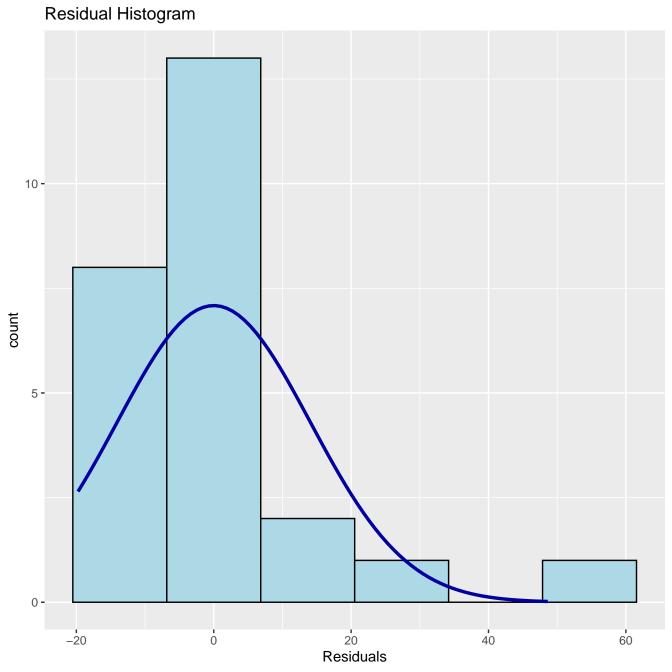


Residual vs Fitted Values 40 -20 -Residual -20 **-**Fitted Value



Residual vs Fitted Values Model: E(Y) = B0 + B1X 0 0 4 -This pattern of residuals indicates non-linearity and suggests X^2 should be added to the model Residual -4 **-**_8 **-**Fitted Value

Residual vs Fitted Values Model: Y=B0 + B1X + B2X^2 Residuals are better behaved. 2.5 -0 0 Residual 0.0 -2.5 **-**Fitted Value