Fitted Plot



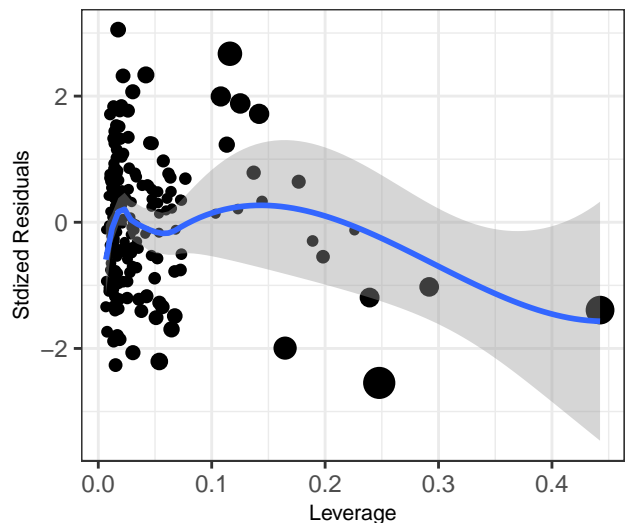
Normal Q-Q



Cook's distance



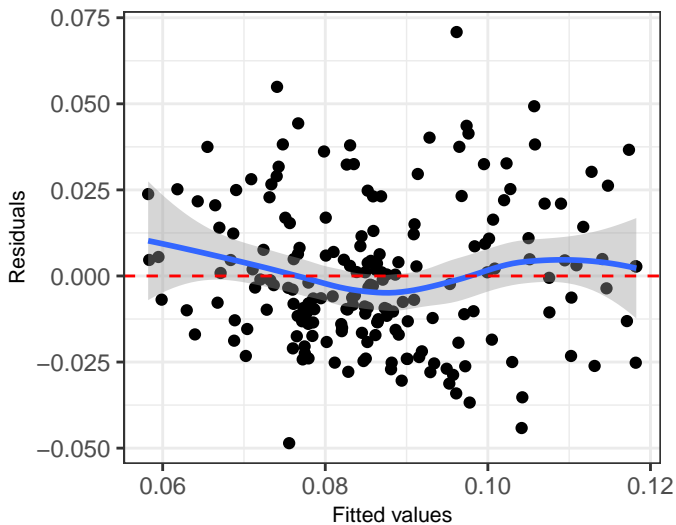
Residual vs Leverage Plot



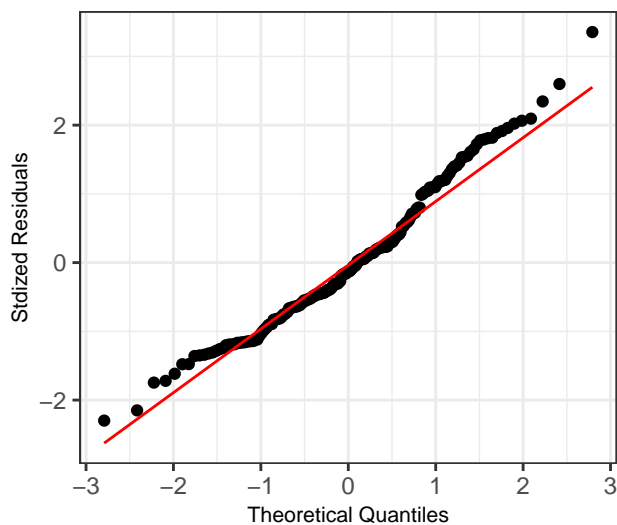
Cook's Distance    ● 0.05    ● 0.10    ● 0.15    ● 0.20

# Diagnostic plots 8

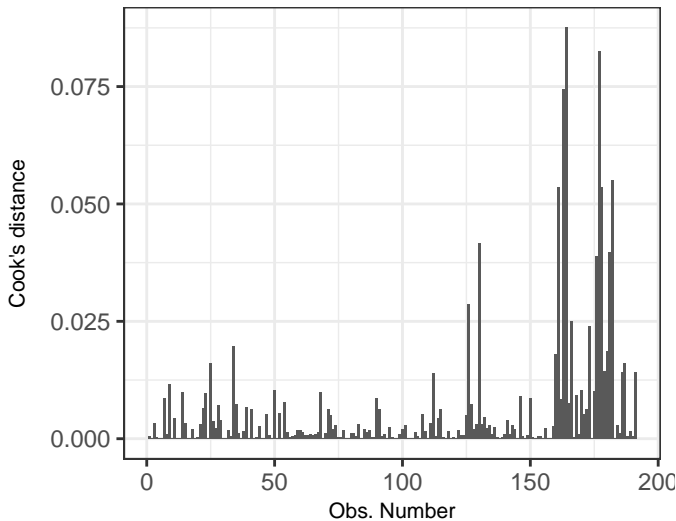
Residual vs Fitted Plot



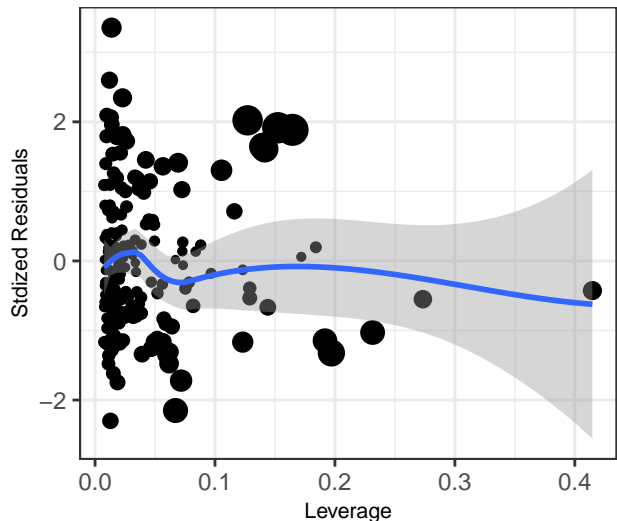
Normal Q-Q



Cook's distance



Residual vs Leverage Plot

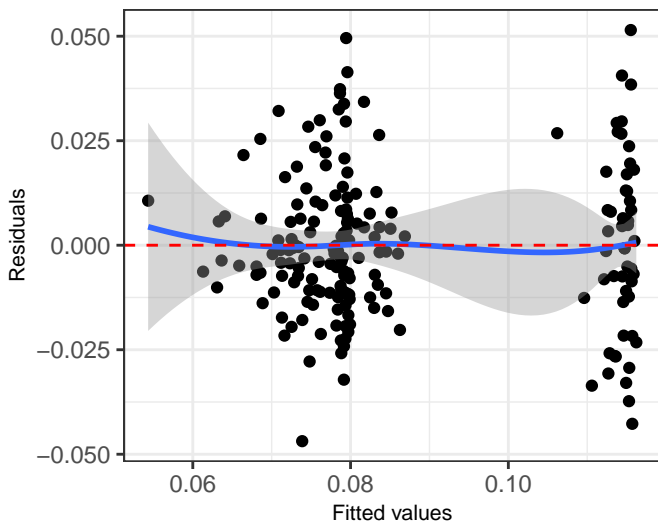


Cook's Distance    ● 0.02    ● 0.04    ● 0.06    ●

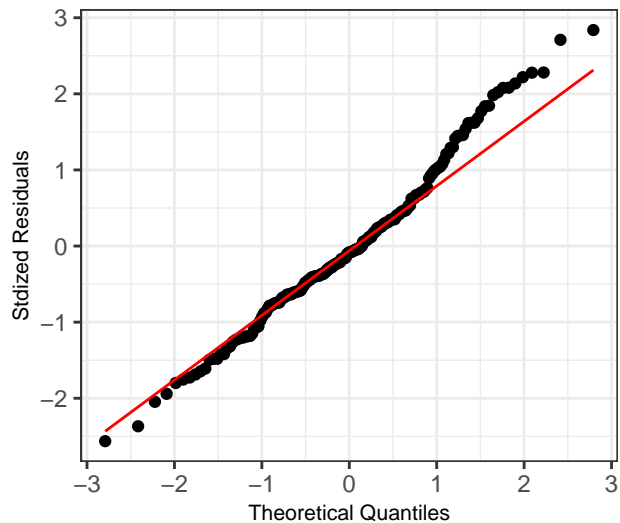


# Diagnostic plots 9

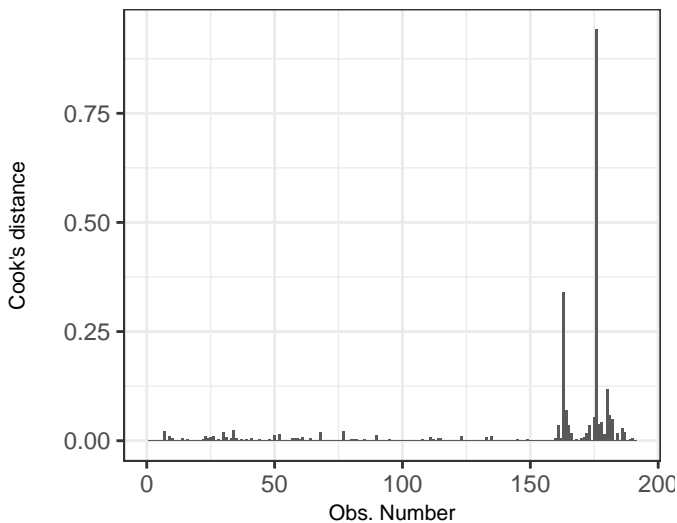
Residual vs Fitted Plot



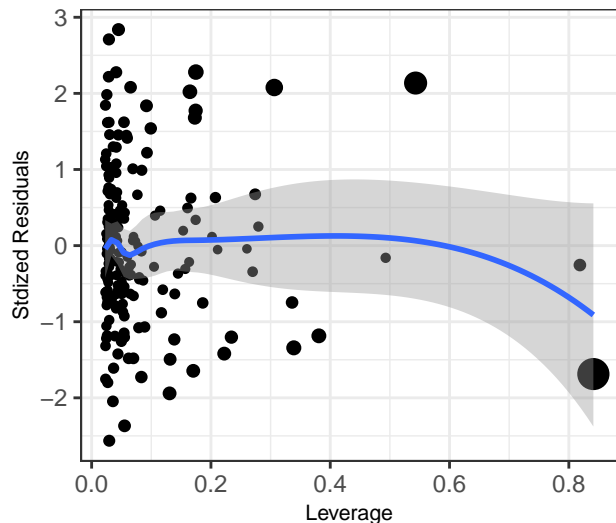
Normal Q-Q



Cook's distance



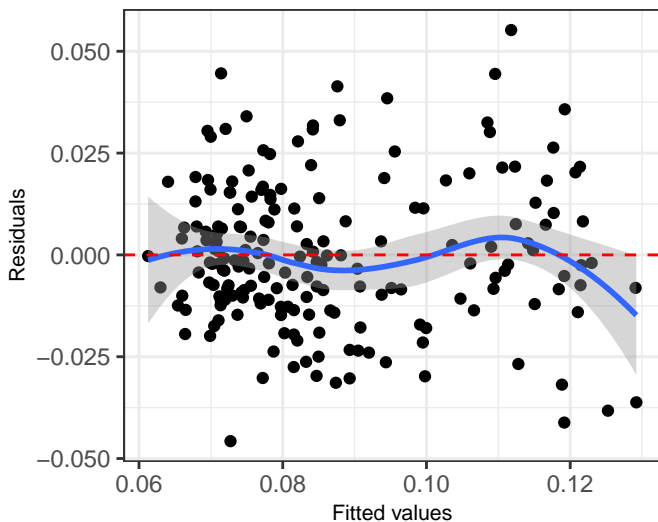
Residual vs Leverage Plot



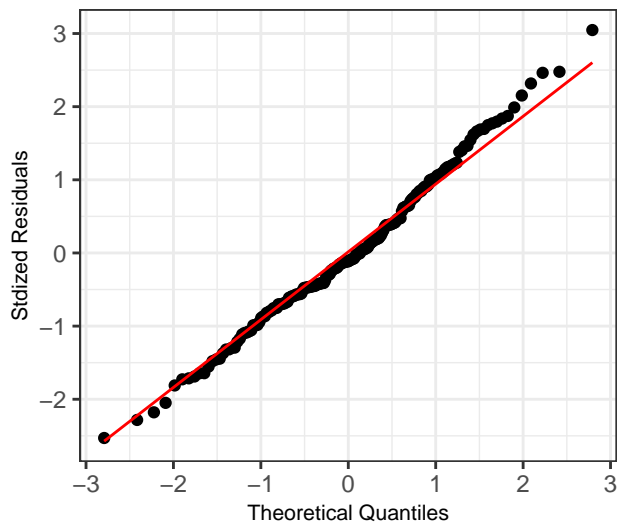
Cook's Distance ● 0.25 ● 0.50 ● 0.75

# Diagnostic plots 10

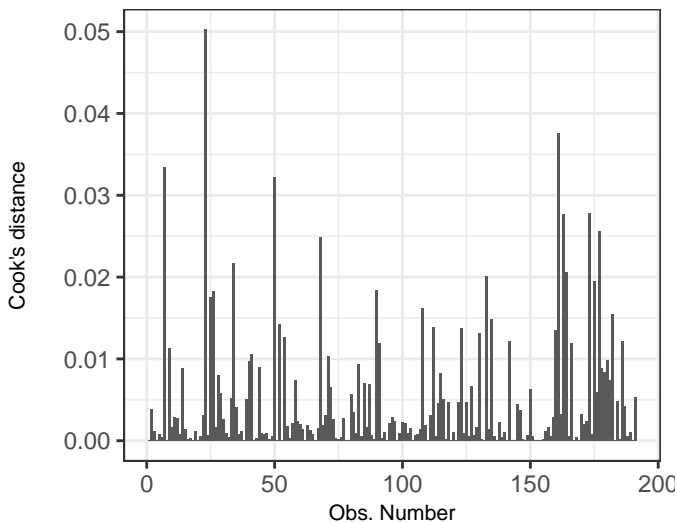
Residual vs Fitted Plot



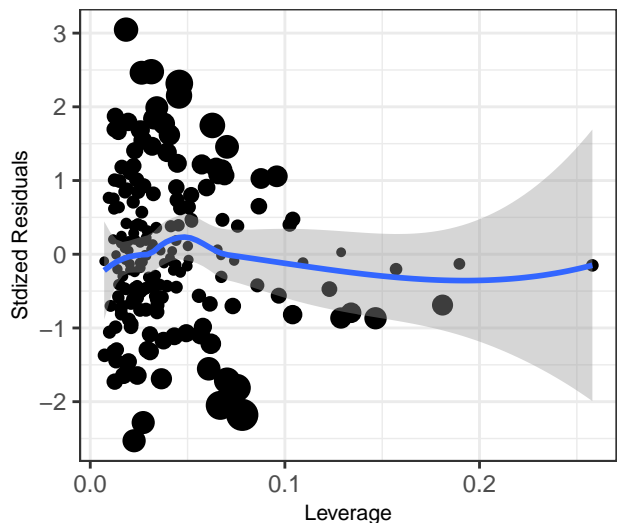
Normal Q-Q



Cook's distance



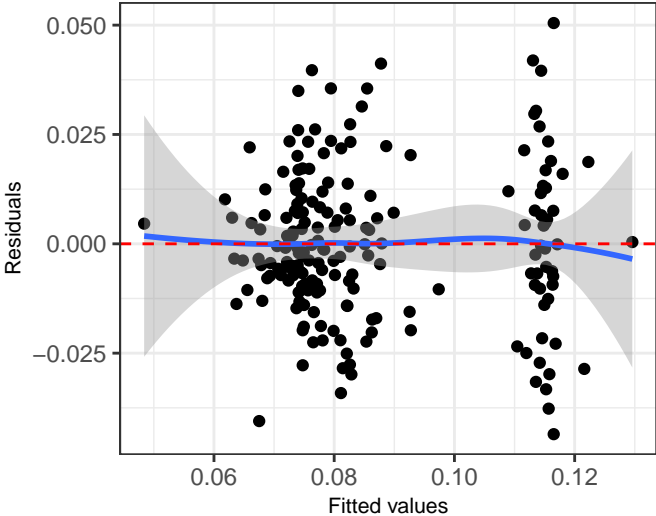
Residual vs Leverage Plot



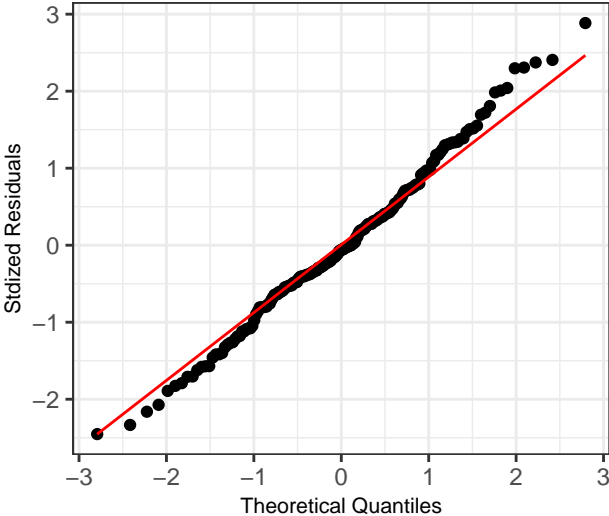
Cook's Distance    ● 0.01    ● 0.02    ● 0.03    ● 0.04

# Diagnostic plots 11

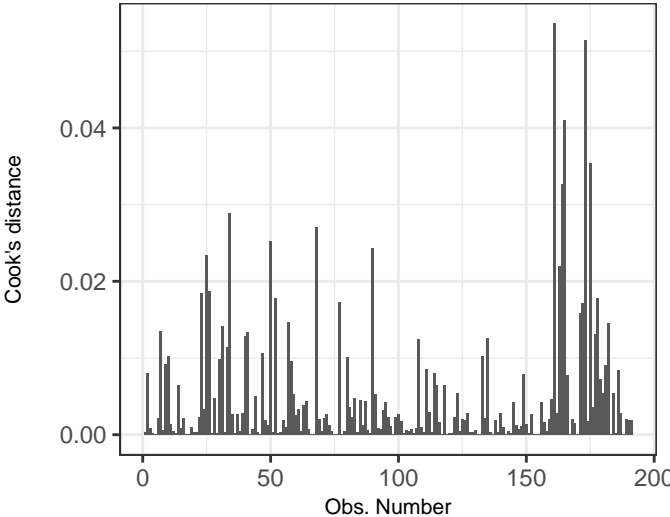
Residual vs Fitted Plot



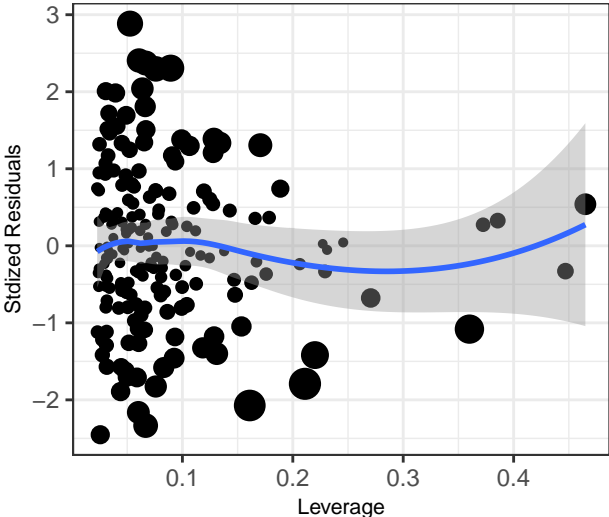
Normal Q-Q



Cook's distance



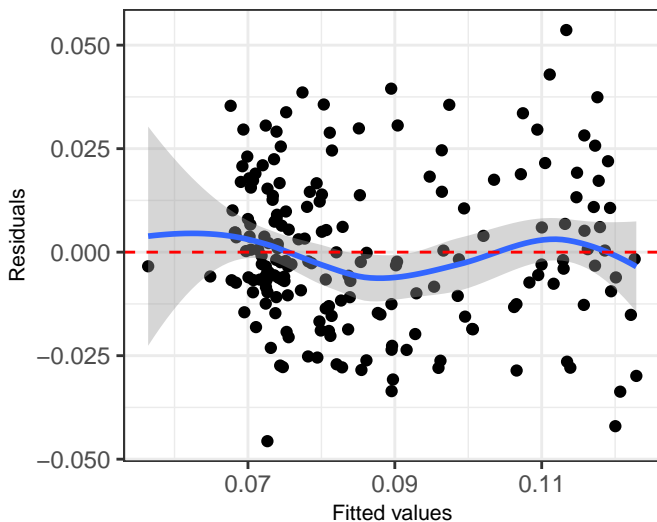
Residual vs Leverage Plot



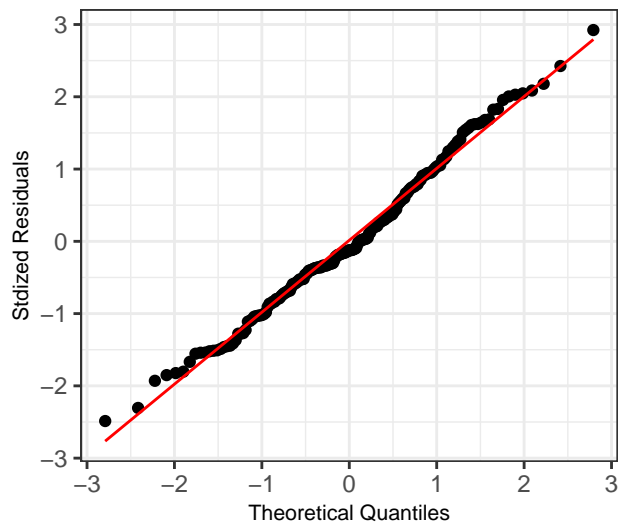
Cook's Distance    ● 0.01    ● 0.02    ● 0.03    ● 0.04

# Diagnostic plots 12

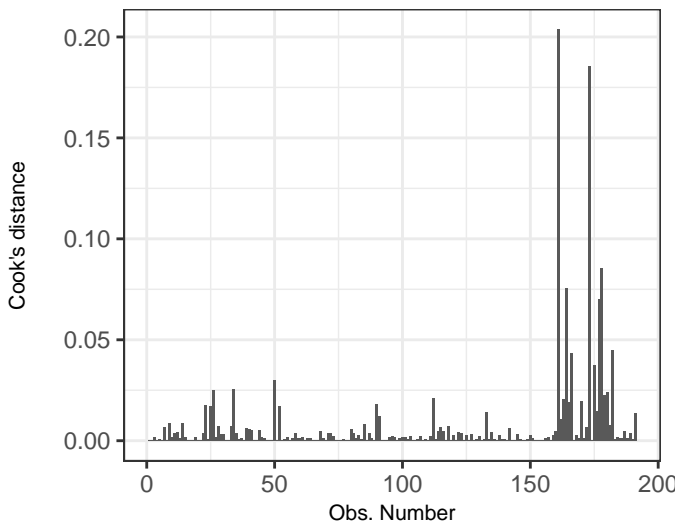
Residual vs Fitted Plot



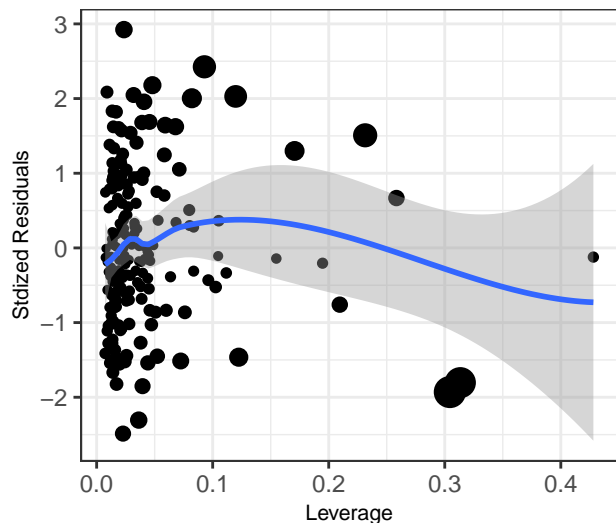
Normal Q-Q



Cook's distance



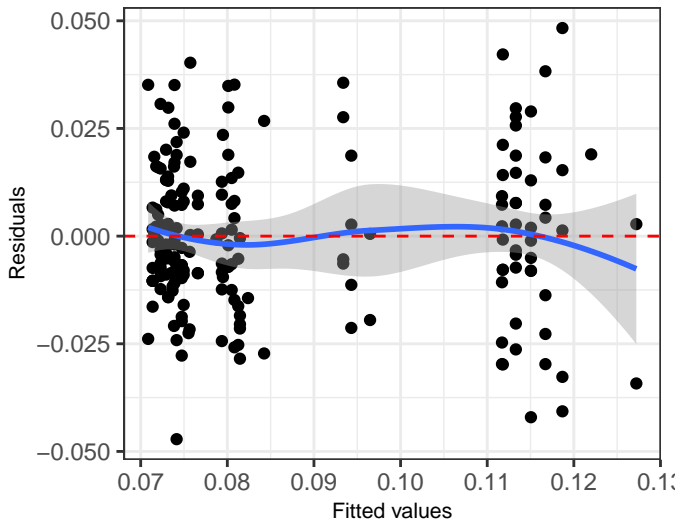
Residual vs Leverage Plot



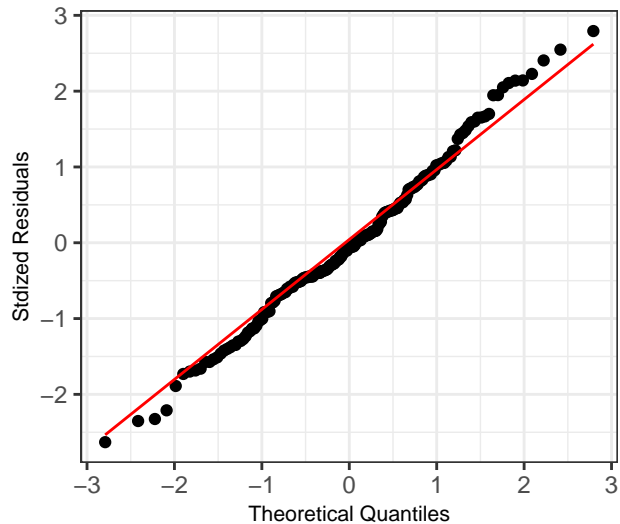
Cook's Distance    ● 0.05    ● 0.10    ● 0.15    ●

# Diagnostic plots 13

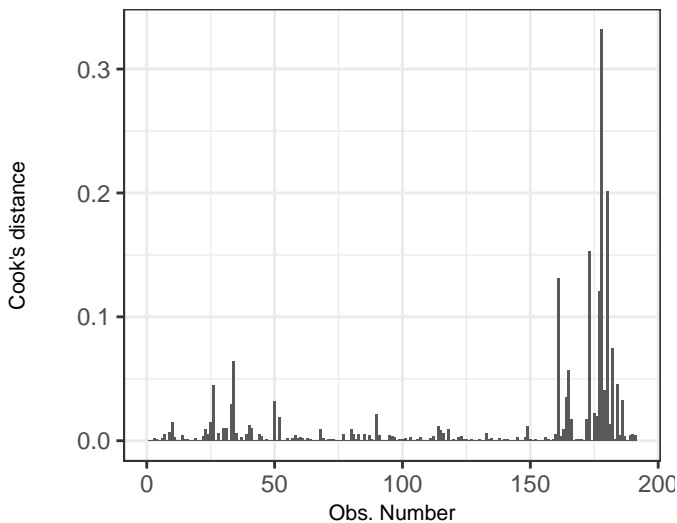
Residual vs Fitted Plot



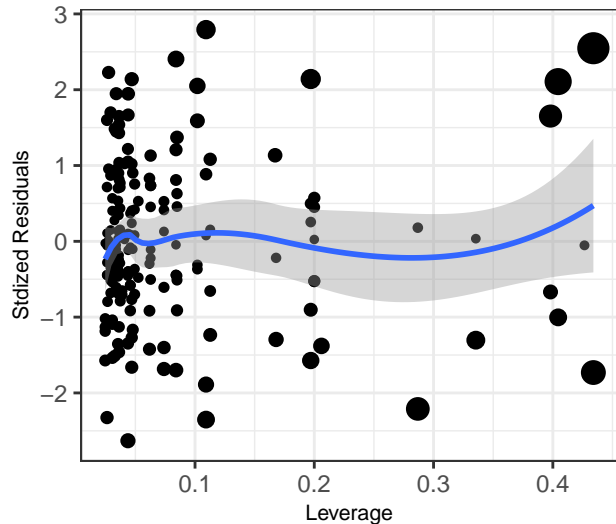
Normal Q-Q



Cook's distance



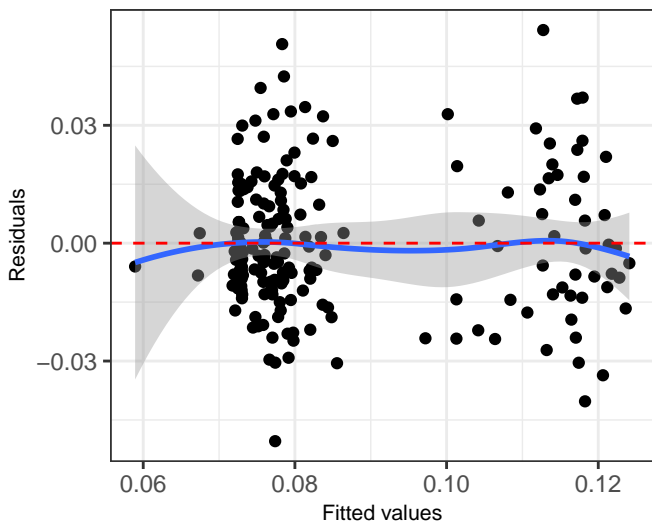
Residual vs Leverage Plot



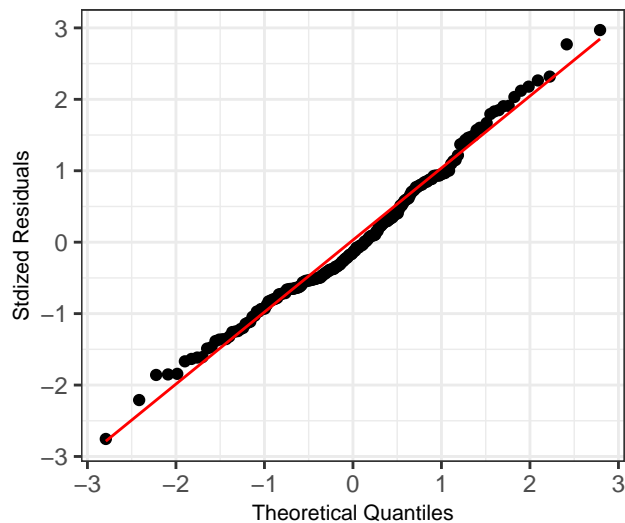
Cook's Distance ● 0.1 ● 0.2 ● 0.3

# Diagnostic plots 14

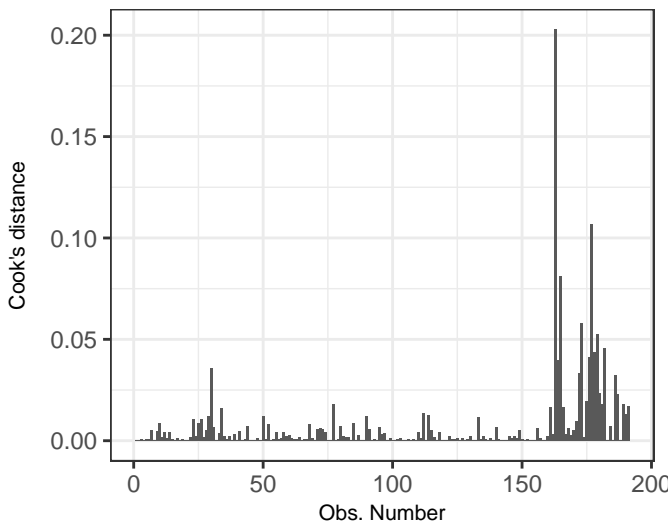
Residual vs Fitted Plot



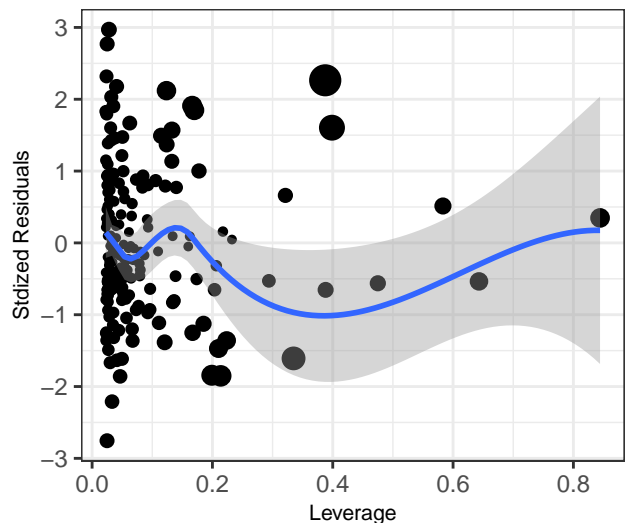
Normal Q-Q



Cook's distance



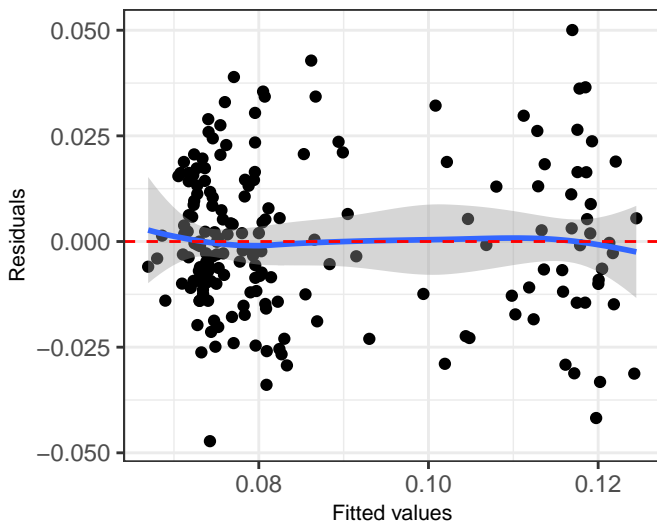
Residual vs Leverage Plot



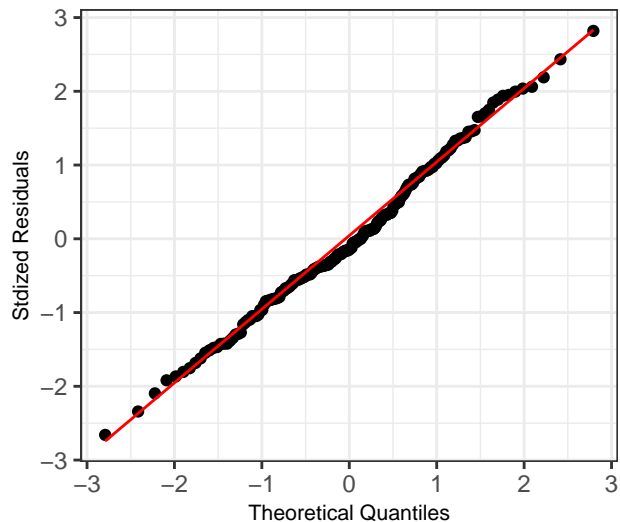
Cook's Distance    ● 0.05    ● 0.10    ● 0.15    ●

# Diagnostic plots 15

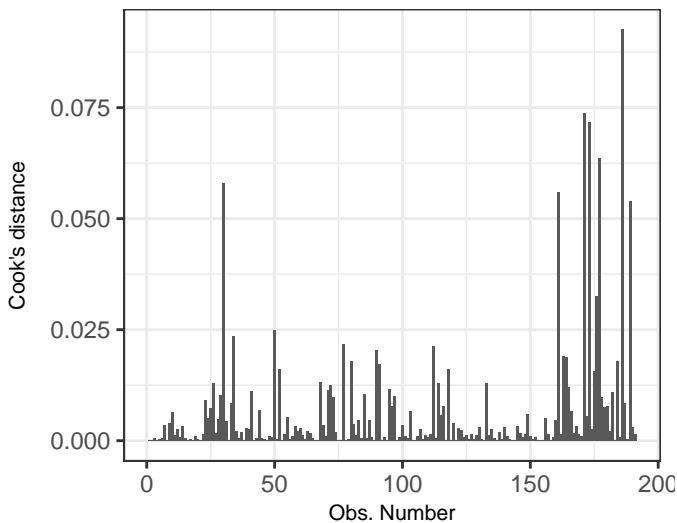
Residual vs Fitted Plot



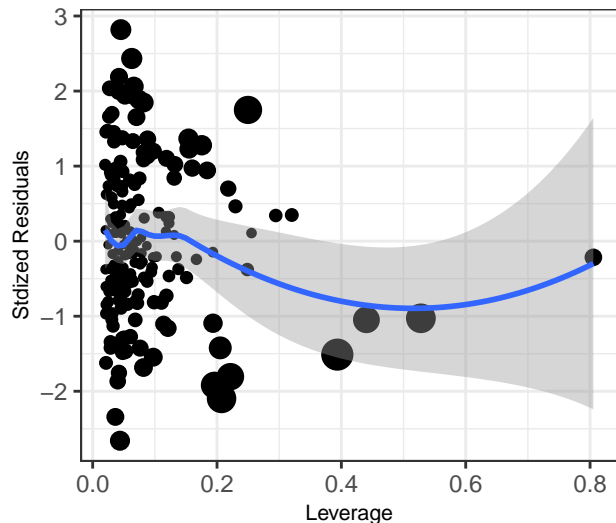
Normal Q-Q



Cook's distance



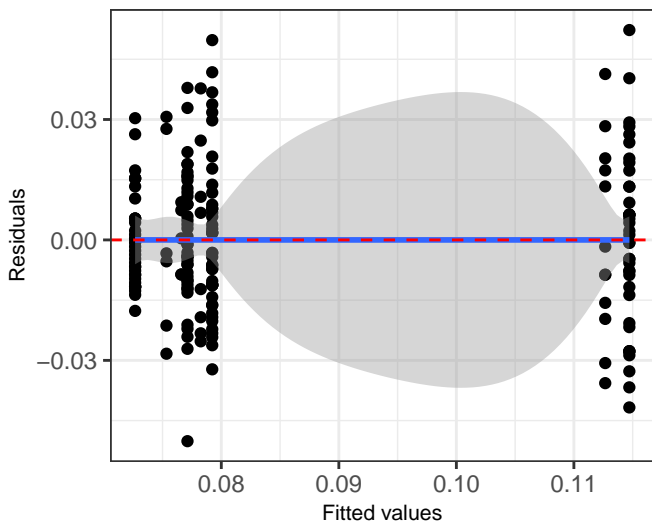
Residual vs Leverage Plot



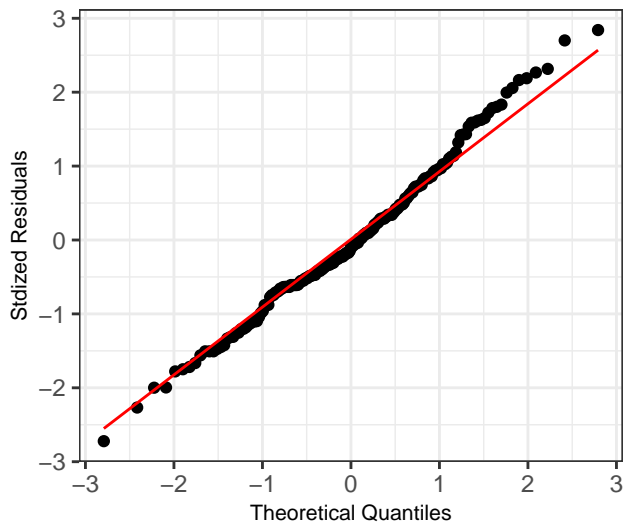
Cook's Distance    ● 0.025    ● 0.050    ● 0.075

# Diagnostic plots 16

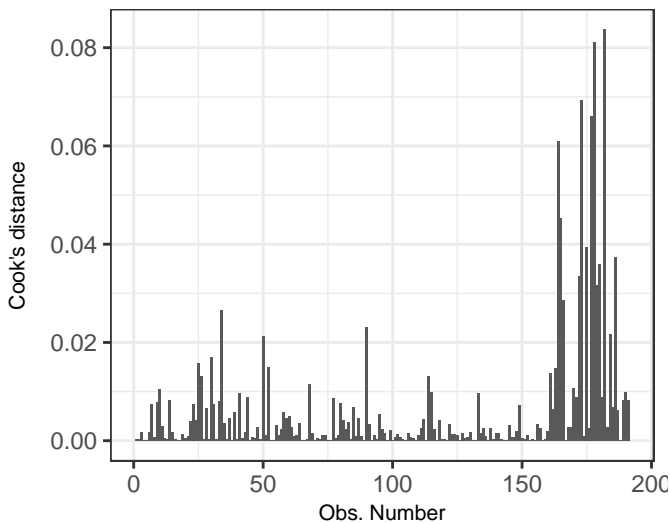
Residual vs Fitted Plot



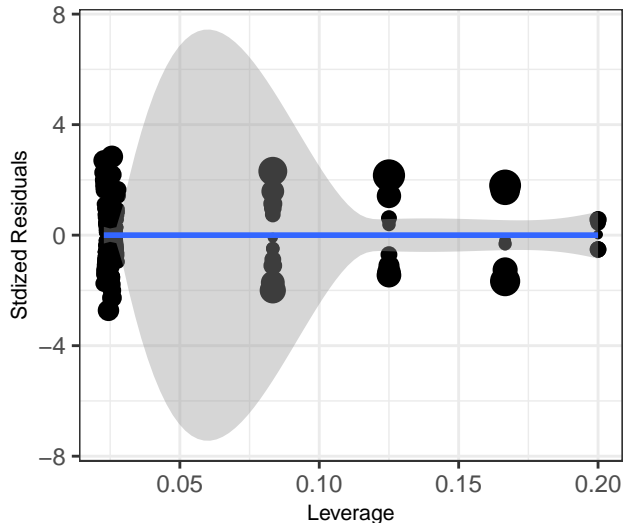
Normal Q-Q



Cook's distance



Residual vs Leverage Plot

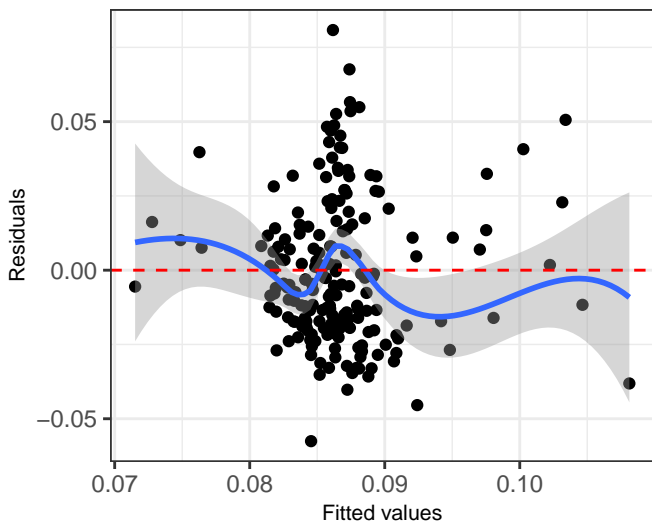


Cook's Distance ● 0.02 ● 0.04 ● 0.06 ●

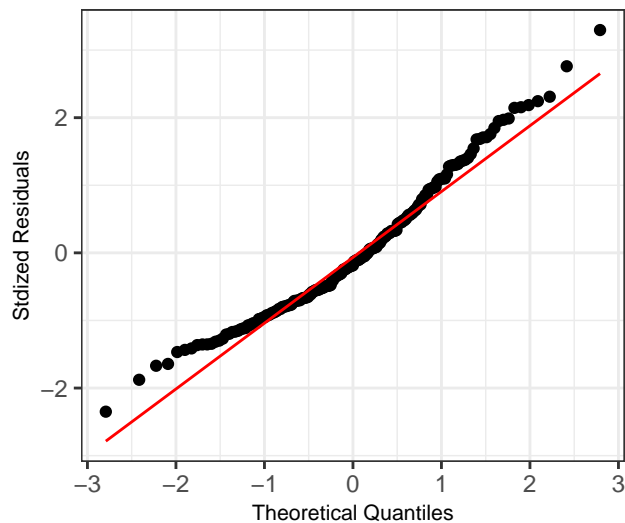


# Diagnostic plots 17

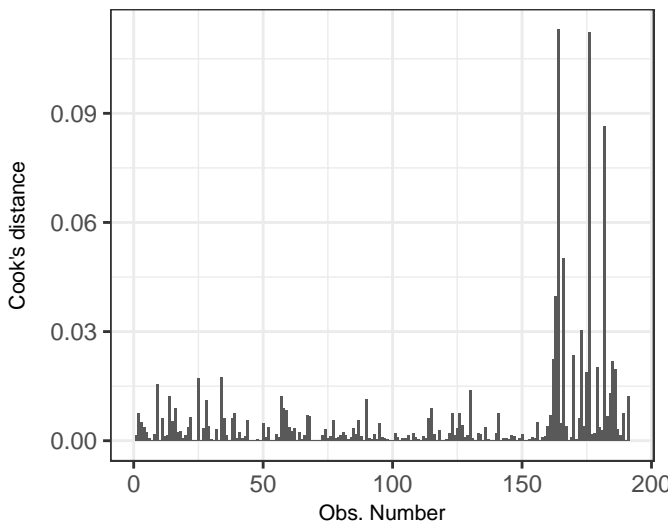
Residual vs Fitted Plot



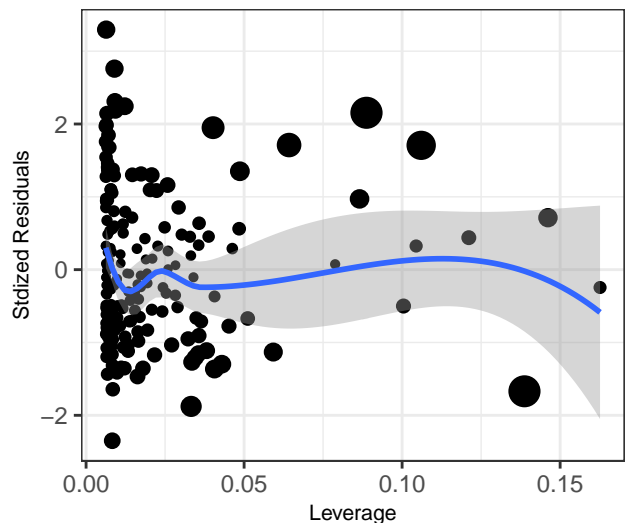
Normal Q-Q



Cook's distance



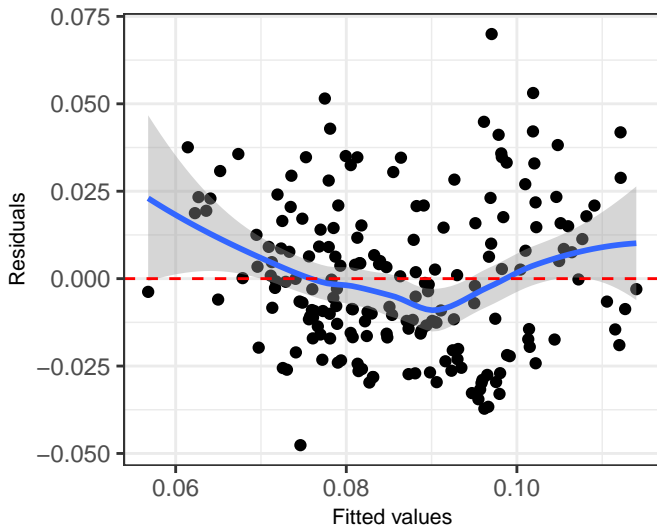
Residual vs Leverage Plot



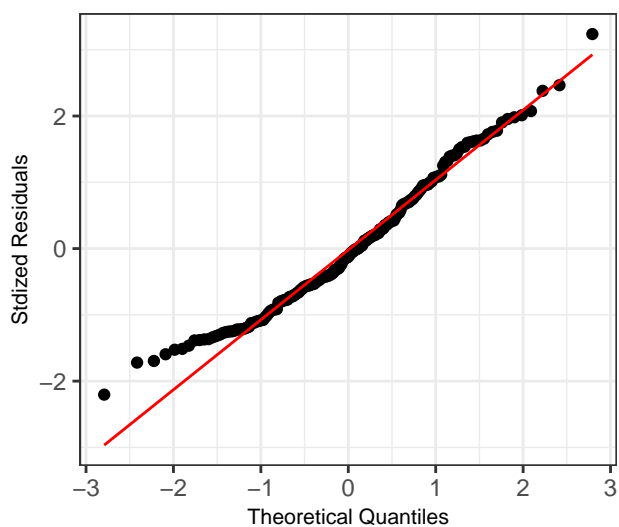
Cook's Distance    ● 0.03    ● 0.06    ● 0.09

# Diagnostic plots 18

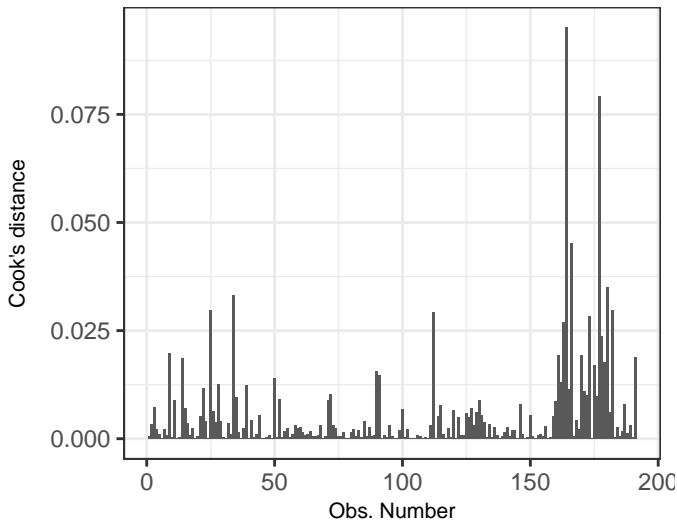
Residual vs Fitted Plot



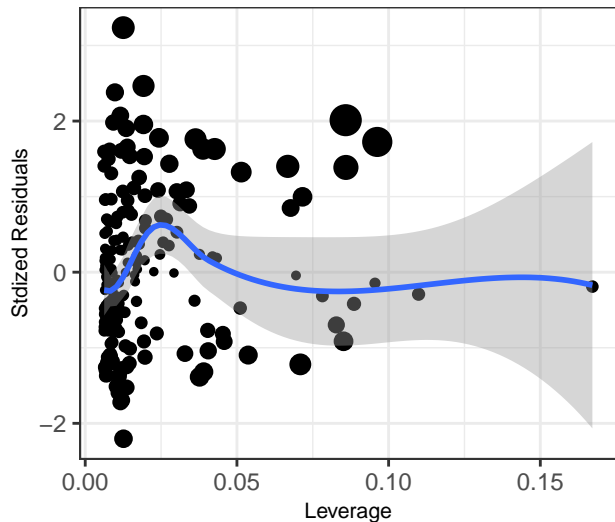
Normal Q-Q



Cook's distance



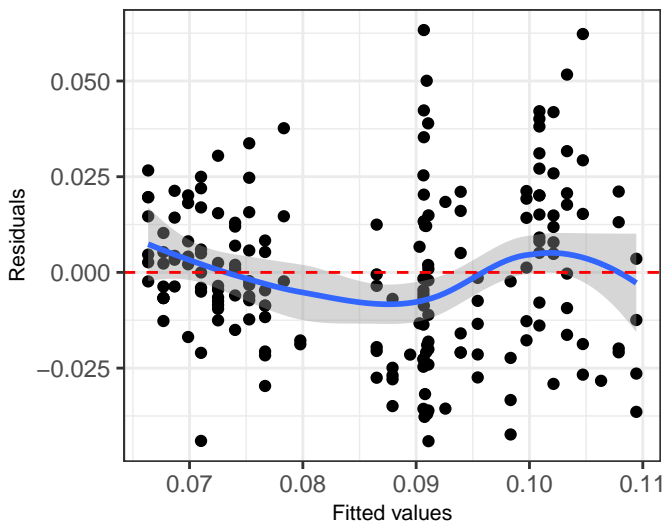
Residual vs Leverage Plot



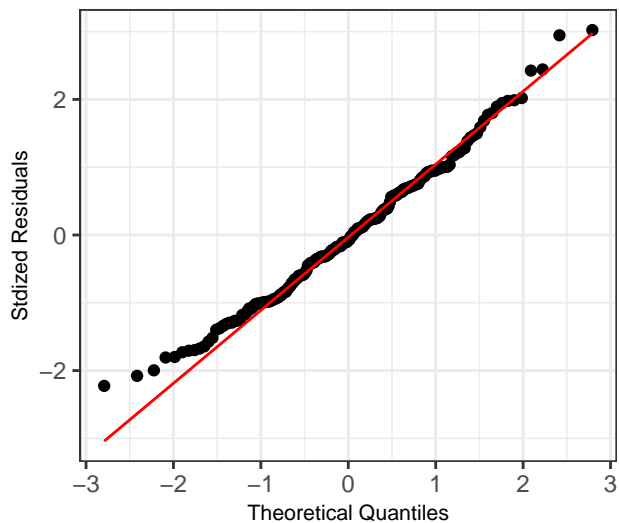
Cook's Distance    ● 0.025    ● 0.050    ● 0.075

# Diagnostic plots 19

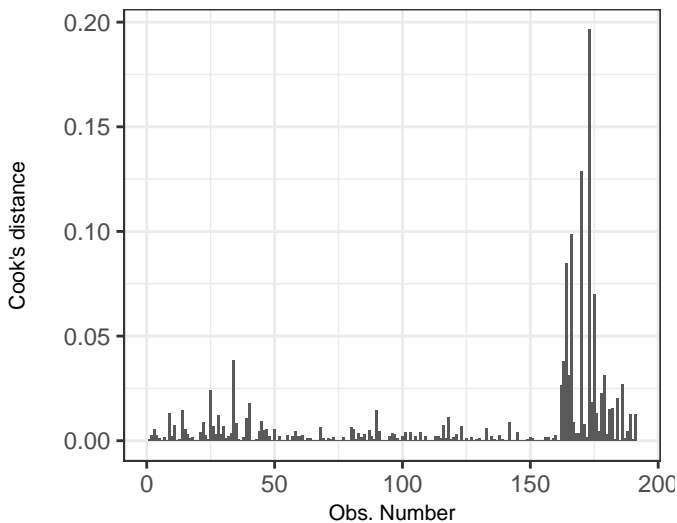
Residual vs Fitted Plot



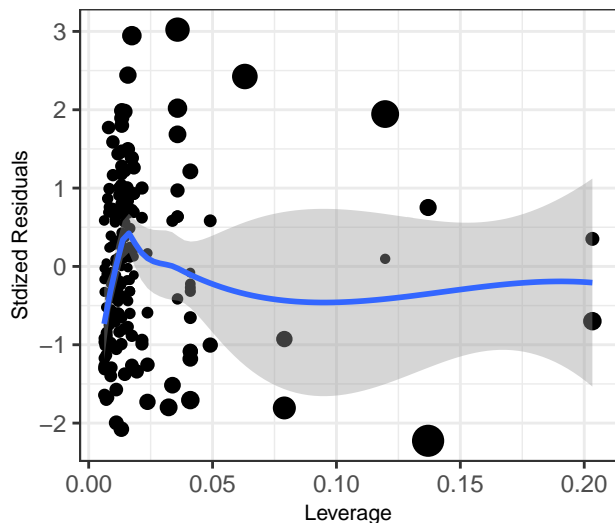
Normal Q-Q



Cook's distance



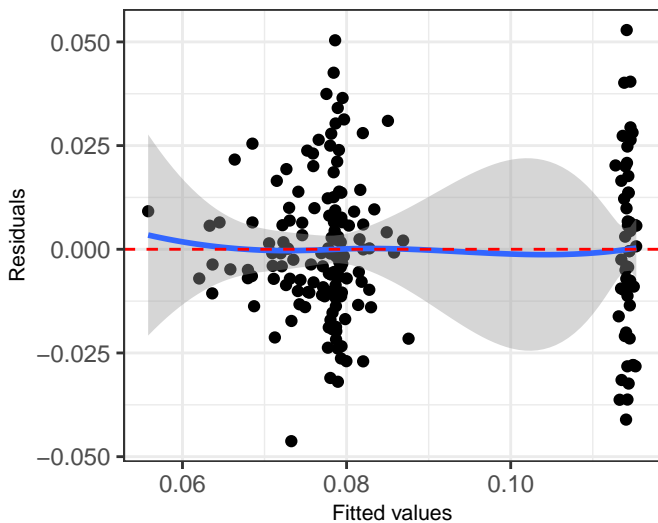
Residual vs Leverage Plot



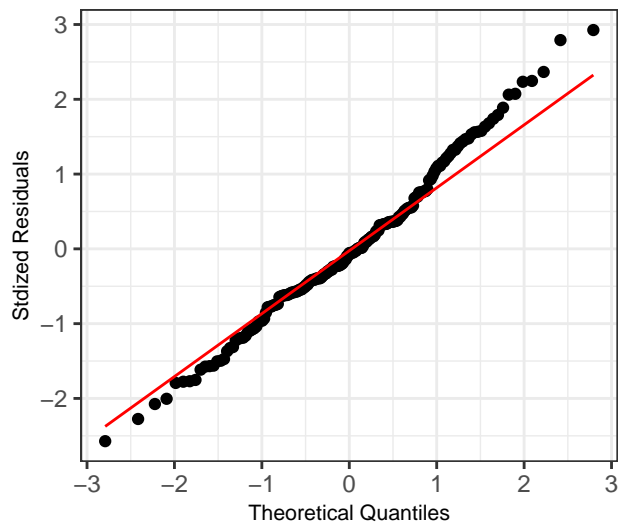
Cook's Distance    ● 0.05    ● 0.10    ● 0.15

# Diagnostic plots 20

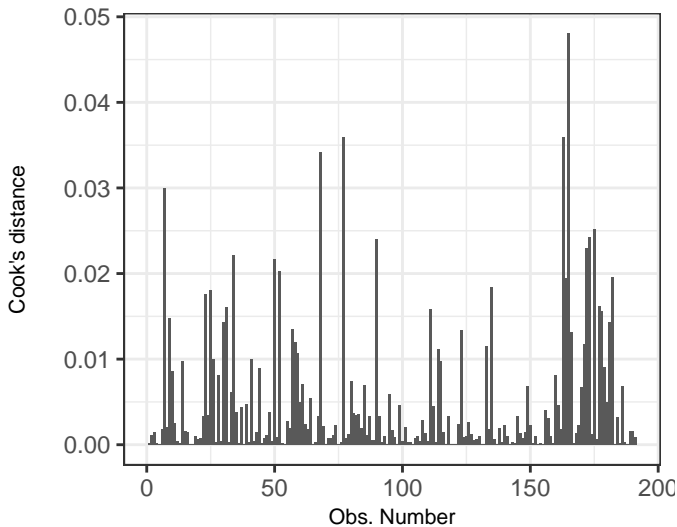
Residual vs Fitted Plot



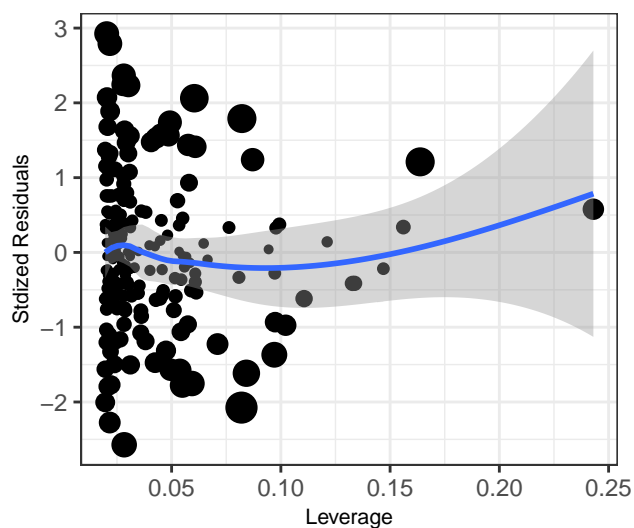
Normal Q-Q



Cook's distance



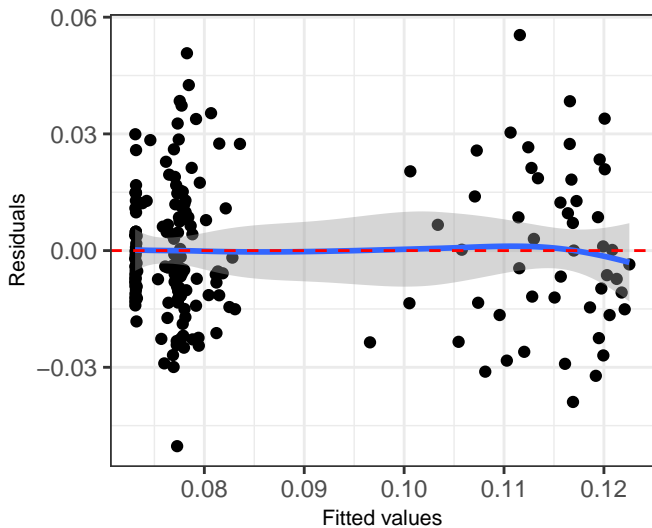
Residual vs Leverage Plot



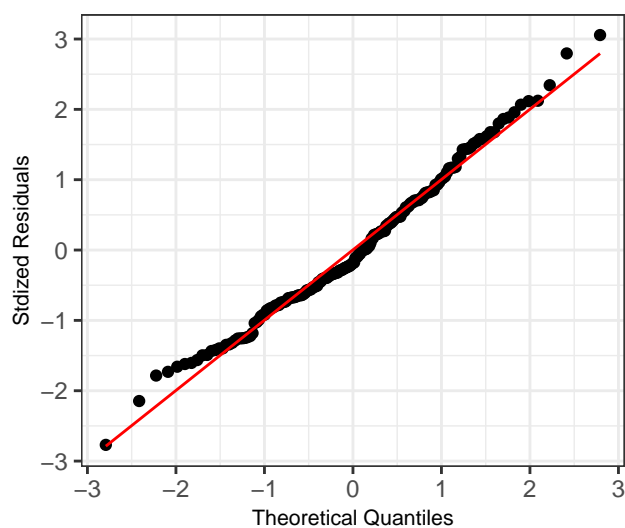
Cook's Distance    ● 0.01    ● 0.02    ● 0.03    ●

# Diagnostic plots 21

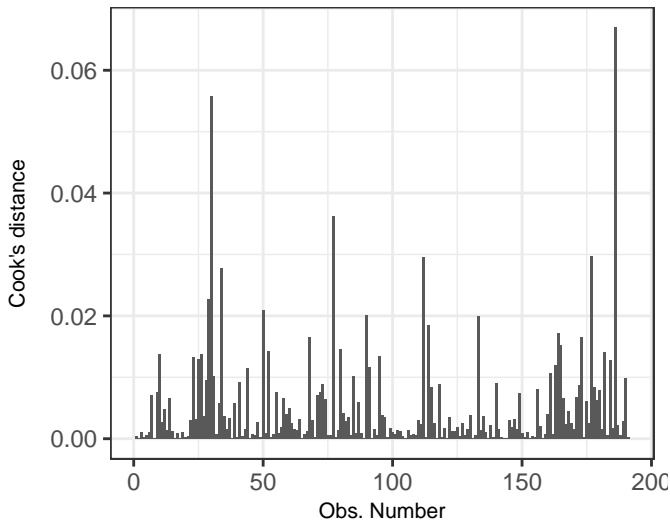
Residual vs Fitted Plot



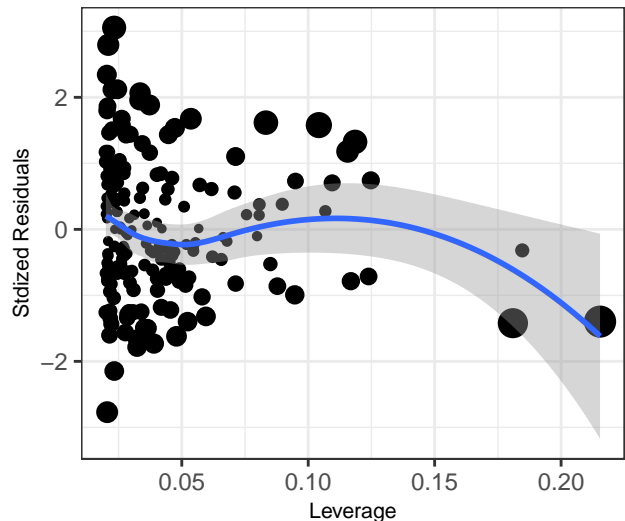
Normal Q-Q



Cook's distance



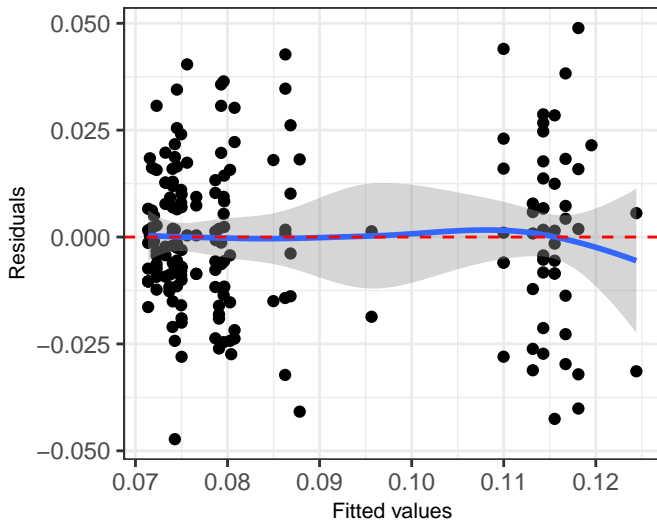
Residual vs Leverage Plot



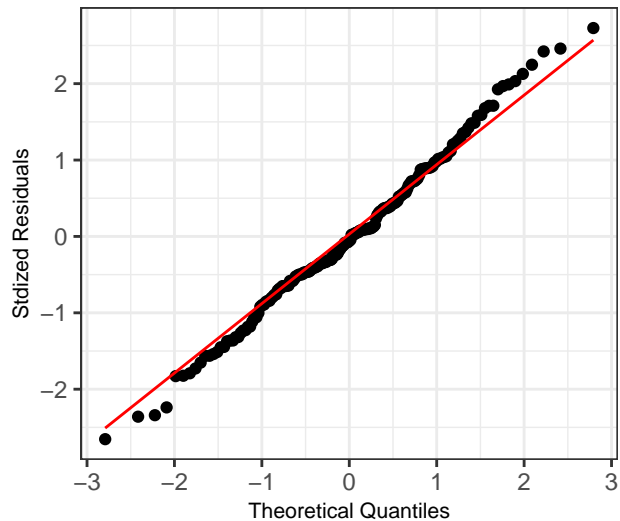
Cook's Distance    ● 0.02    ● 0.04    ● 0.06

# Diagnostic plots 22

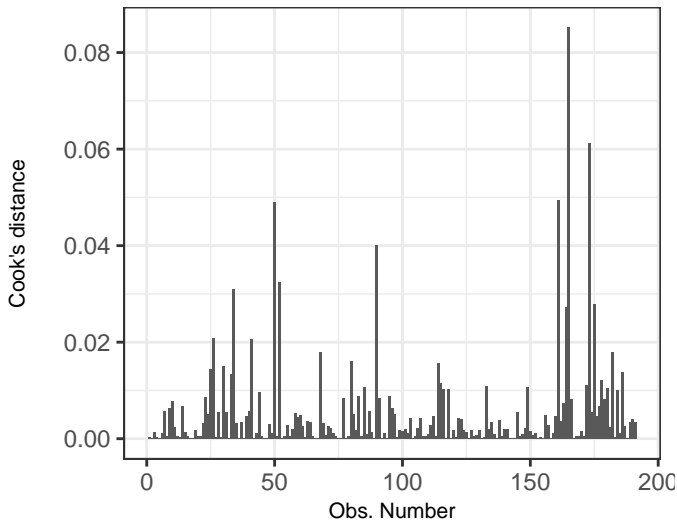
Residual vs Fitted Plot



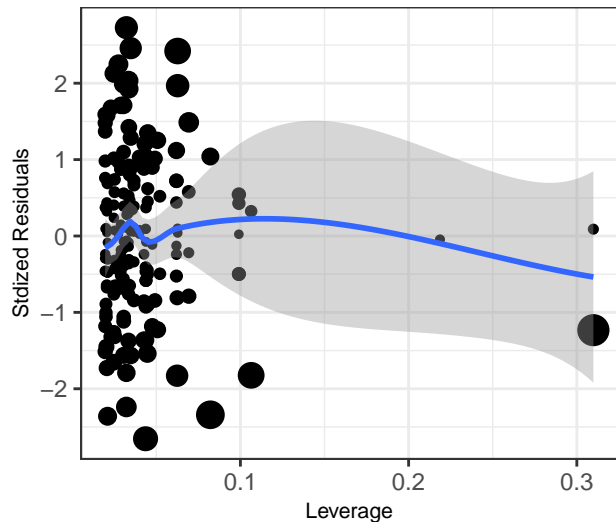
Normal Q-Q



Cook's distance



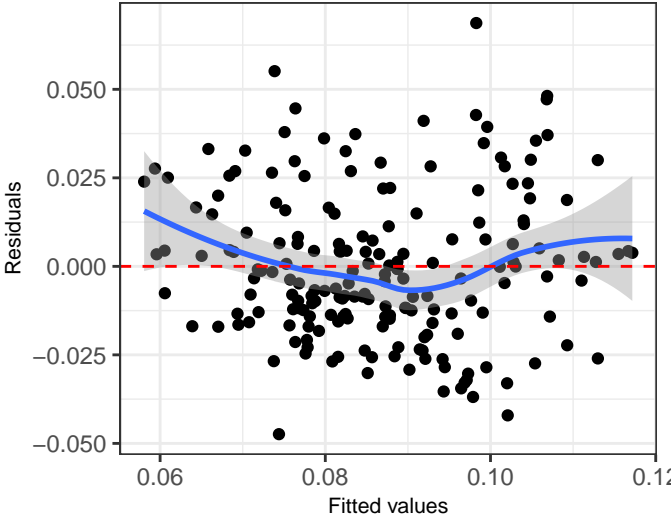
Residual vs Leverage Plot



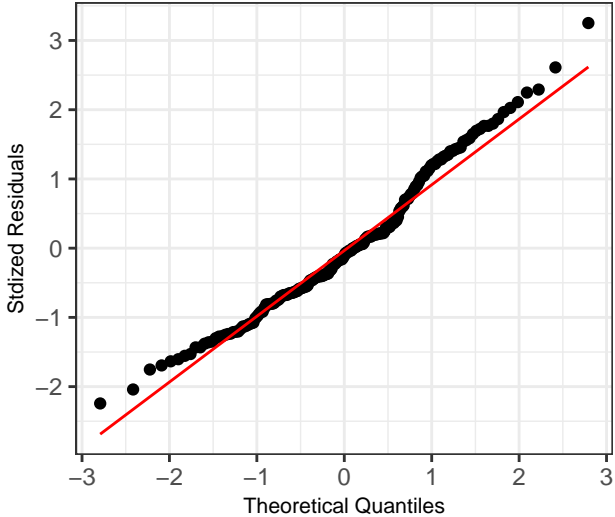
Cook's Distance    ● 0.02    ● 0.04    ● 0.06    ●

# Diagnostic plots 23

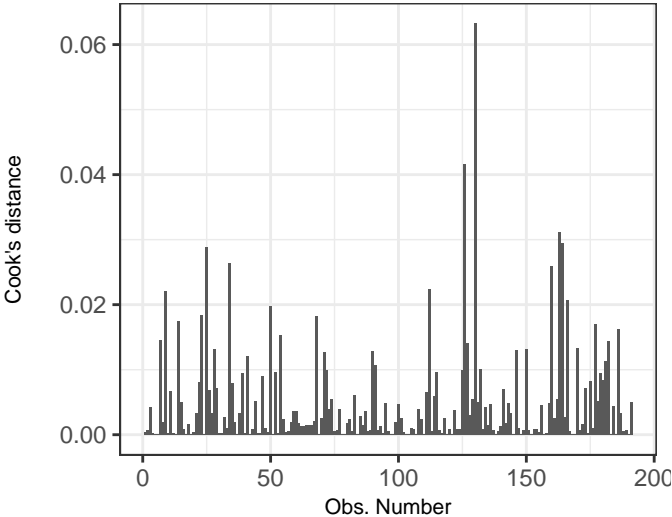
Residual vs Fitted Plot



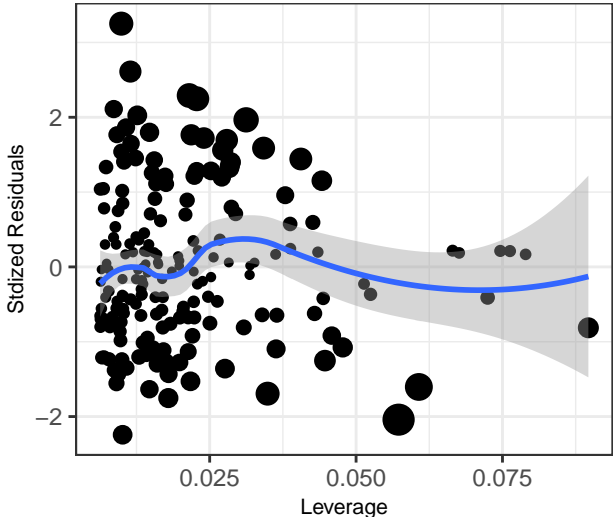
Normal Q-Q



Cook's distance



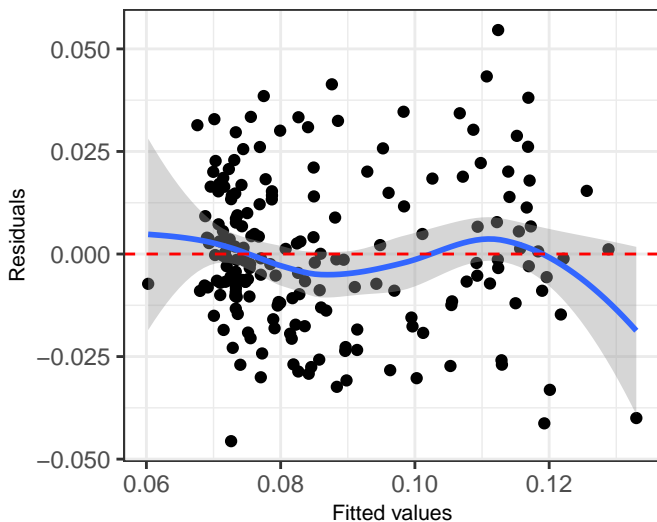
Residual vs Leverage Plot



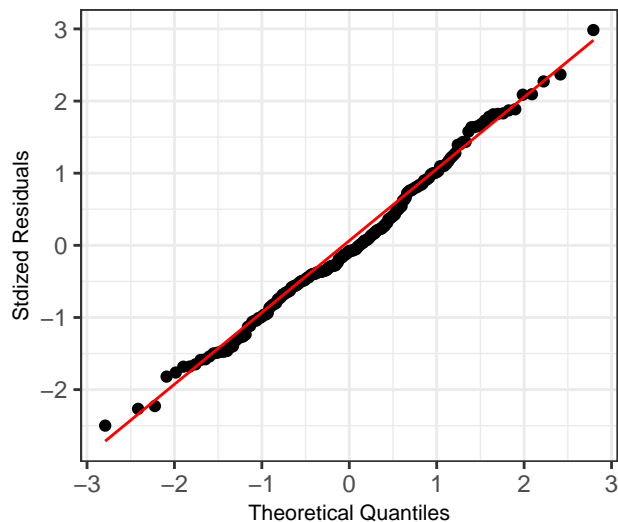
Cook's Distance ● 0.02 ● 0.04 ● 0.06

# Diagnostic plots 24

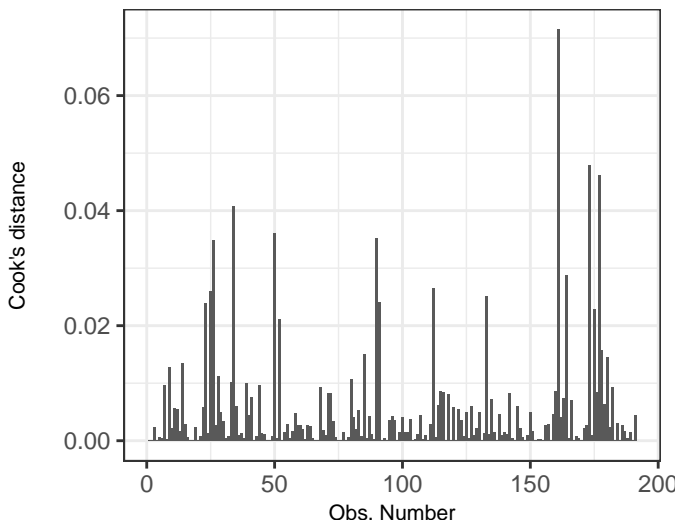
Residual vs Fitted Plot



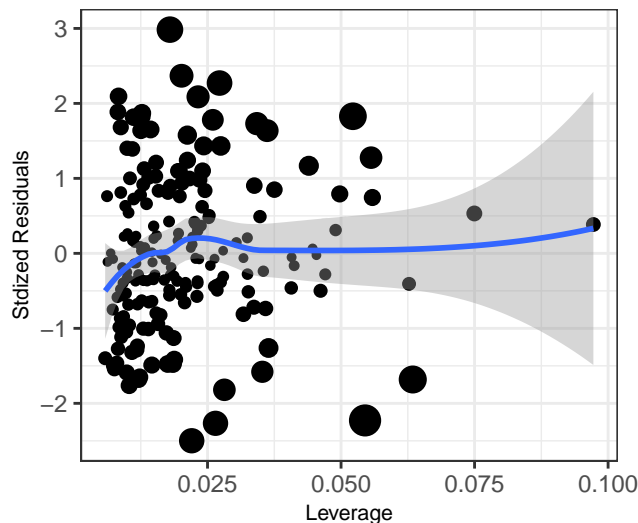
Normal Q-Q



Cook's distance



Residual vs Leverage Plot

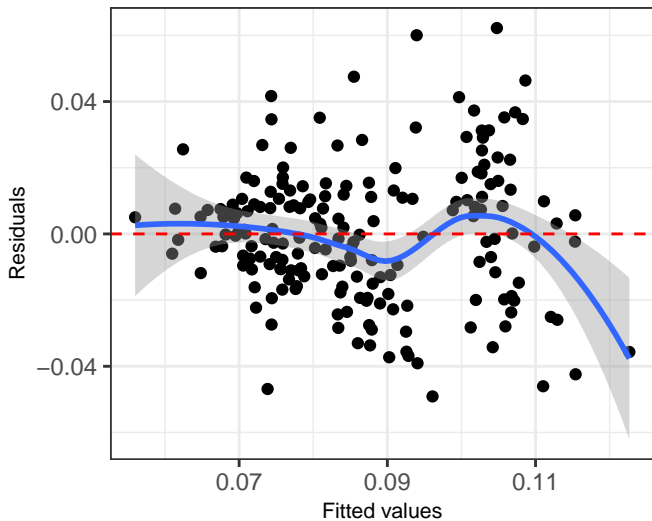


Cook's Distance    ● 0.02    ● 0.04    ● 0.06

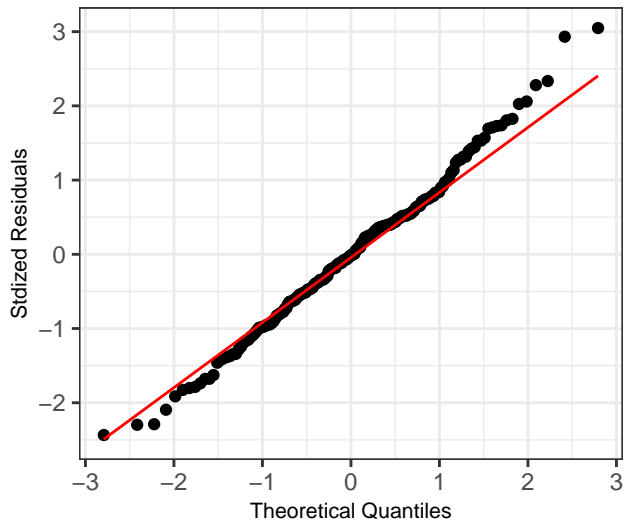


# Diagnostic plots 25

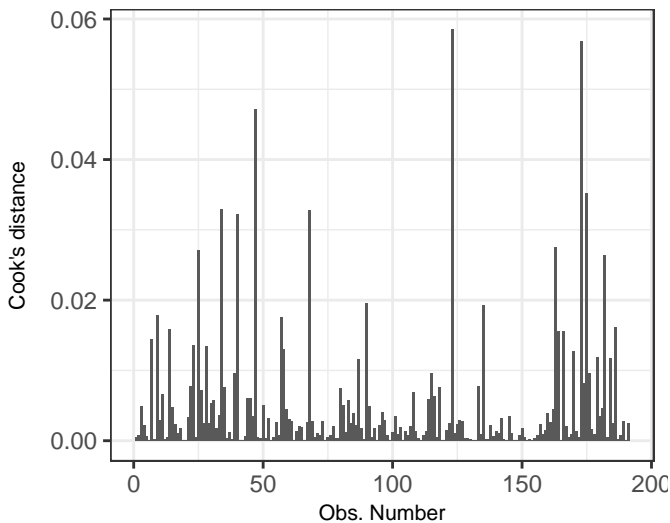
Residual vs Fitted Plot



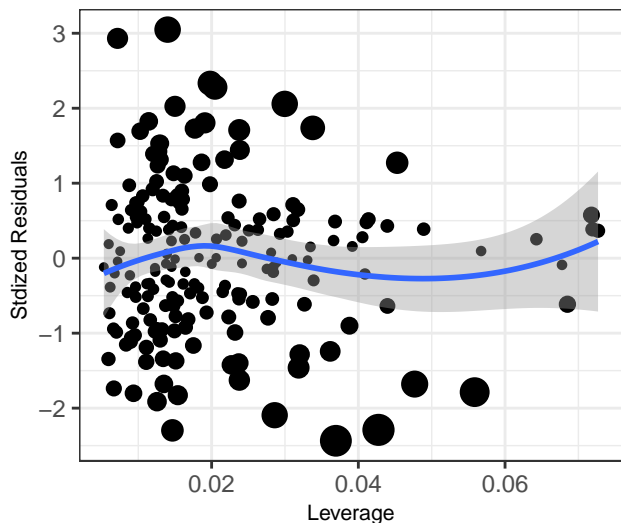
Normal Q-Q



Cook's distance

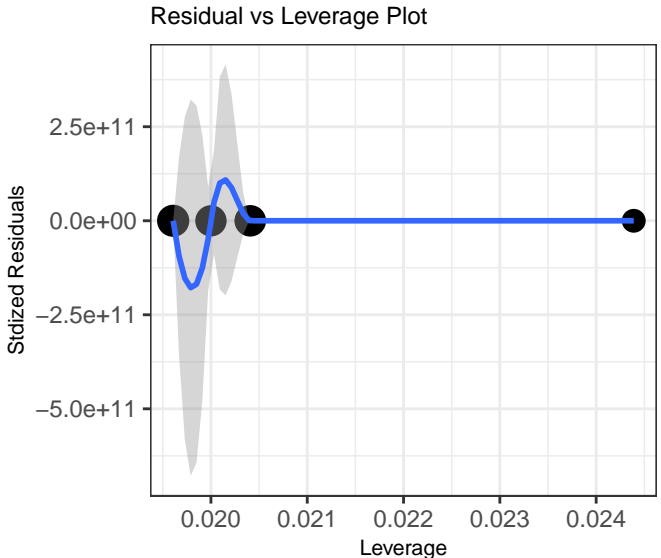
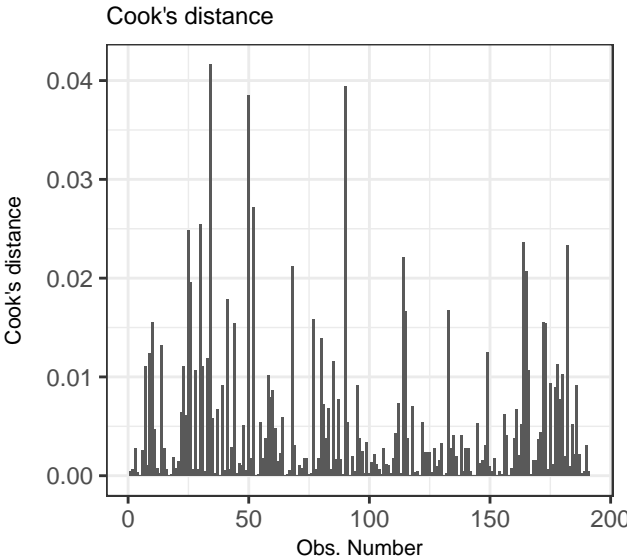
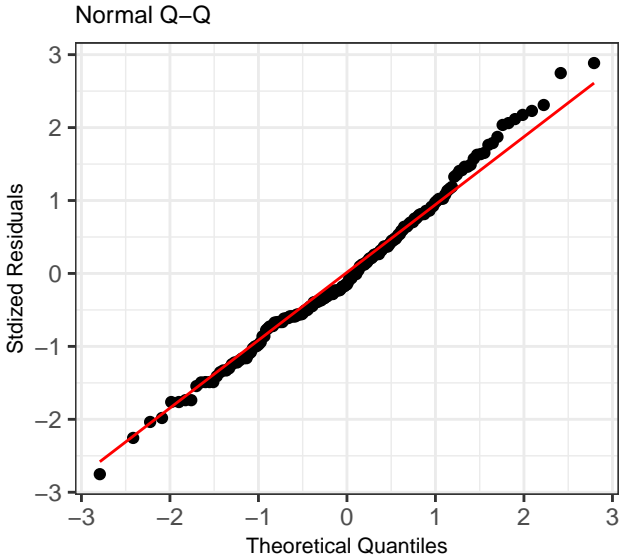
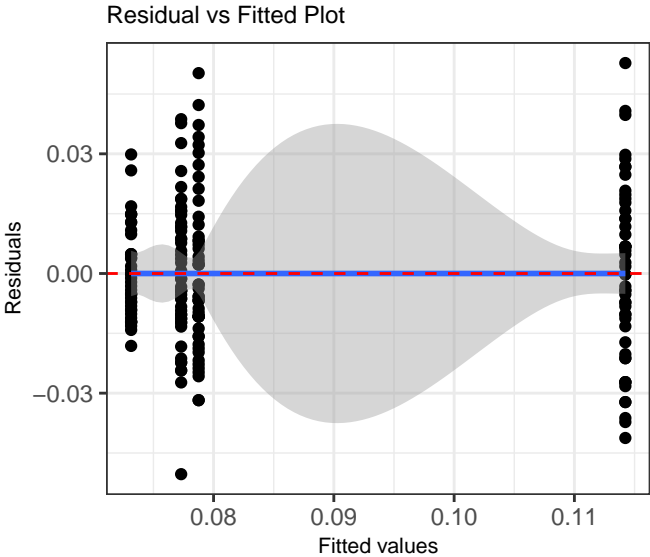


Residual vs Leverage Plot



Cook's Distance    ● 0.01    ● 0.02    ● 0.03    ● 0.04

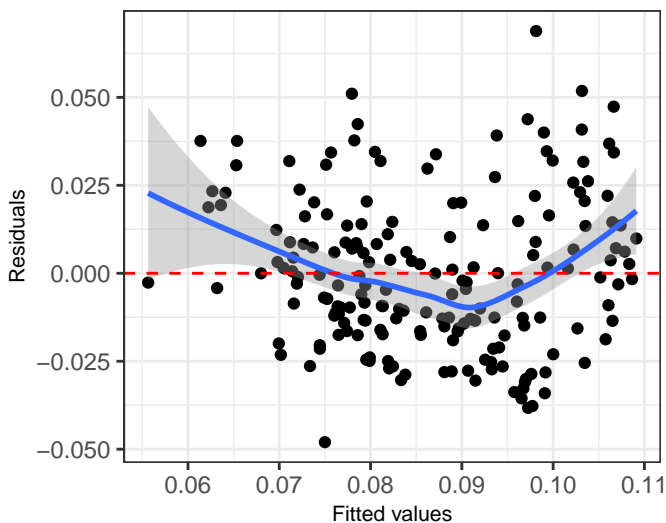
# Diagnostic plots 26



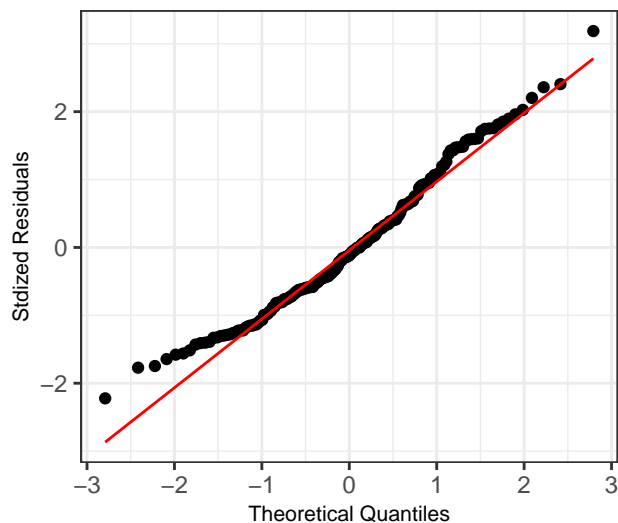
Cook's Distance    ● 0.01    ● 0.02    ● 0.03    ●

# Diagnostic plots 27

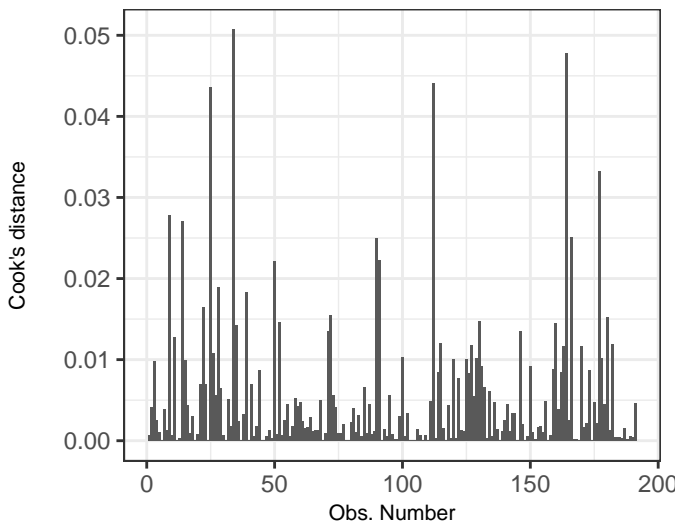
Residual vs Fitted Plot



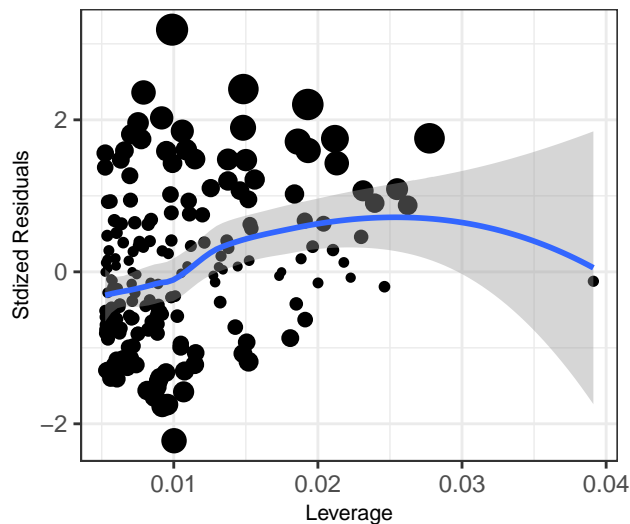
Normal Q-Q



Cook's distance



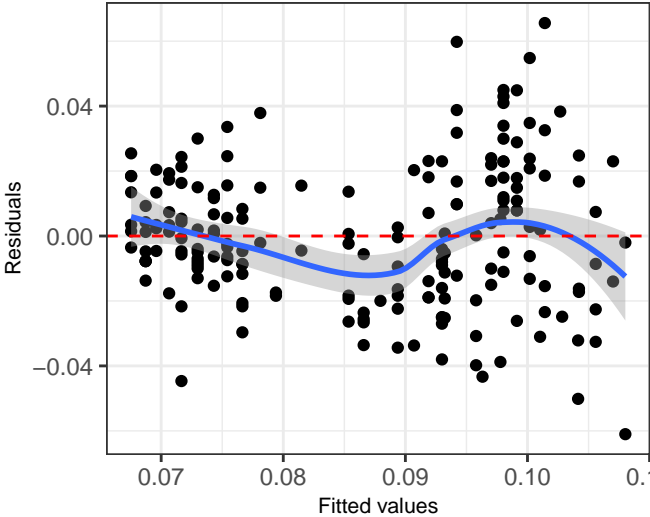
Residual vs Leverage Plot



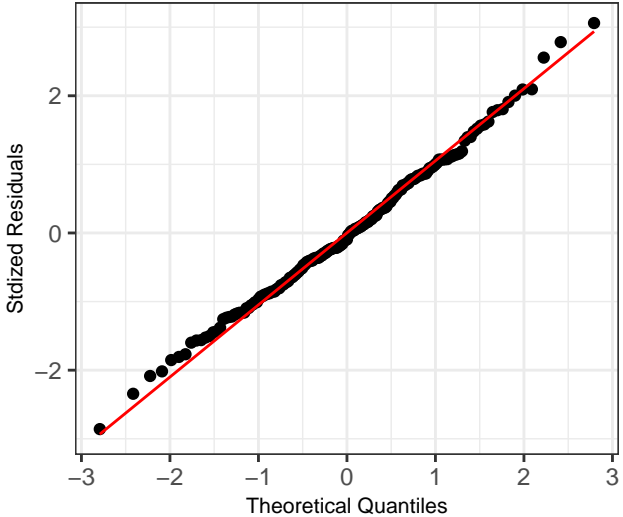
Cook's Distance    ● 0.01    ● 0.02    ● 0.03    ● 0.04

# Diagnostic plots 28

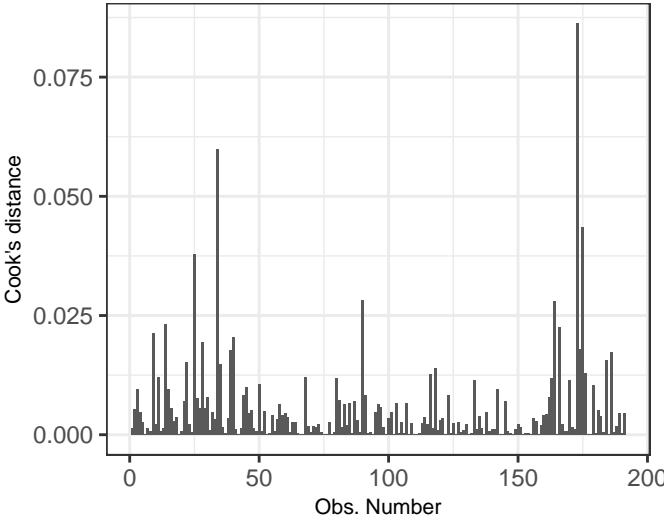
Residual vs Fitted Plot



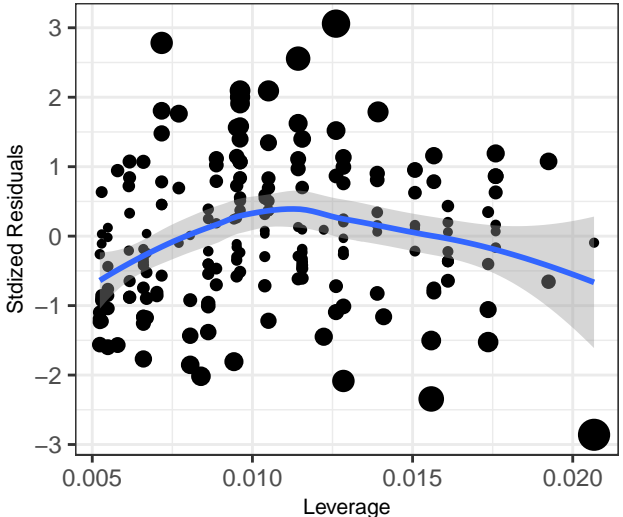
Normal Q-Q



Cook's distance



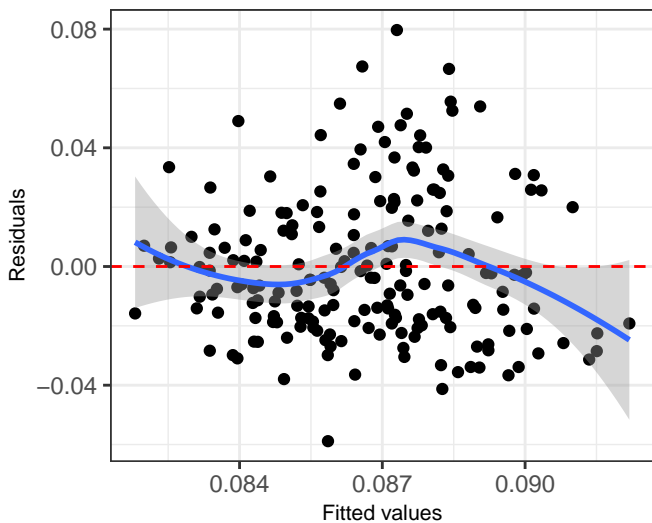
Residual vs Leverage Plot



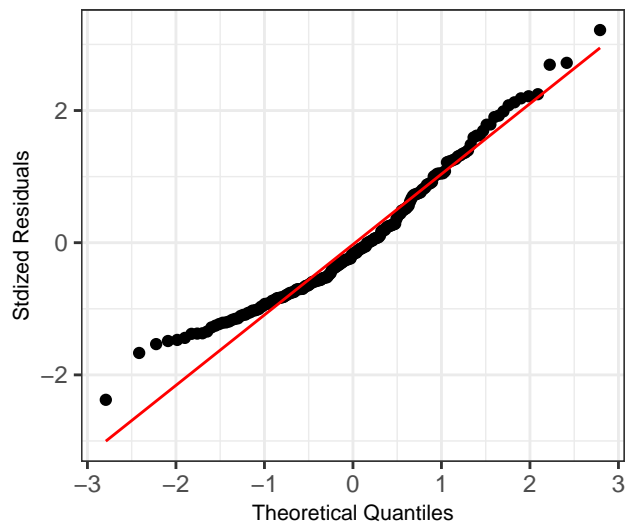
Cook's Distance    ● 0.02    ● 0.04    ● 0.06    ●

# Diagnostic plots 29

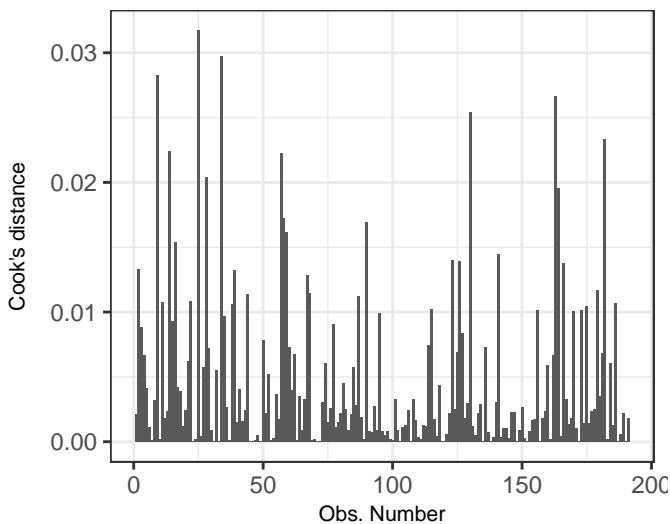
Residual vs Fitted Plot



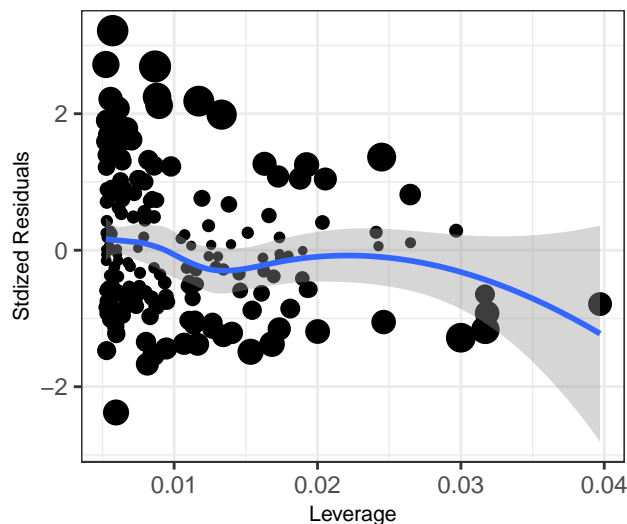
Normal Q-Q



Cook's distance

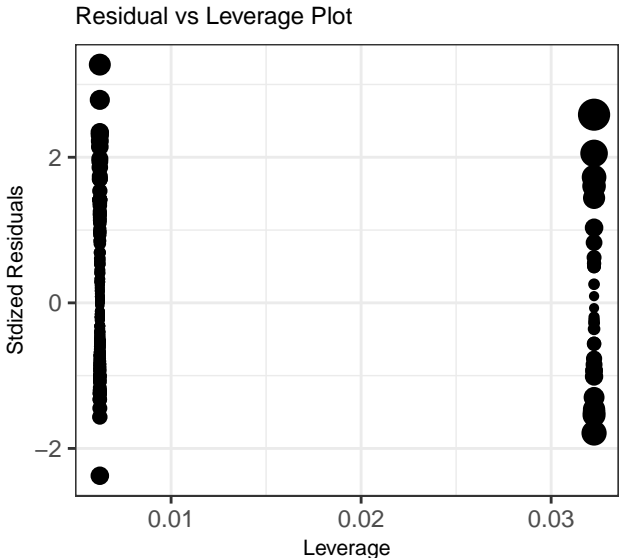
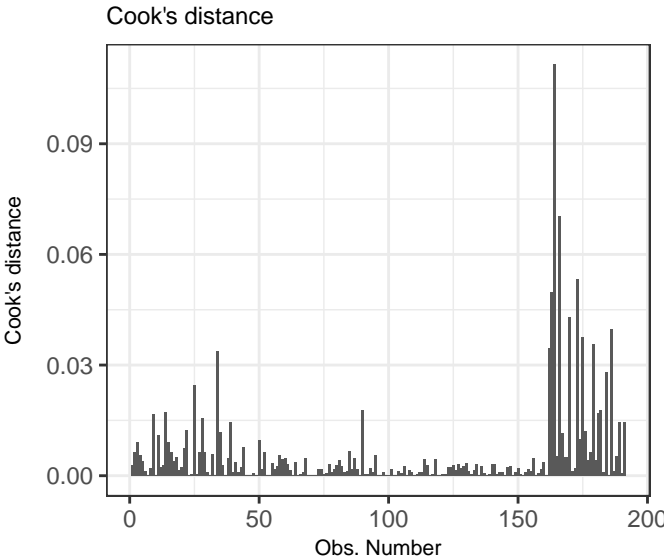
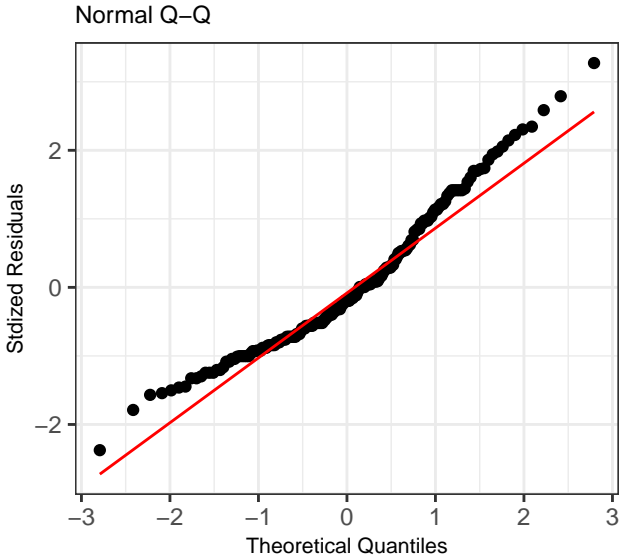
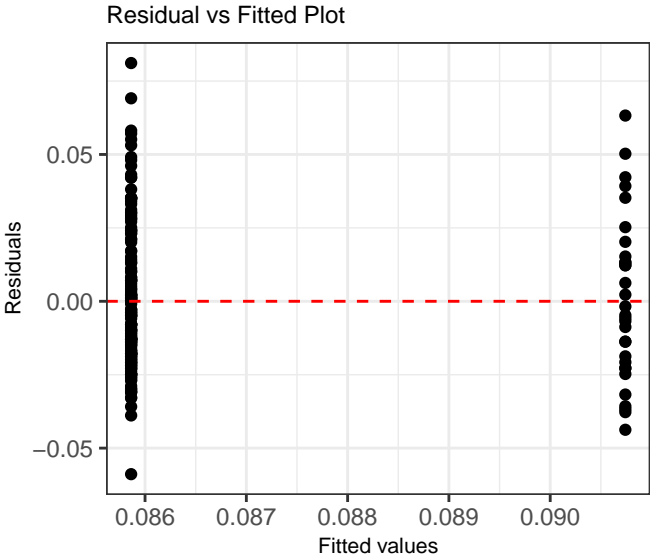


Residual vs Leverage Plot



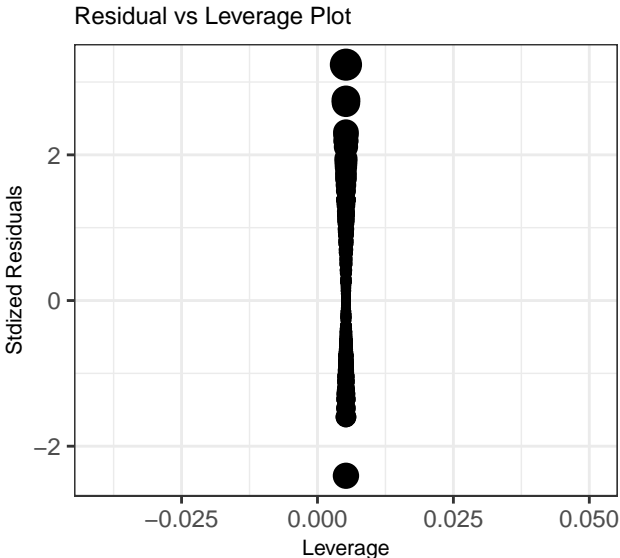
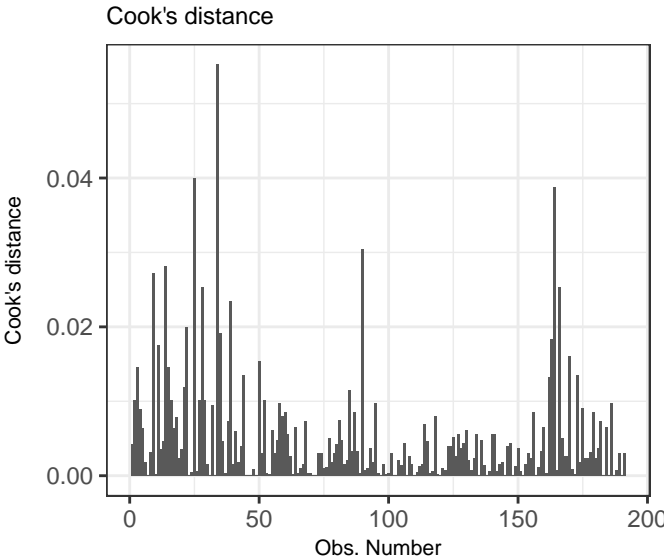
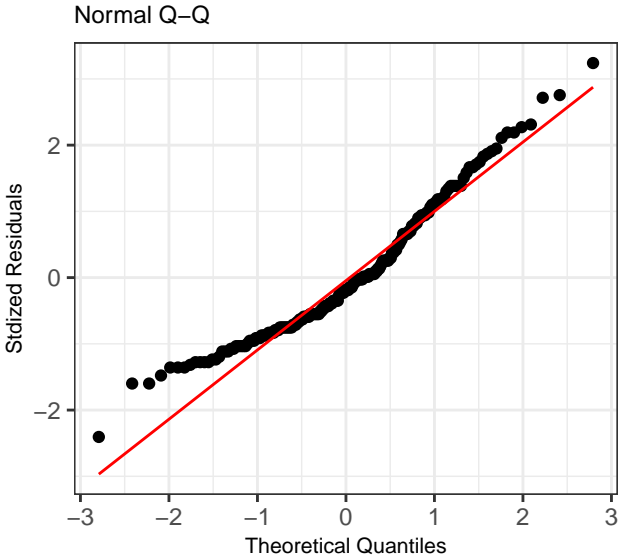
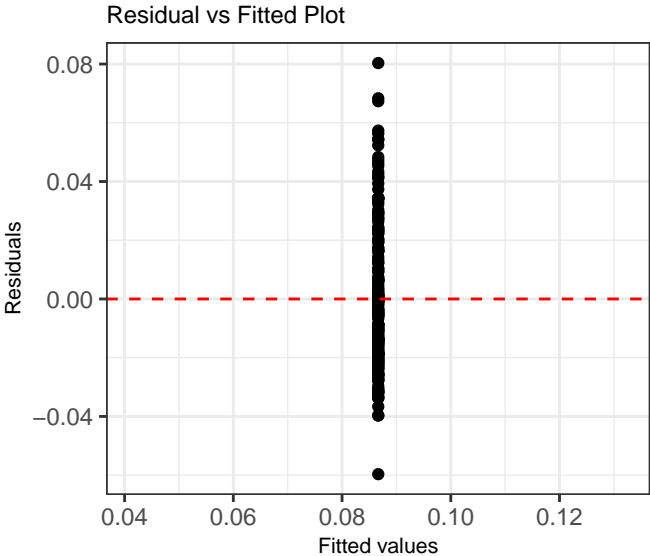
Cook's Distance    ● 0.01    ● 0.02    ● 0.03

# Diagnostic plots 30



Cook's Distance    ● 0.03    ● 0.06    ● 0.09

# Diagnostic plots 31



Cook's Distance    ● 0.01    ● 0.02    ● 0.03    ● 0.04