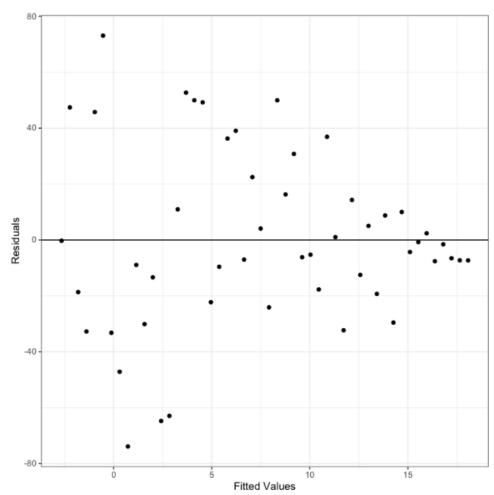
1.	Weighted least squares is a potential solution to a violation of the constant variance assumption.	3/3 points
	True	
	False	
2.	If the error vector is known to have a diagonal variance-covariance matrix (i.e., all entries off-of the diagonal are zero), then the constant variance assumption is necessarily met.	3/3 points
	True	
	False	
3.	Under the assumption of constant variance of the error terms, the residuals also have a constant variance.	3/3 points
	True	
	False	

4. 3 / 3 points

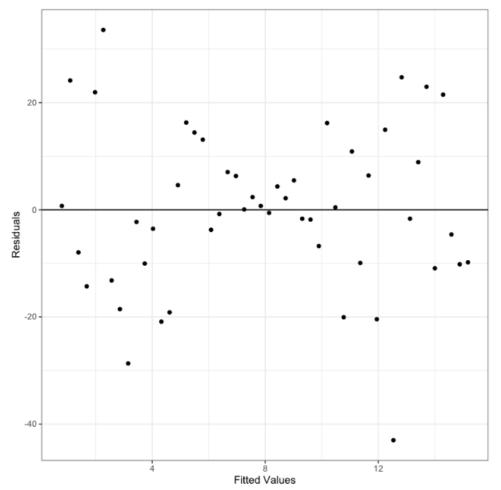


The above plot provides evidence of non-constant variance.

True

False

5. 3/3 points



The above plot provides evidence of non-constant variance.

True

False

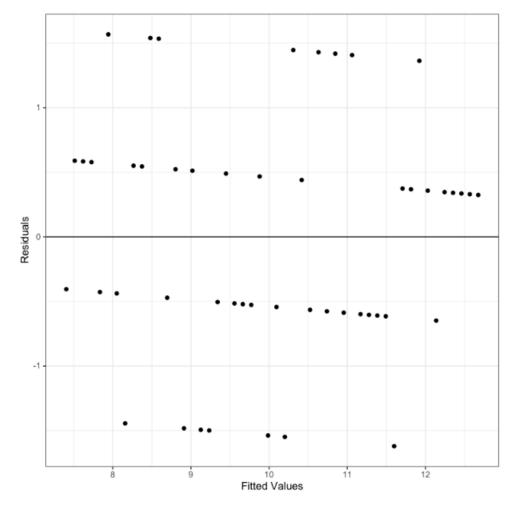
6.	Which of the following methods can help diagnose non-constant error variance?	4/4 points
	A residuals vs potential predictor plot	
	A residuals vs fitted value plot	
	A predictor vs idex plot	
	A fitted value vs observed value plot	
7.	Which of the following methods can help diagnose deviations from the normality assumption?	4 / 4 points
	A residuals vs potential predictor plot	
	A QQ plot	
	The Shiparo-Wilk hypothesis test	
	The Durbin-Watson hypothesis test	
	A residuals vs fitted values plot	
	A predictor vs index plot	
8.	$\label{thm:continuous} The normality assumption is the most important assumption for performing linear regression parameter estimation.$	3/3 points
	True	
	False	
9.	Small deviations from normality produce large discrepancies in model fit.	3/3 points
	True	
	False	

10.

3/3 points

11.

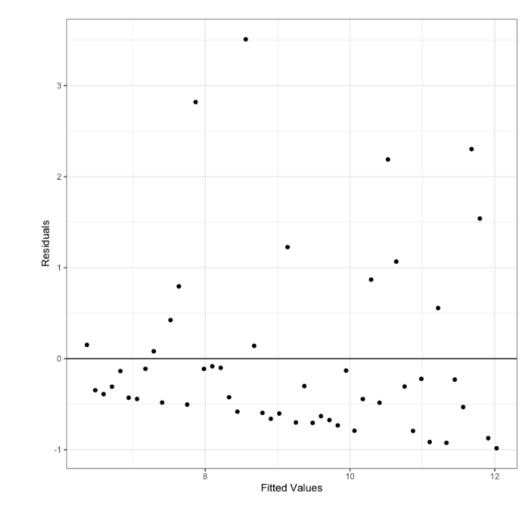
3/3 points



The above plot provides evidence of non-normality of errors.

True

False



The above plot provides evidence of non-normality of errors.

True

False