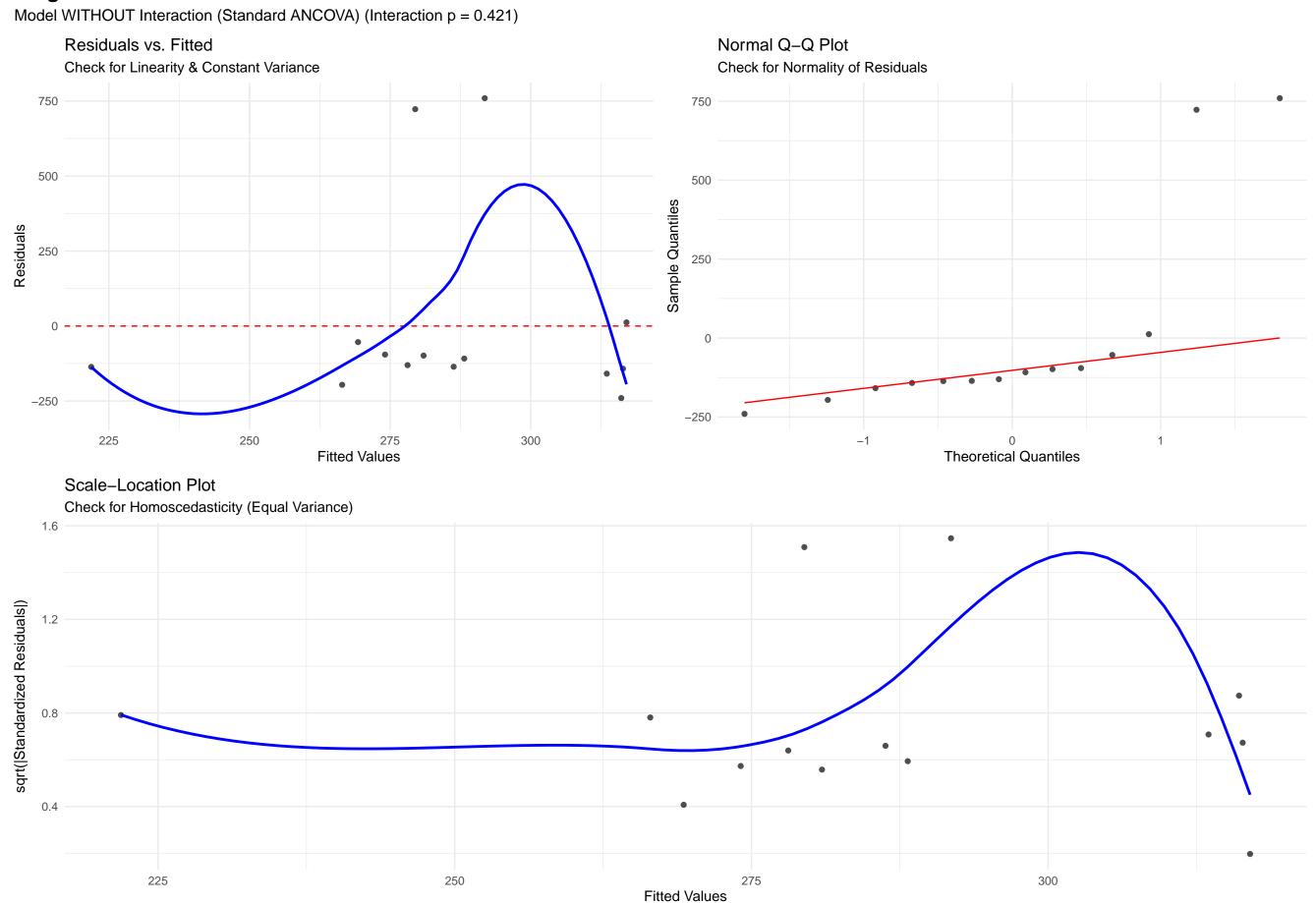
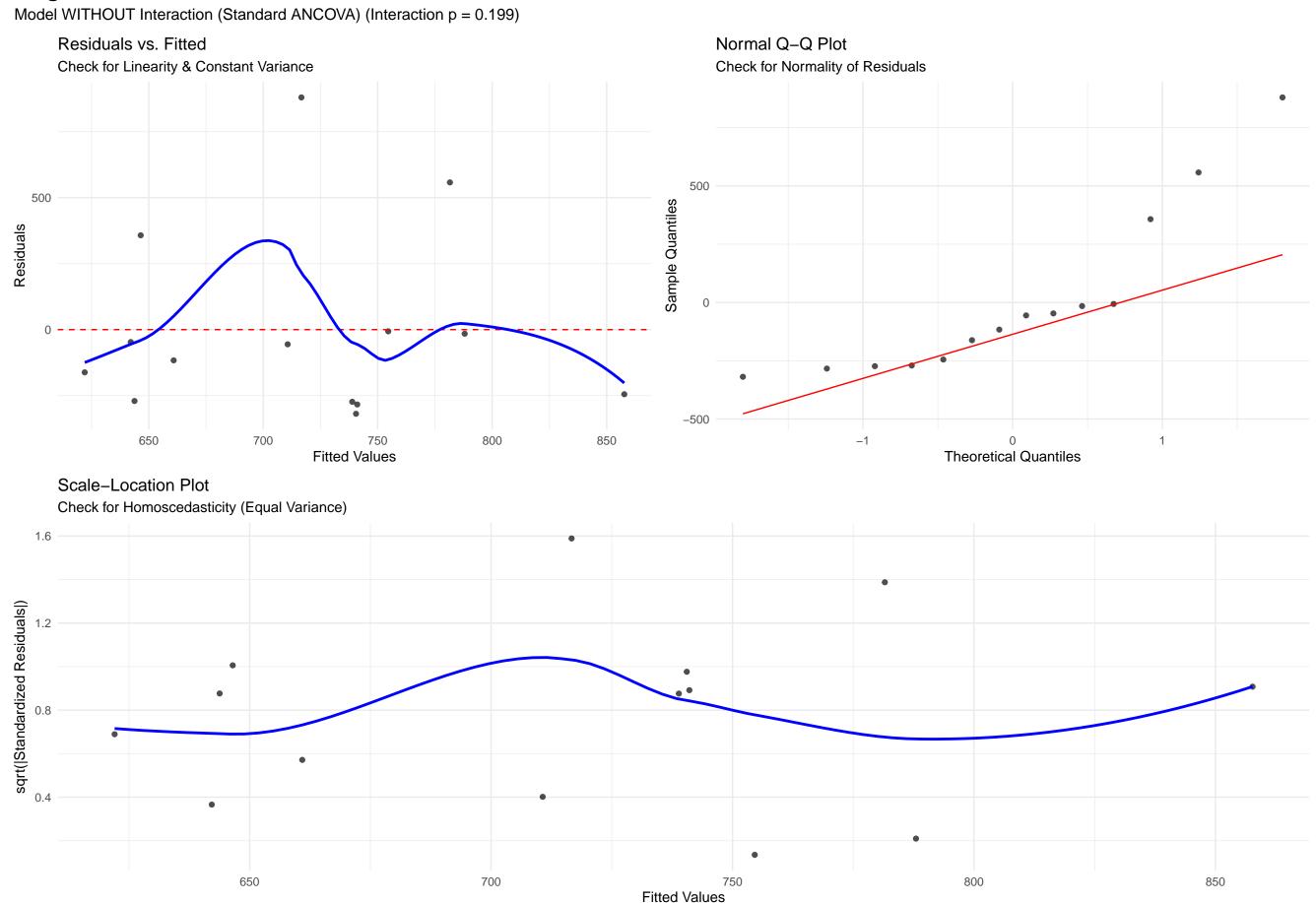
Diagnostics for: Flow-Mediated Dilation Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7996) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 7.5 7.5 5.0 5.0 Sample Quantiles Residuals 2.5 0.0 -2.5 **Theoretical Quantiles** Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) 1.5 sqrt(|Standardized Residuals|)

Fitted Values

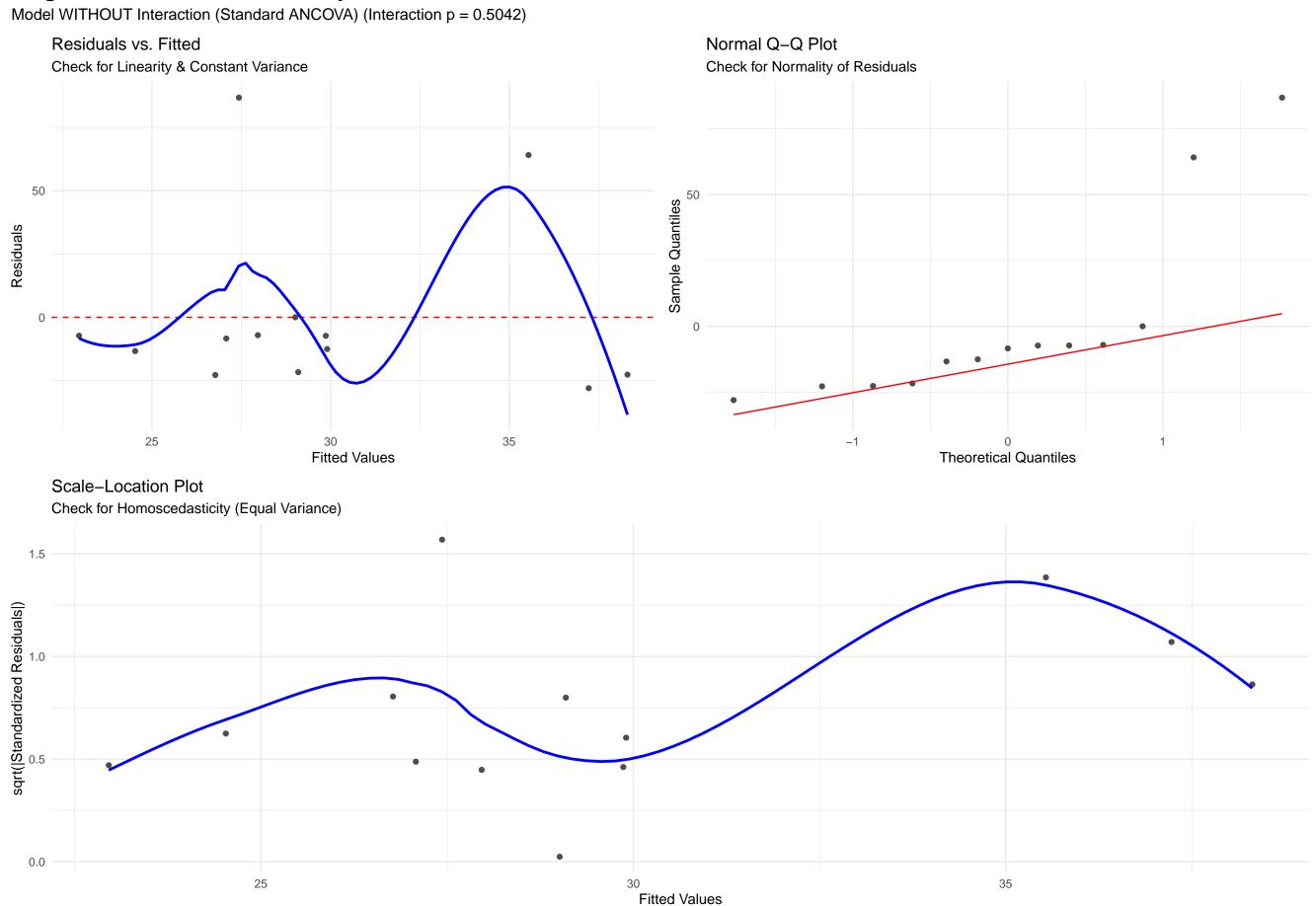
Diagnostics for: Baseline Shear



Diagnostics for: Maximum Shear

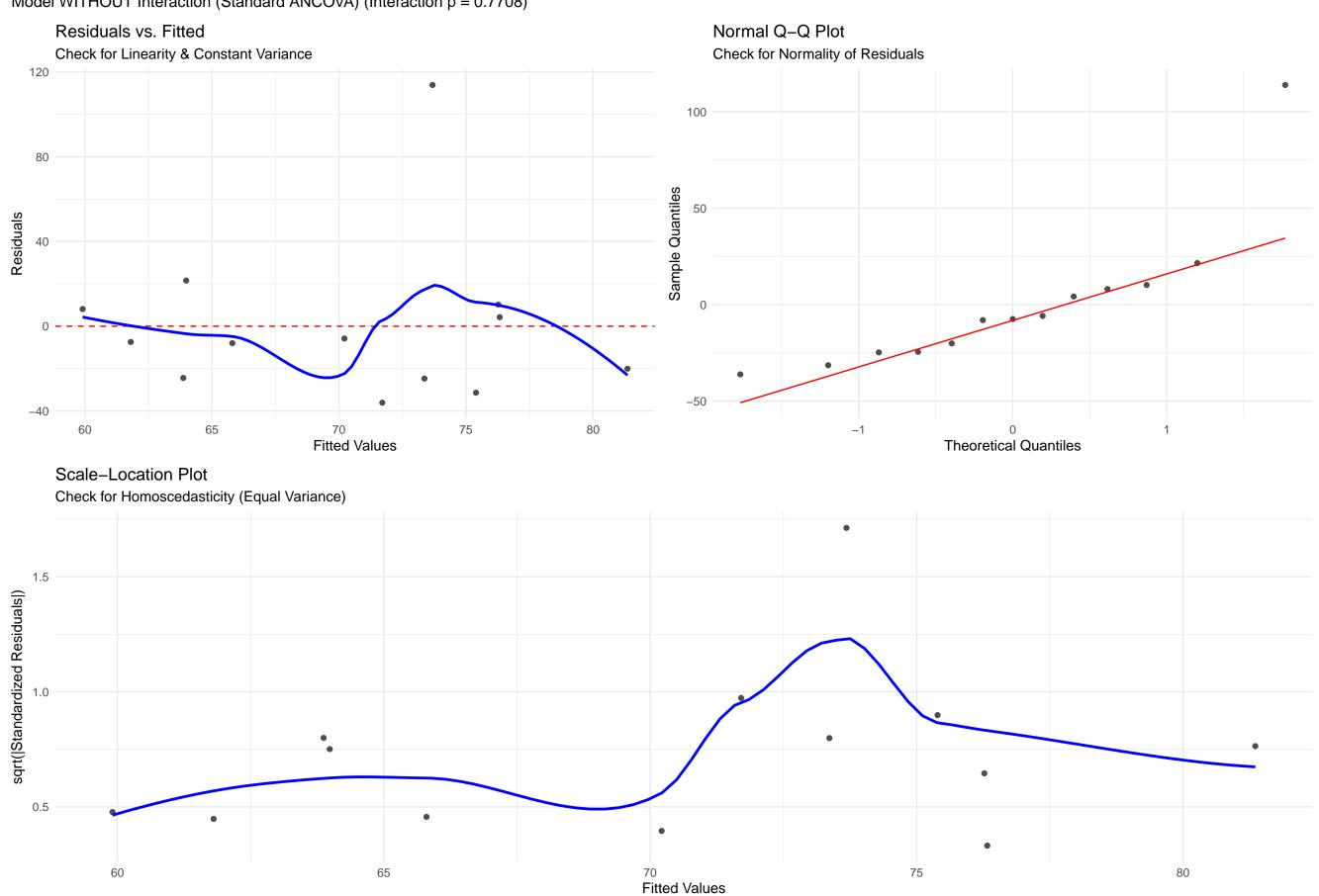


Diagnostics for: Baseline Velocity

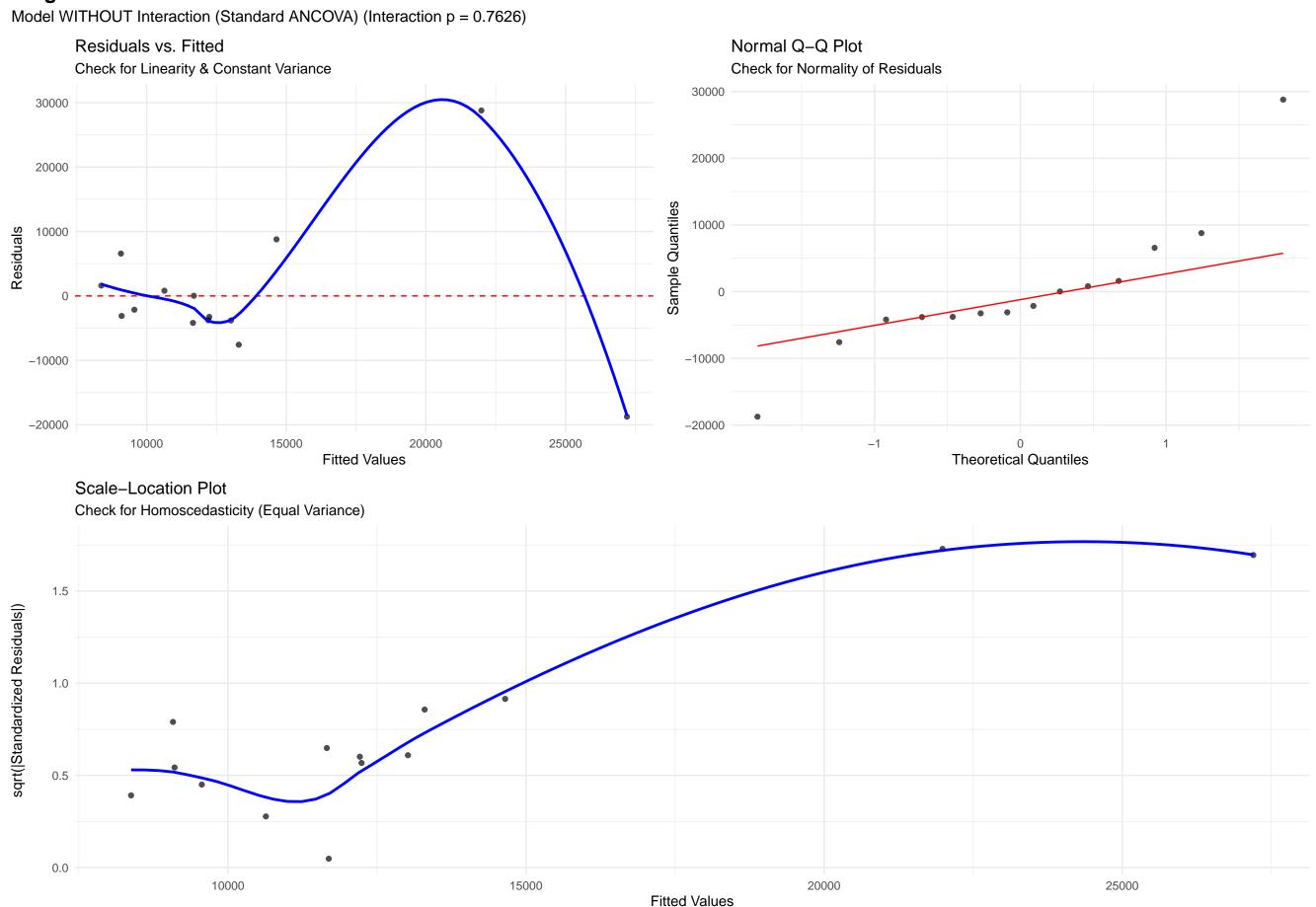


Diagnostics for: Maximum Velocity

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7708)



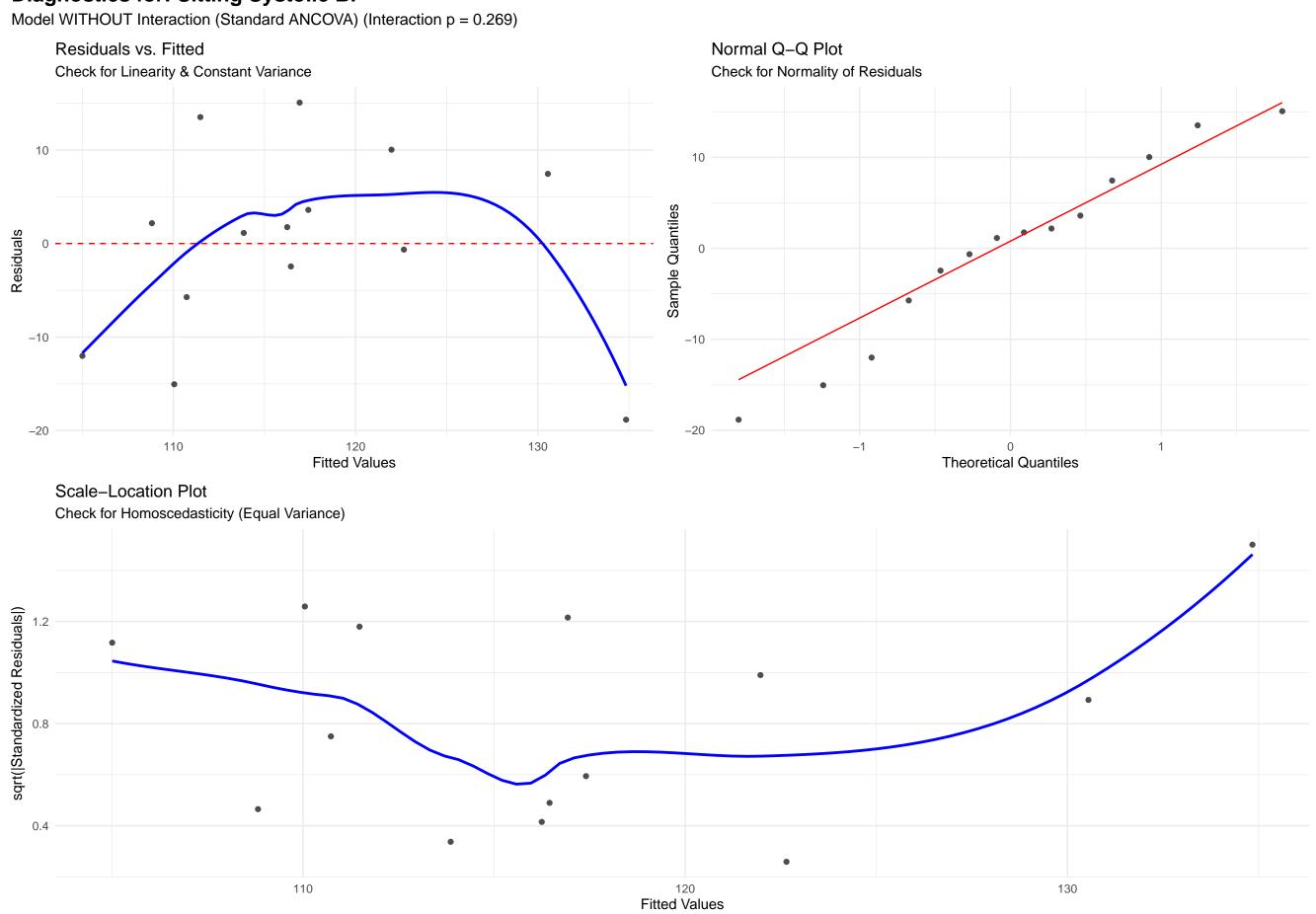
Diagnostics for: Shear Area to Maximum



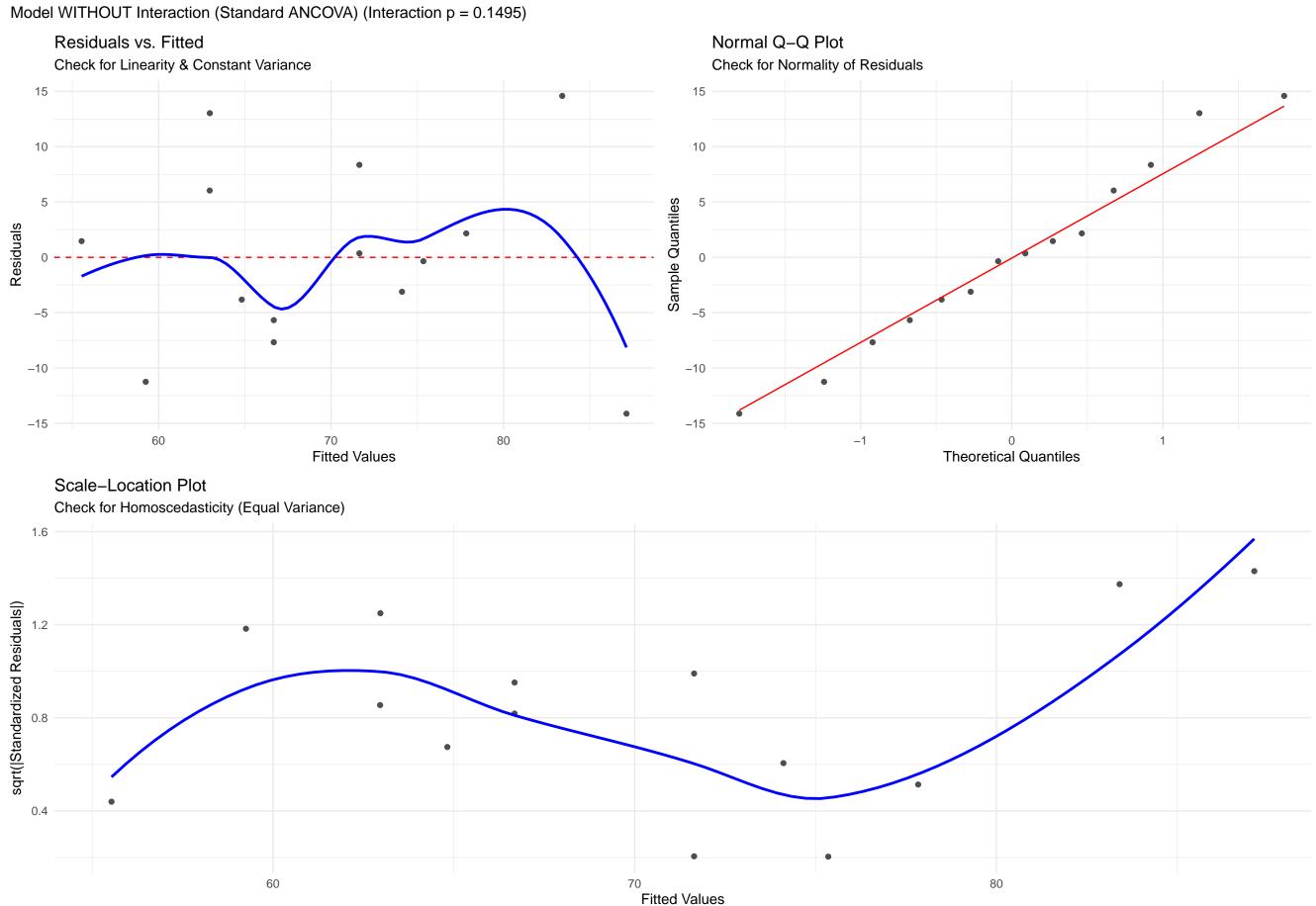
Diagnostics for: Shear AUC Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.2796) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 10000 10000 Sample Quantiles Residuals -10000-20000 -1000012000 14000 16000 18000 Fitted Values Theoretical Quantiles Scale-Location Plot Check for Homoscedasticity (Equal Variance) 1.5 sqrt(|Standardized Residuals|) 1.0 0.5 0.0 12000 14000 16000 18000

Fitted Values

Diagnostics for: Sitting Systolic BP



Diagnostics for: Sitting Diastolic BP



Diagnostics for: VO2 Peak (mL/kig/min) Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.8995) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 5 Sample Quantiles Residuals -5 10 20 Theoretical Quantiles Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) sqrt(|Standardized Residuals|)

Fitted Values

30

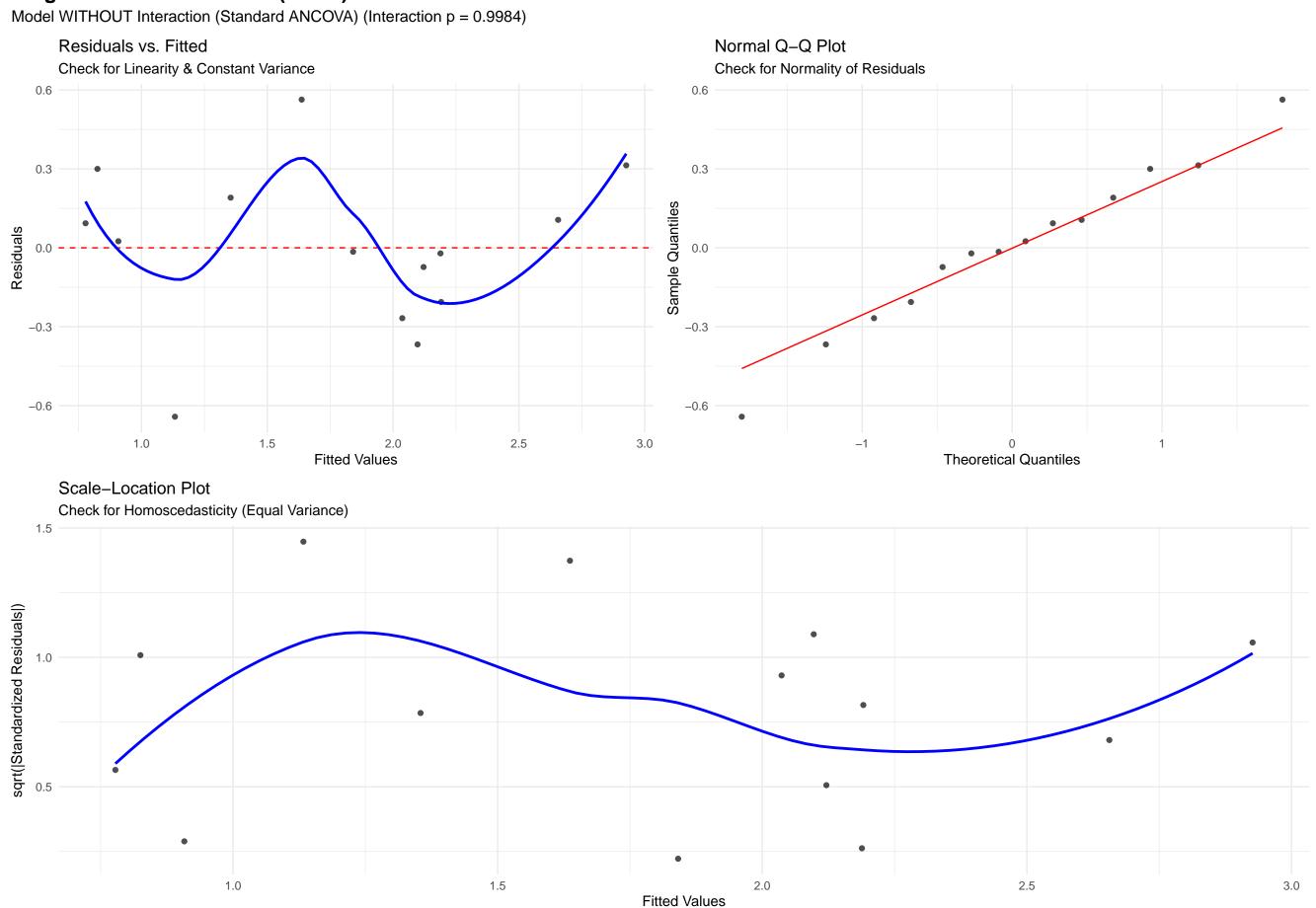
40

20

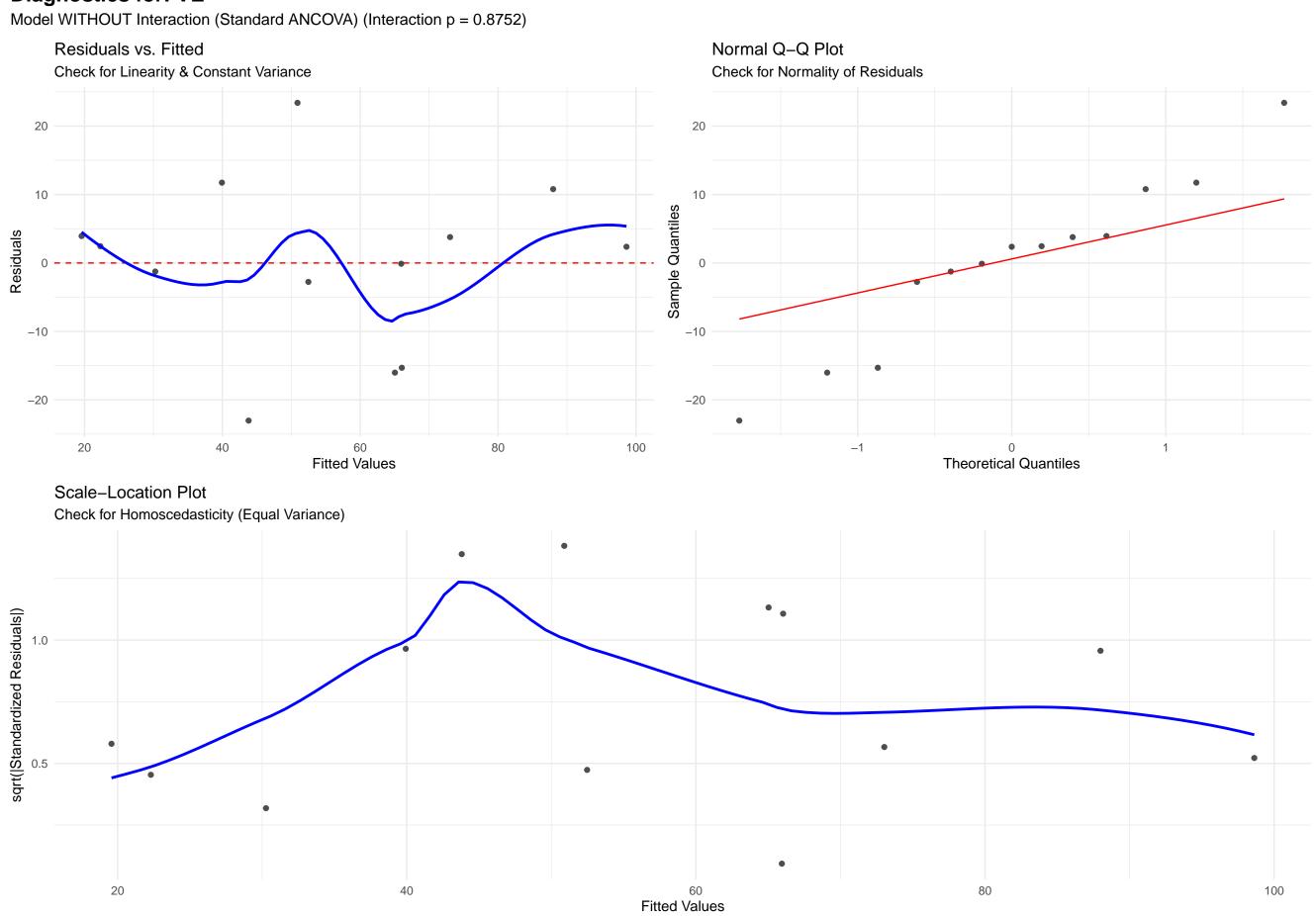
0.0

10

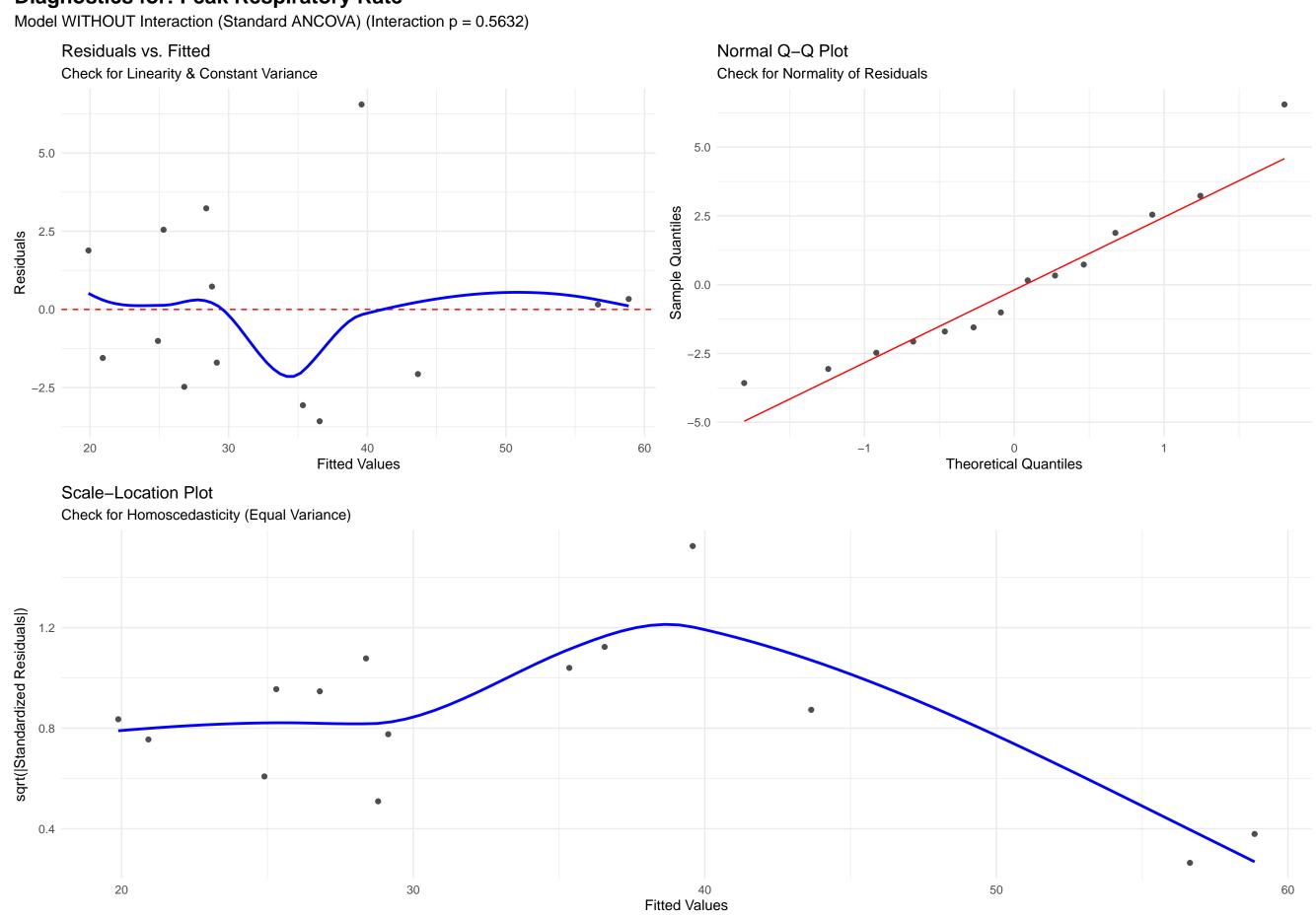
Diagnostics for: VO2 Peak (L/min)



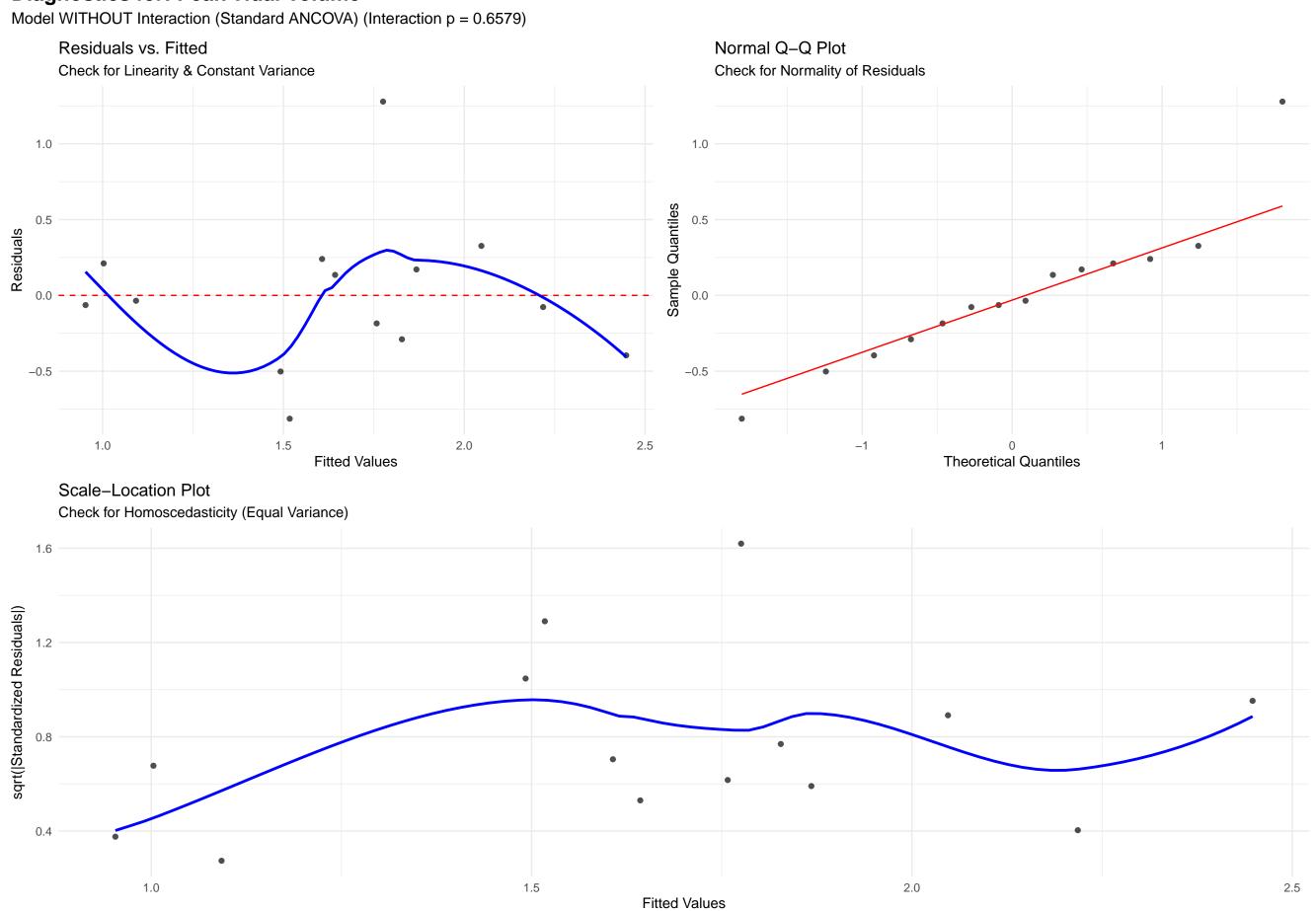
Diagnostics for: VE



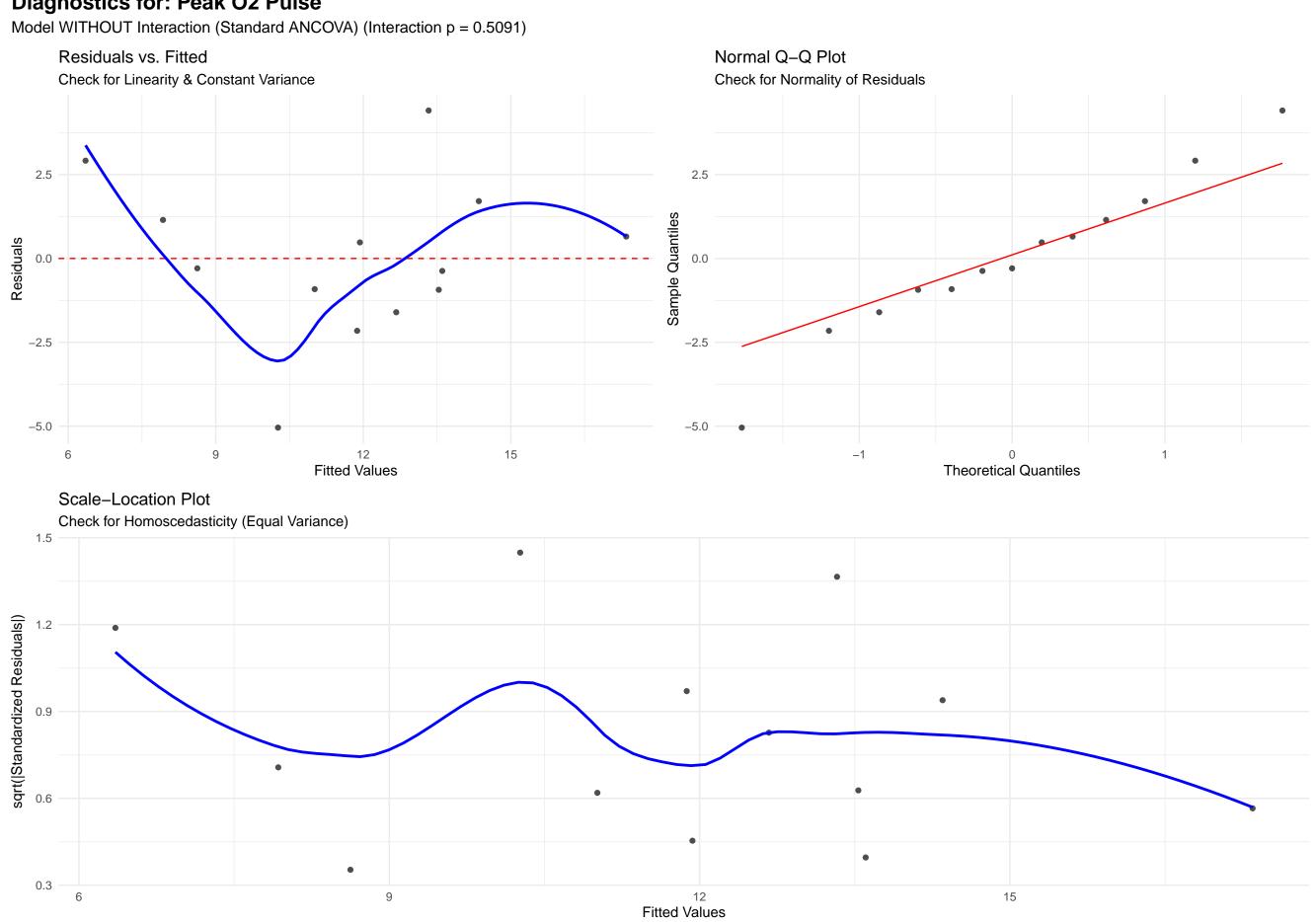
Diagnostics for: Peak Respiratory Rate



Diagnostics for: Peak Tidal Volume

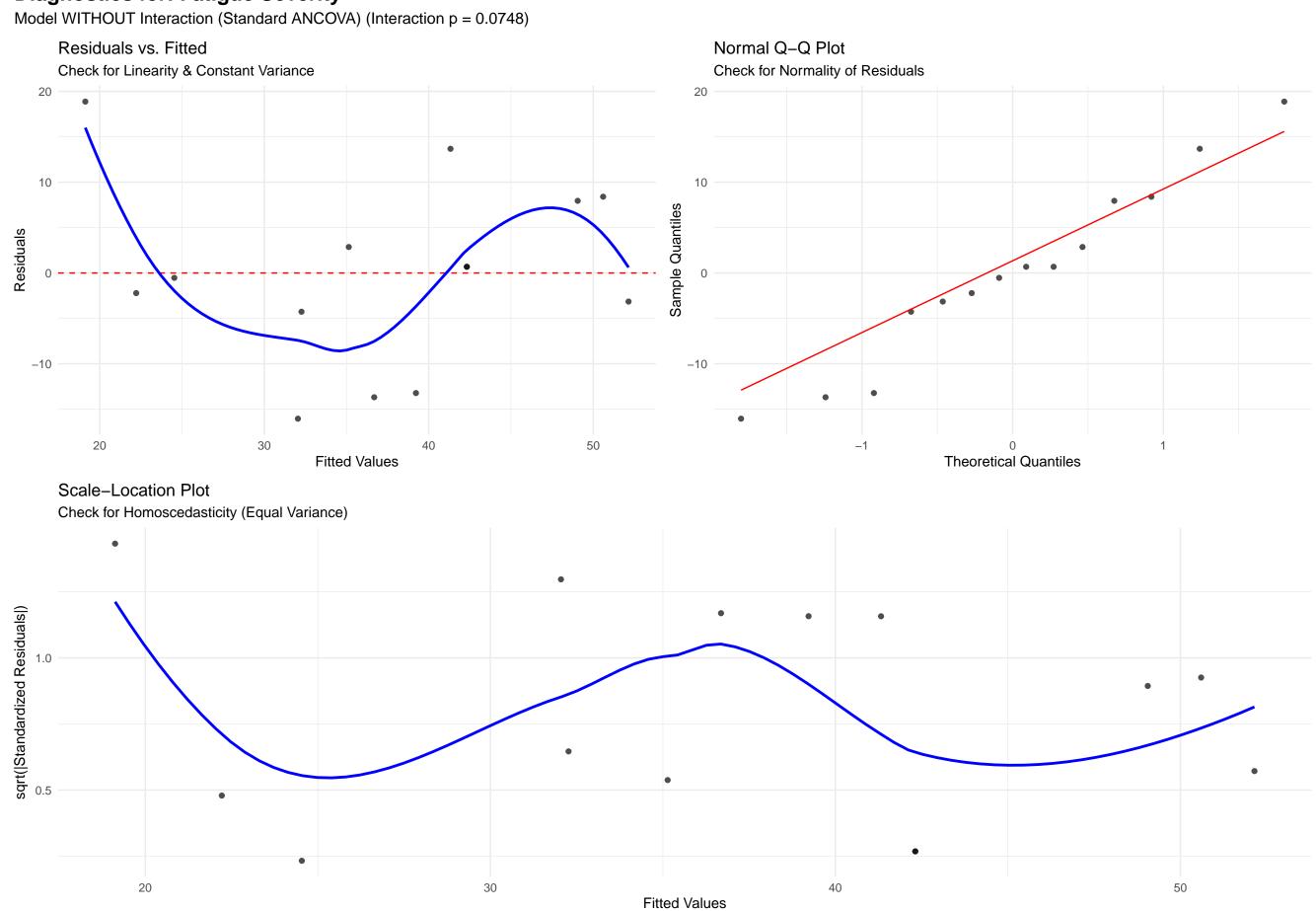


Diagnostics for: Peak O2 Pulse



Diagnostics for: Peak RER Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.2095) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 0.2 Sample Quantiles 0.1 Residuals 0.0 -0.10.9 1.1 1.0 Theoretical Quantiles Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) 1.50 sqrt(|Standardized Residuals|) 0.50 0.9 1.0 1.1 Fitted Values

Diagnostics for: Fatigue Severity



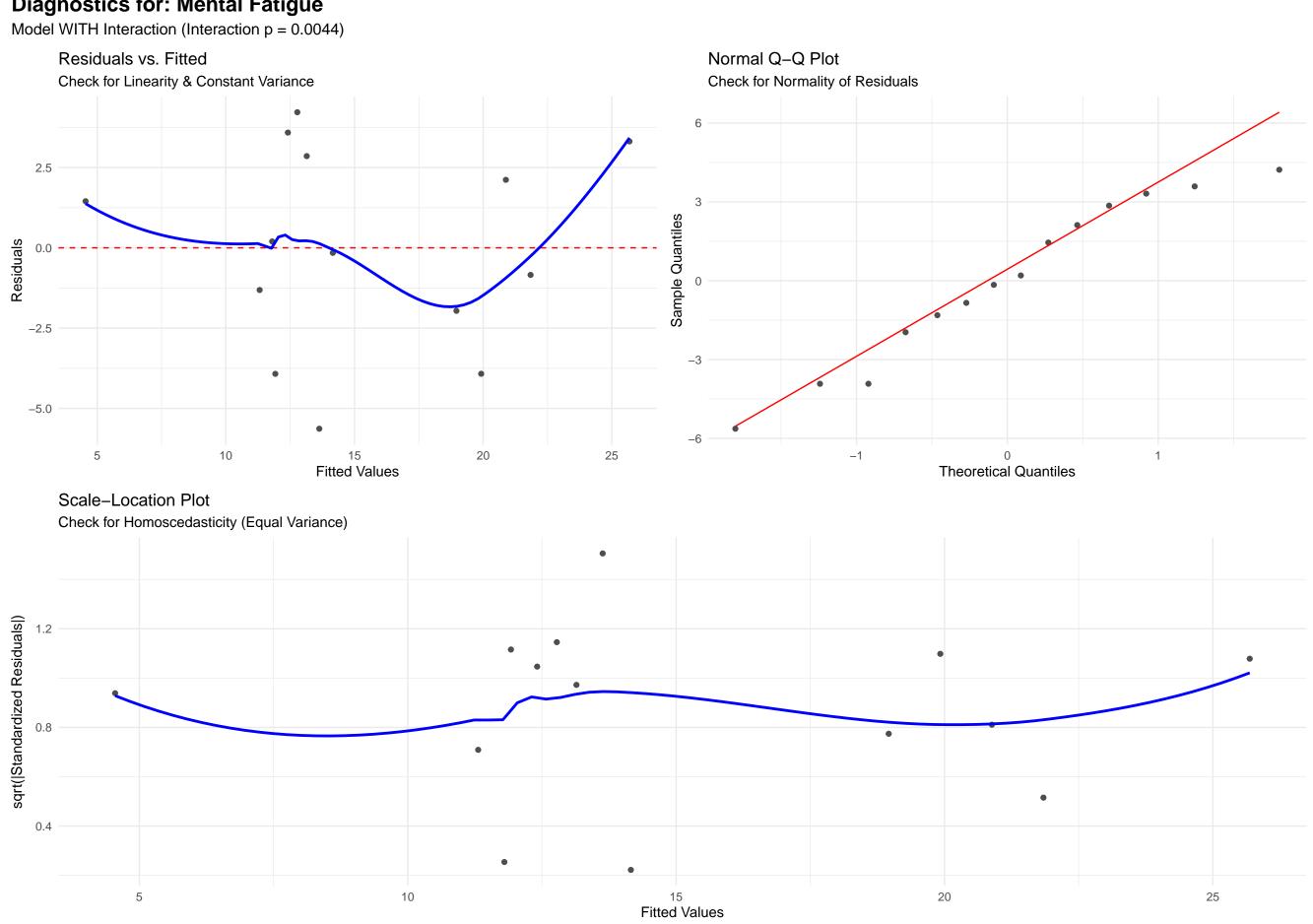
Diagnostics for: Post-Exertional Malaise (DSQ) Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.2787) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 10 10 Sample Quantiles Residuals -5 -10 20 **Theoretical Quantiles** Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) sqrt(|Standardized Residuals|)

10

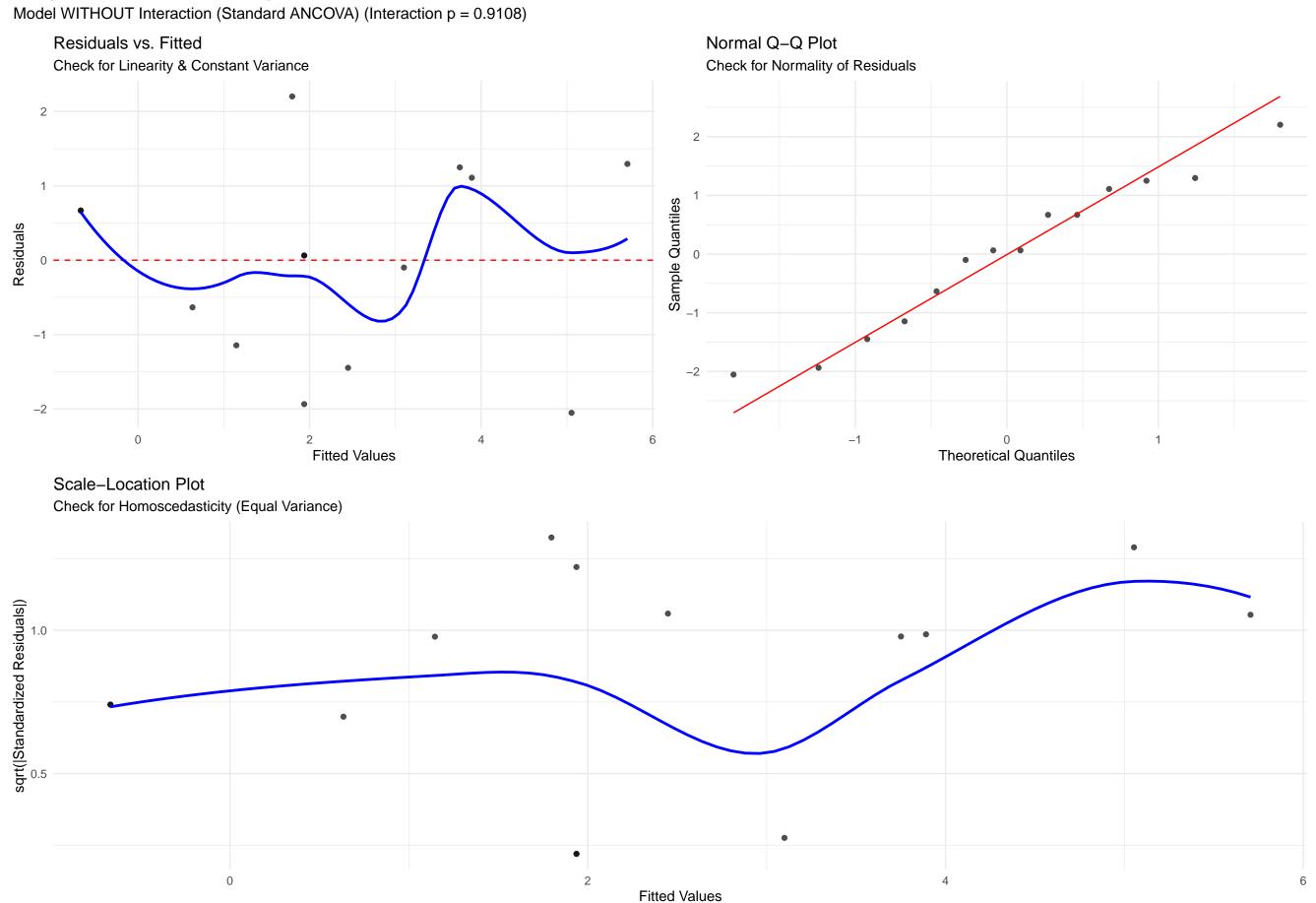
Fitted Values

20

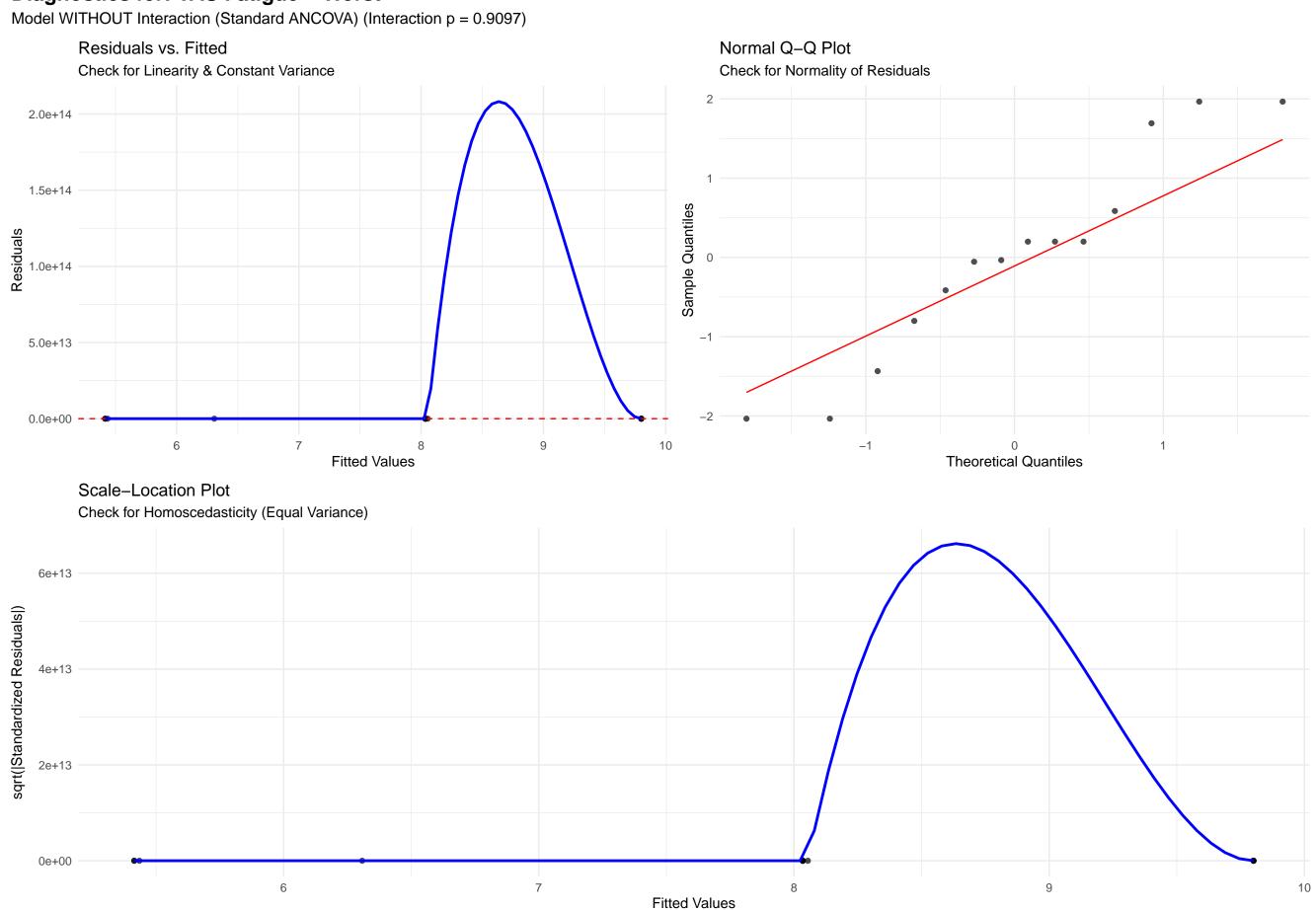
Diagnostics for: Mental Fatigue



Diagnostics for: VAS Fatigue – Best



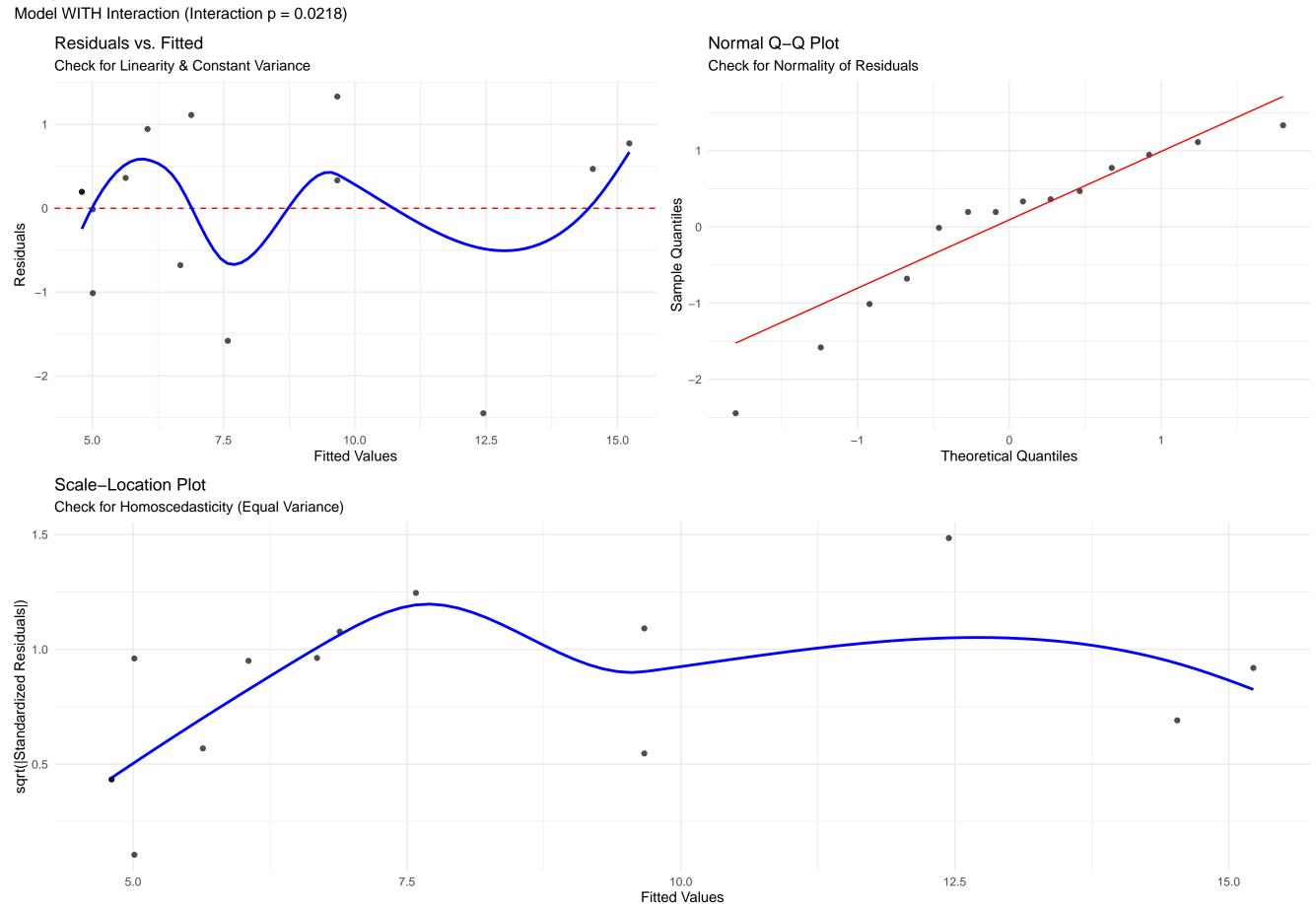
Diagnostics for: VAS Fatigue – Worst



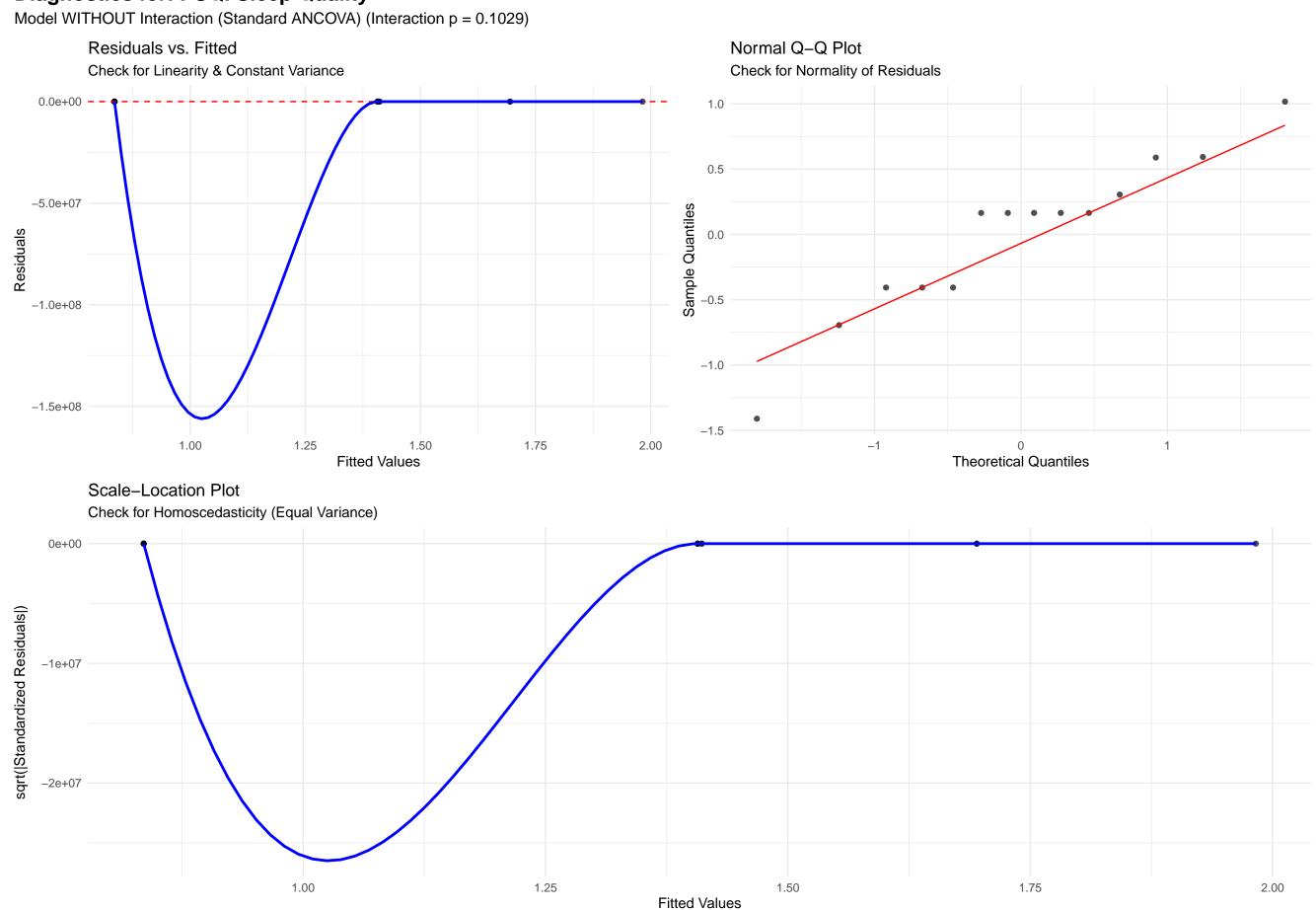
Diagnostics for: VAS Fatigue – Current Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.409) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals Sample Quantiles Residuals -2 Theoretical Quantiles Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) sqrt(|Standardized Residuals|)

Fitted Values

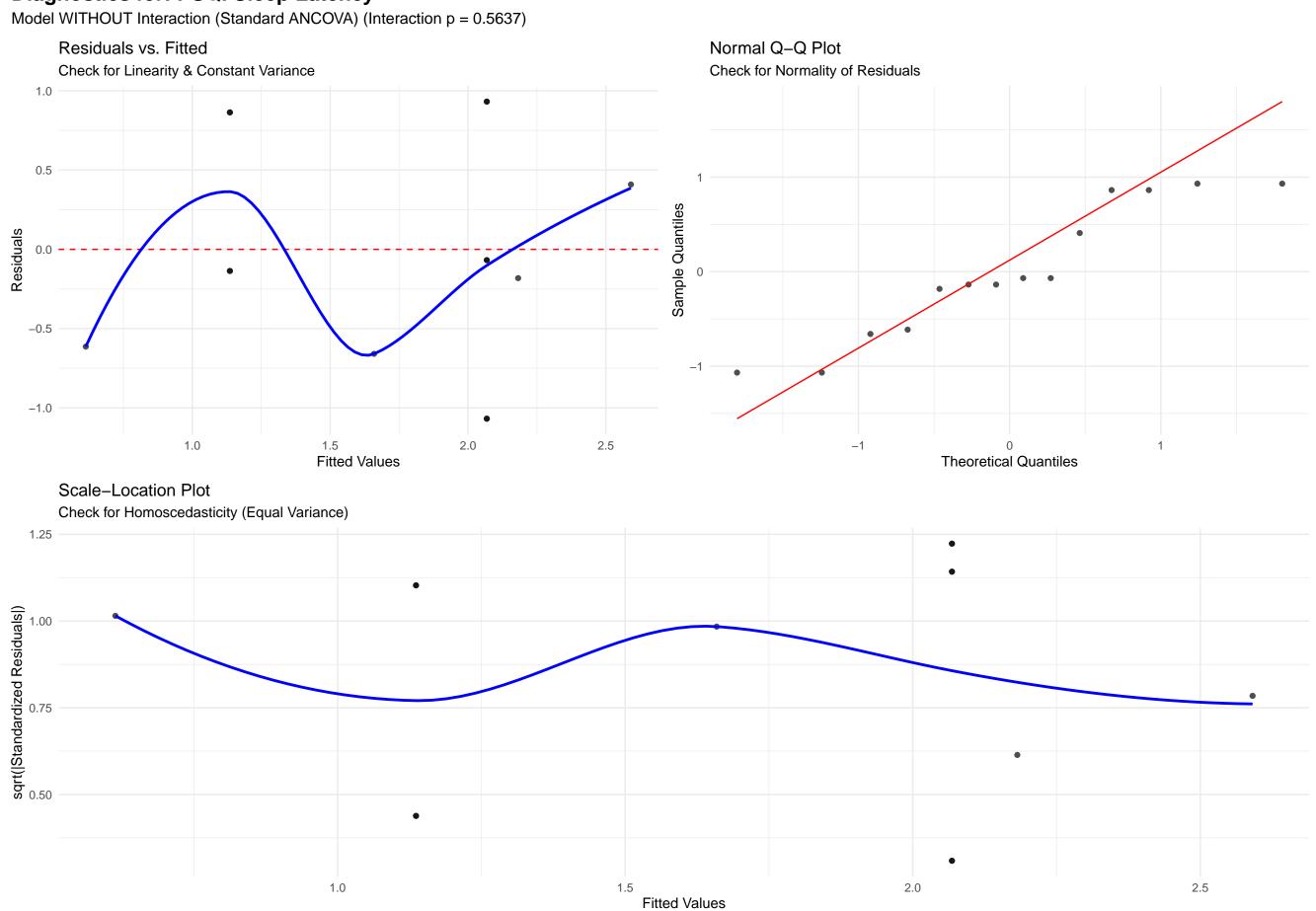
Diagnostics for: PSQI Total



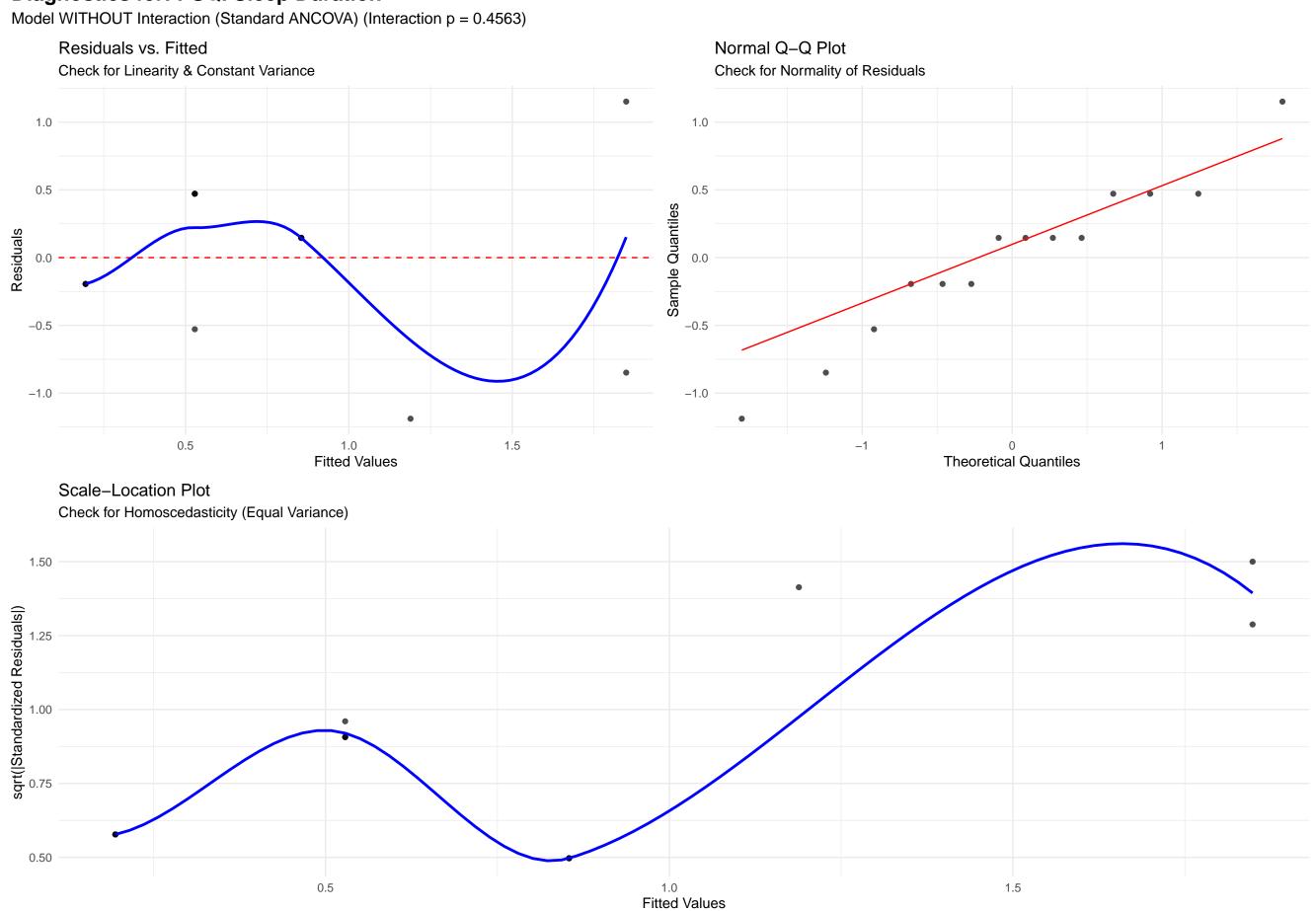
Diagnostics for: PSQI Sleep Quality



Diagnostics for: PSQI Sleep Latency

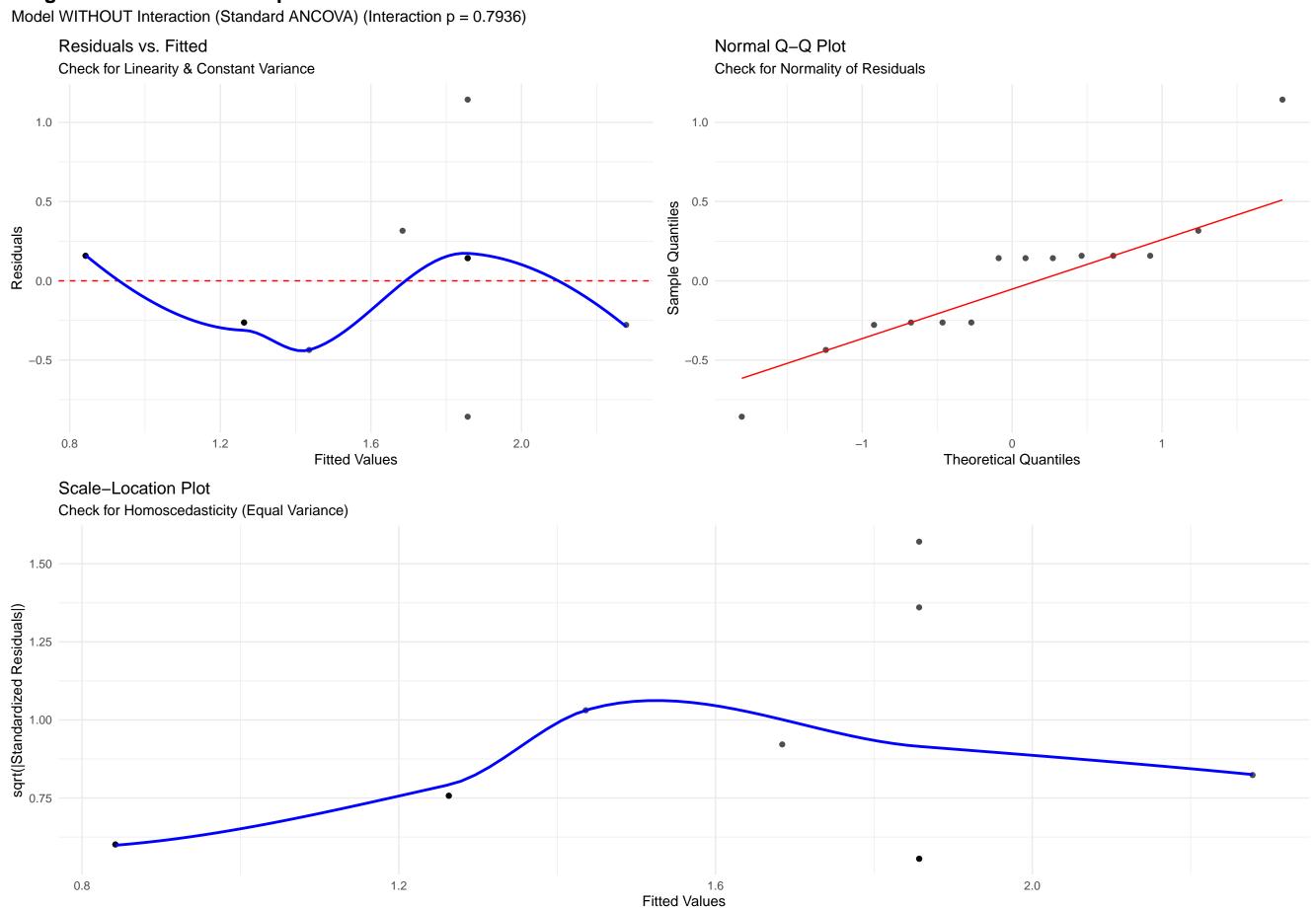


Diagnostics for: PSQI Sleep Duration

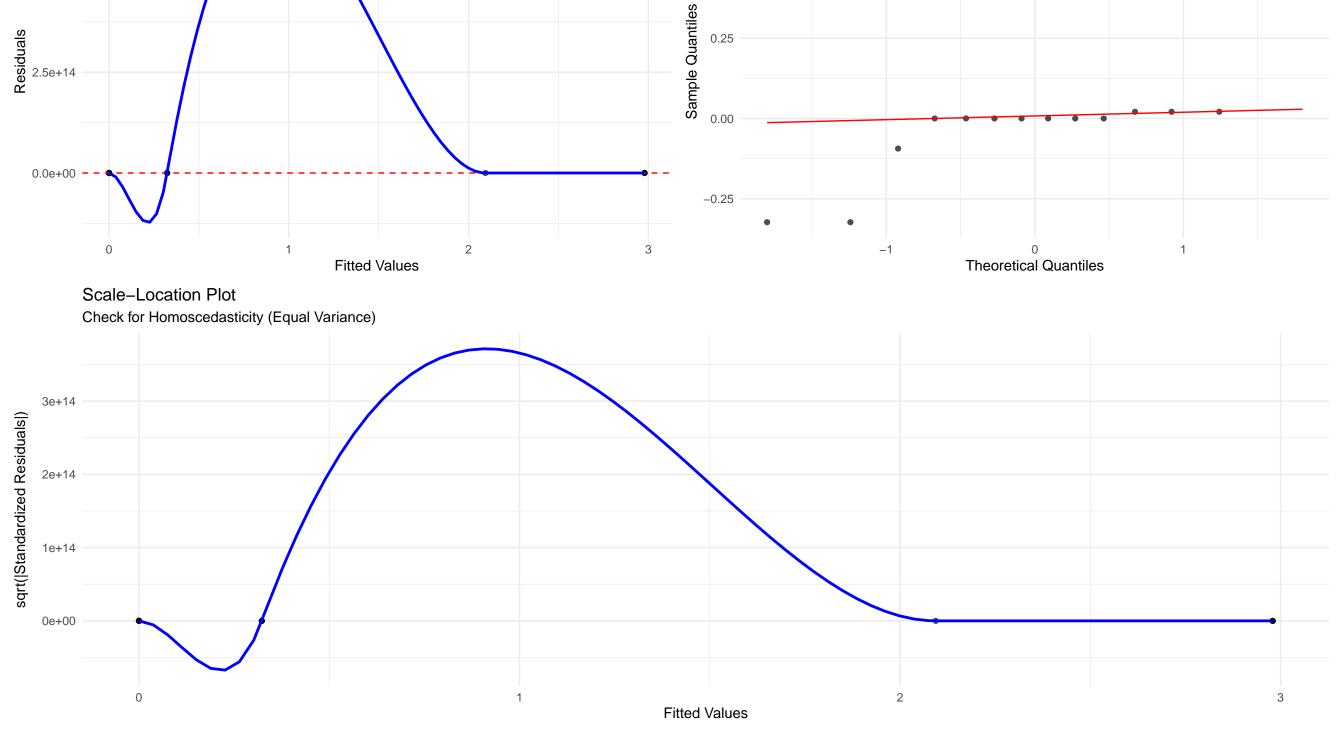


Diagnostics for: PSQI Sleep Efficiency Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.6218) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 1.0 1.0 0.5 0.5 Sample Quantiles Residuals 0.0 -0.5-0.5 -1.0-1.0**Theoretical Quantiles** Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) sqrt(|Standardized Residuals|) Fitted Values

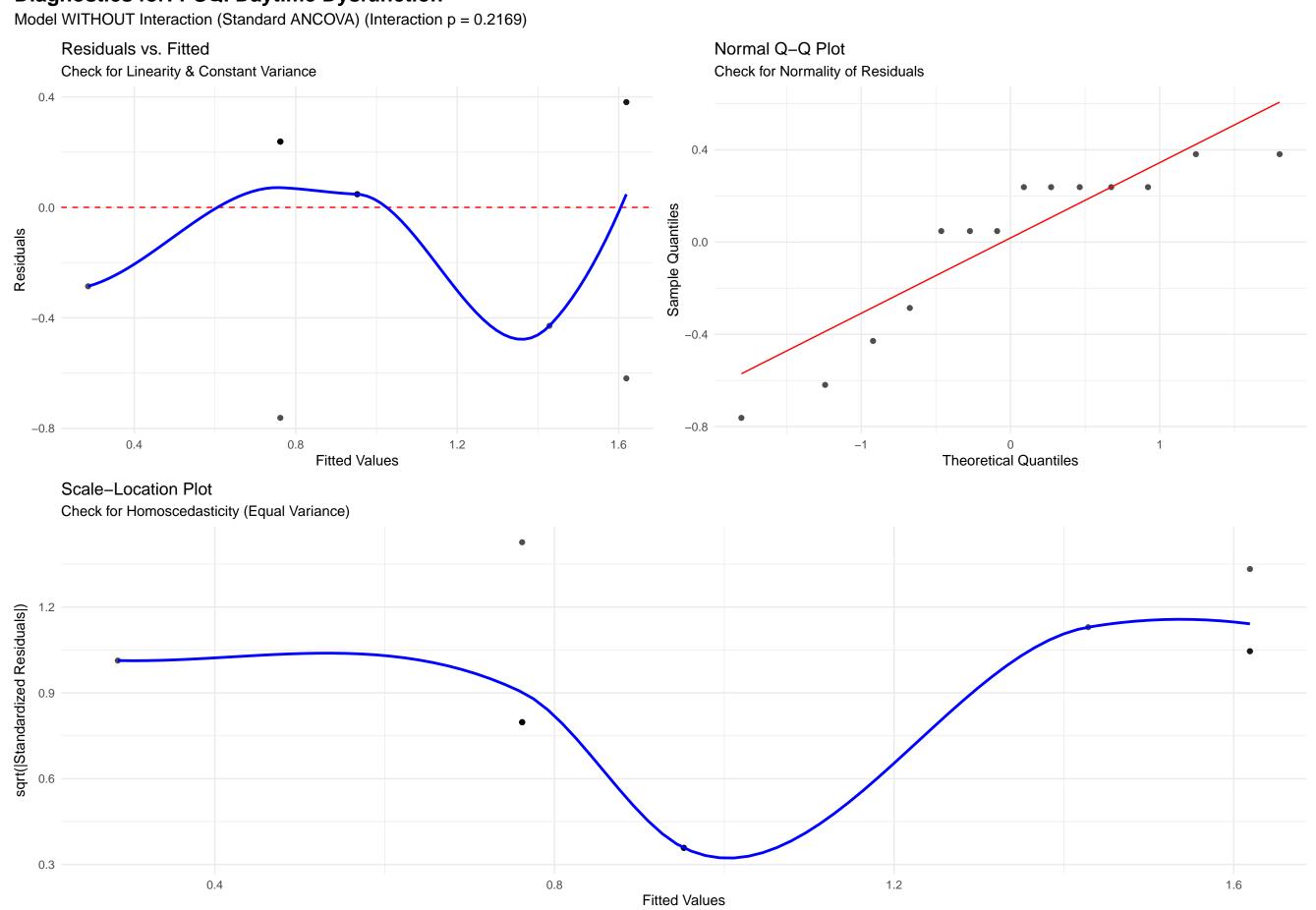
Diagnostics for: PSQI Sleep Disturbances



Diagnostics for: PSQI Sleep Medication Model WITH Interaction (Interaction p = 2e–04) Residuals vs. Fitted Check for Linearity & Constant Variance The siduals of Residuals 5.0e+14 One of the siduals of Residuals One of the siduals of Residuals of



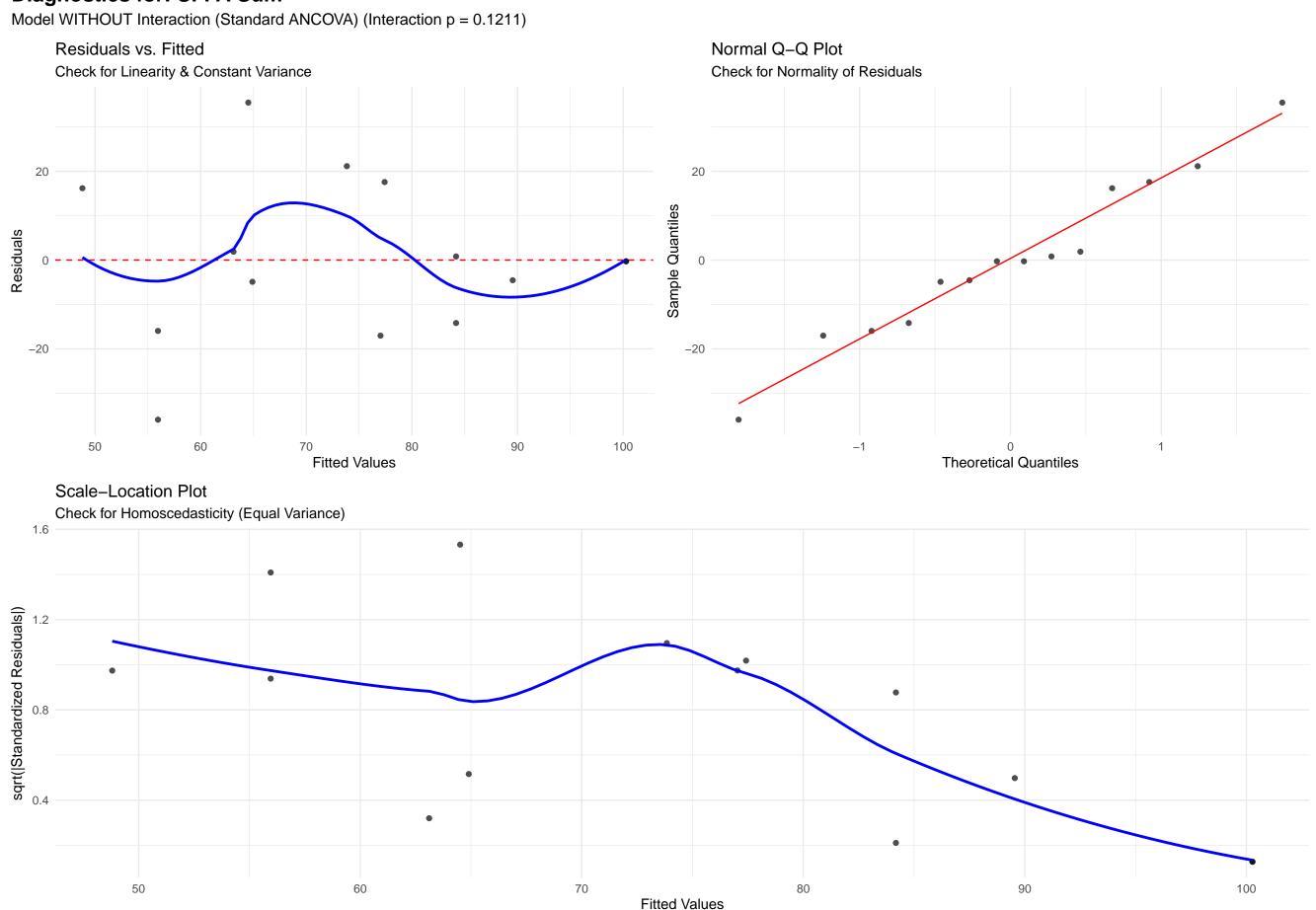
Diagnostics for: PSQI Daytime Dysfunction



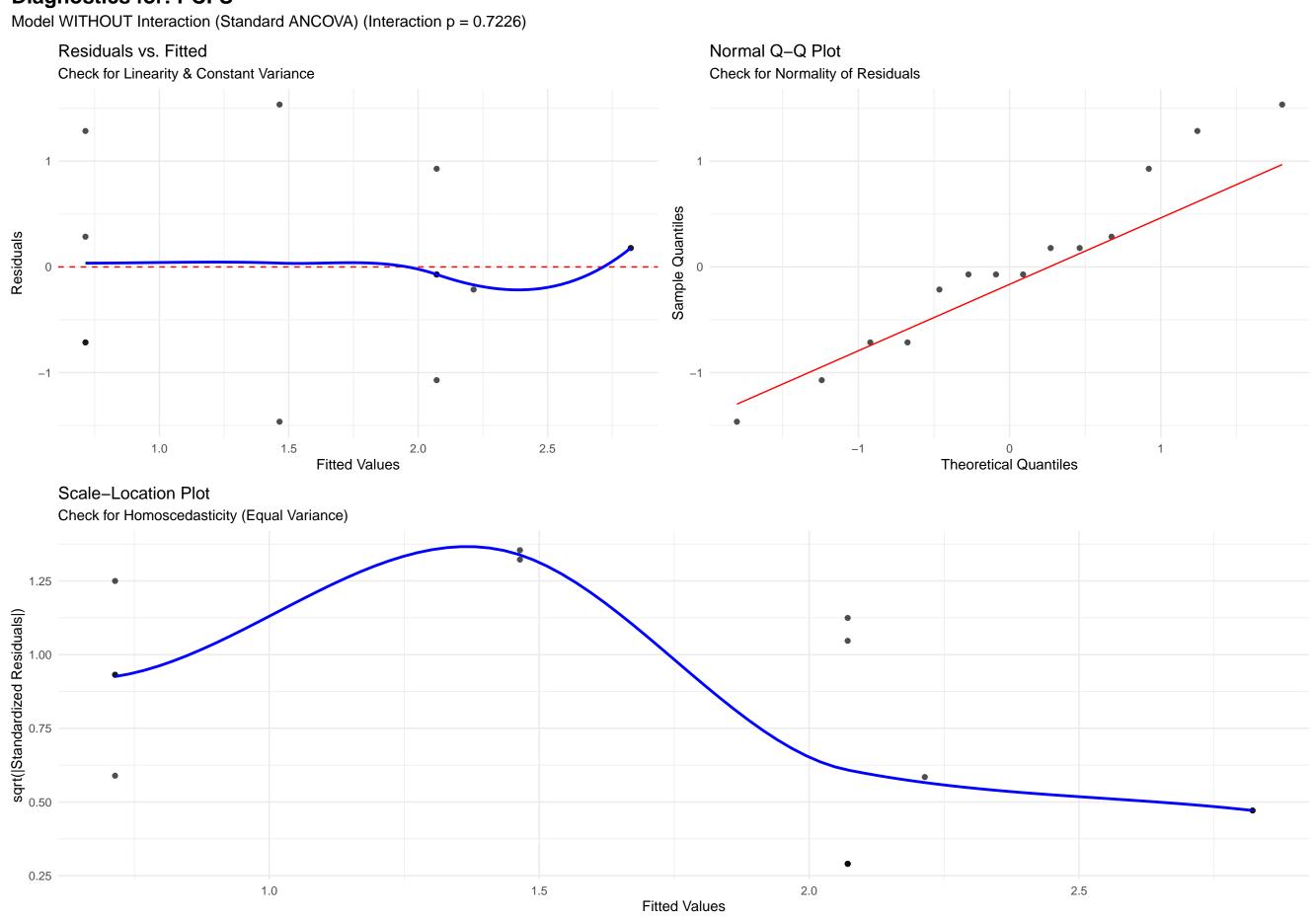
Diagnostics for: MMRC Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9319) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 1.0 0.5 Sample Quantiles Residuals -0.5 -1.0-1.52 **Theoretical Quantiles** Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) 1.4 sqrt(|Standardized Residuals|)

Fitted Values

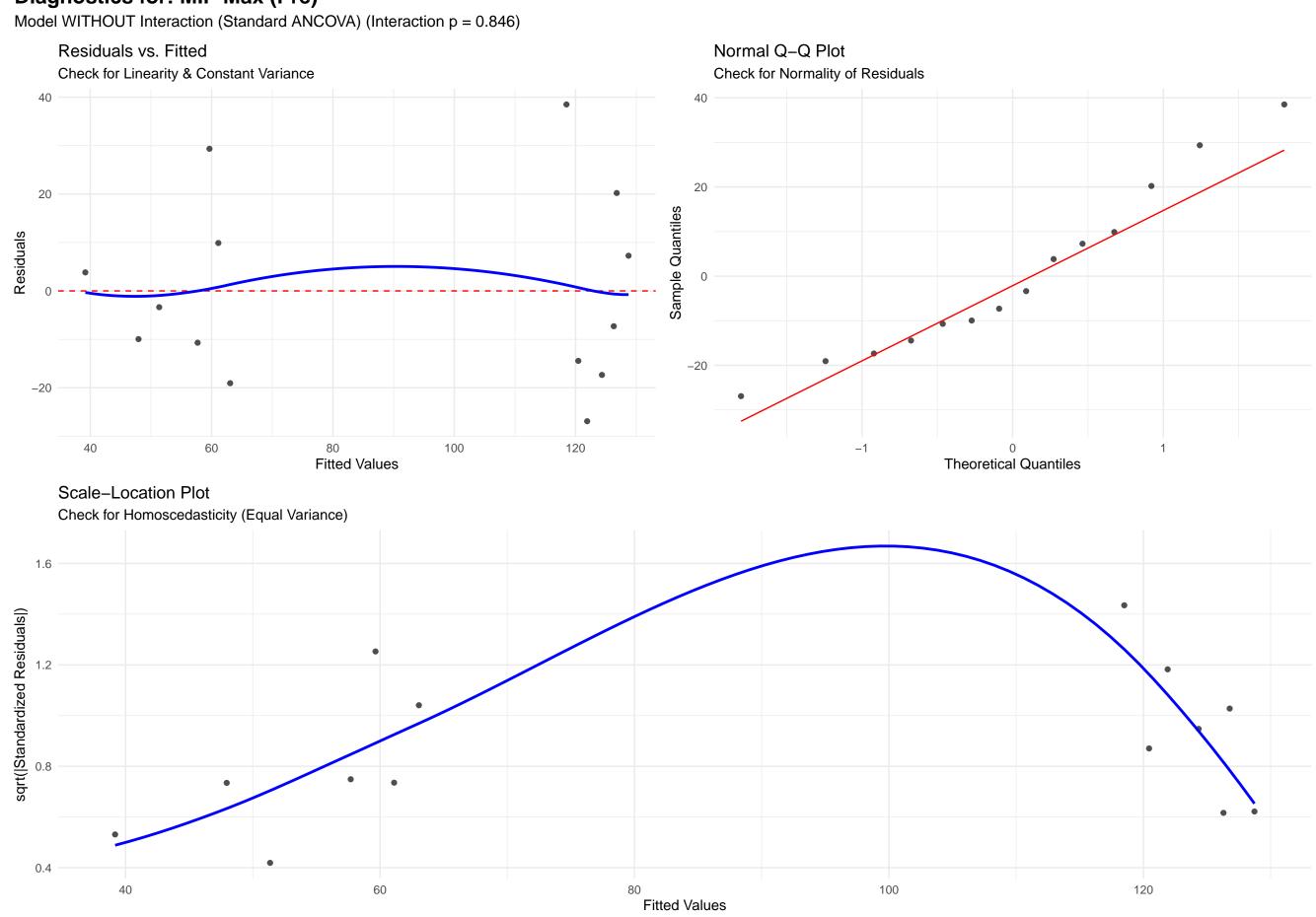
Diagnostics for: SFPA Sum



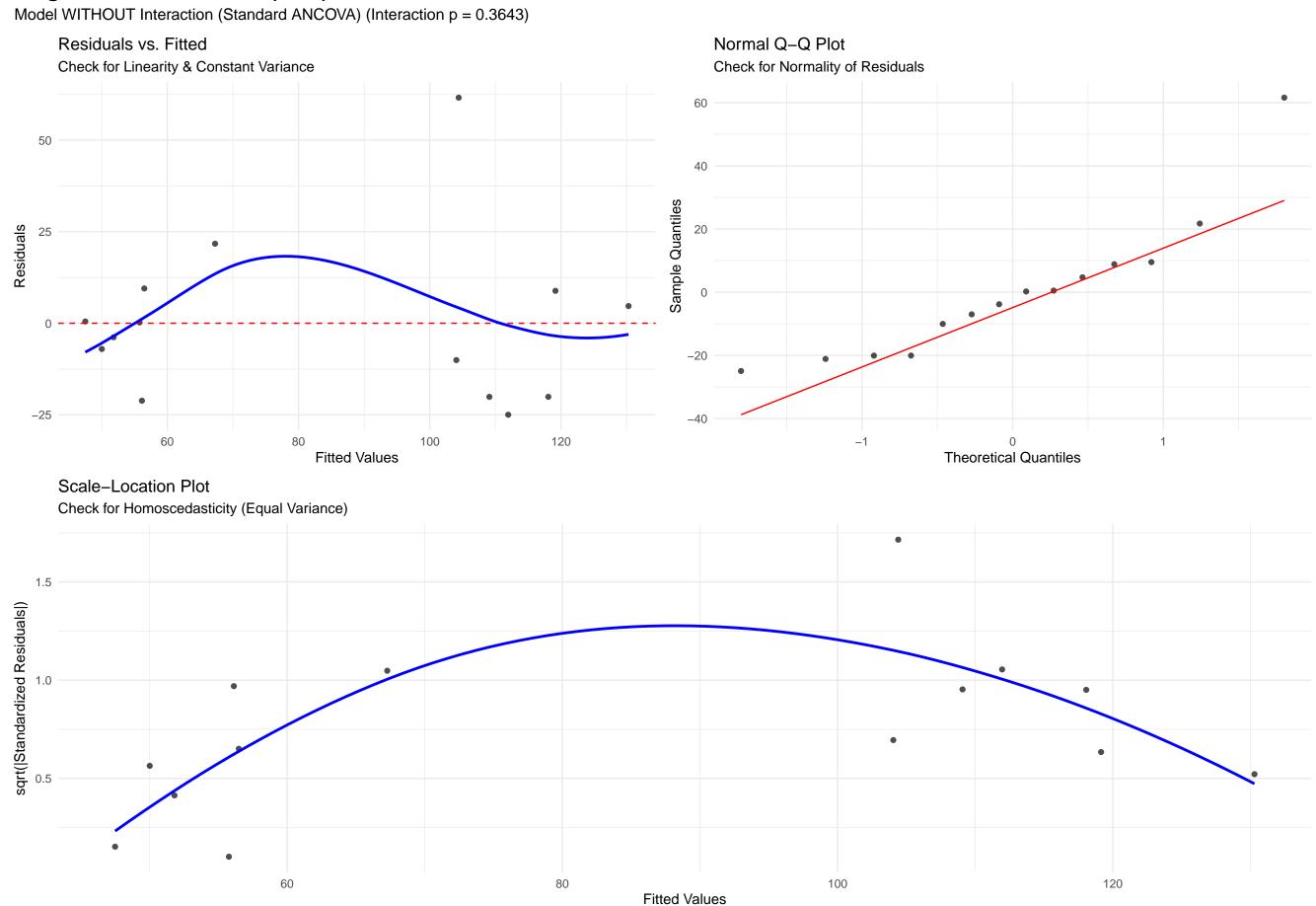
Diagnostics for: PCFS



Diagnostics for: MIP Max (Pre)



Diagnostics for: MIP Max (Post)



Diagnostics for: SMIP Max (Pre) Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.1711) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 200 200 100 100 Sample Quantiles Residuals -100 -100 -200 500 100 200 400 Fitted Values Theoretical Quantiles Scale-Location Plot Check for Homoscedasticity (Equal Variance) sqrt(|Standardized Residuals|)

300

Fitted Values

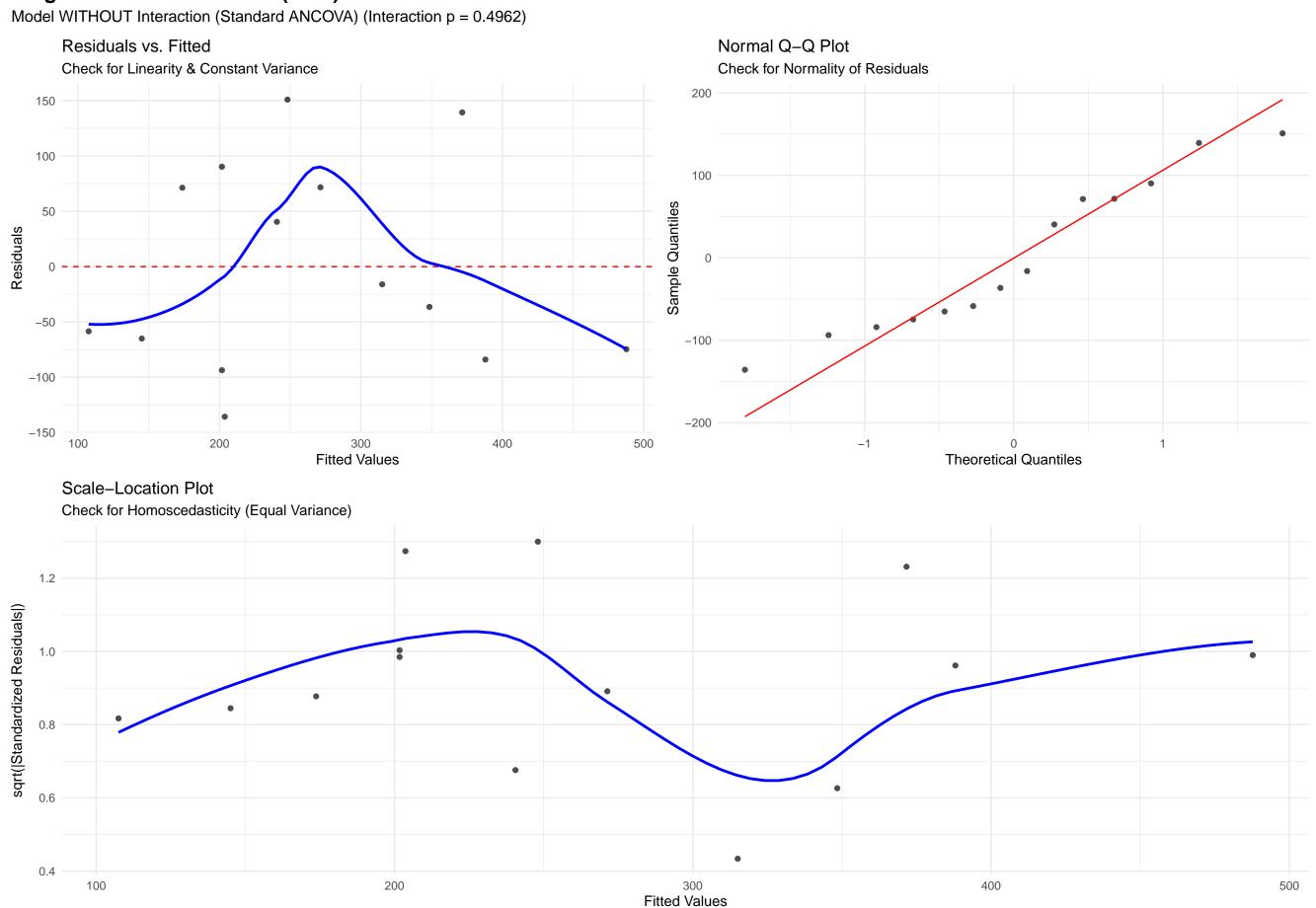
400

500

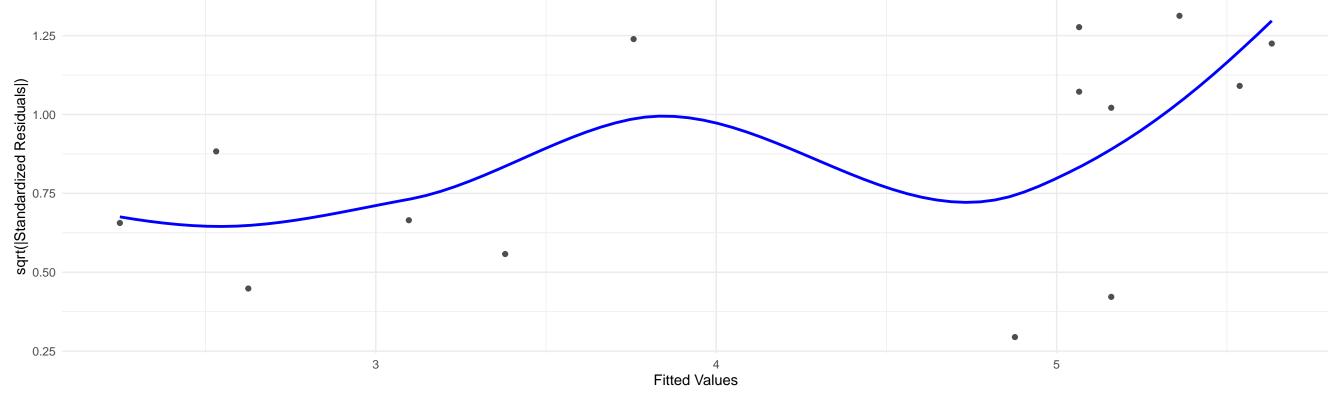
100

200

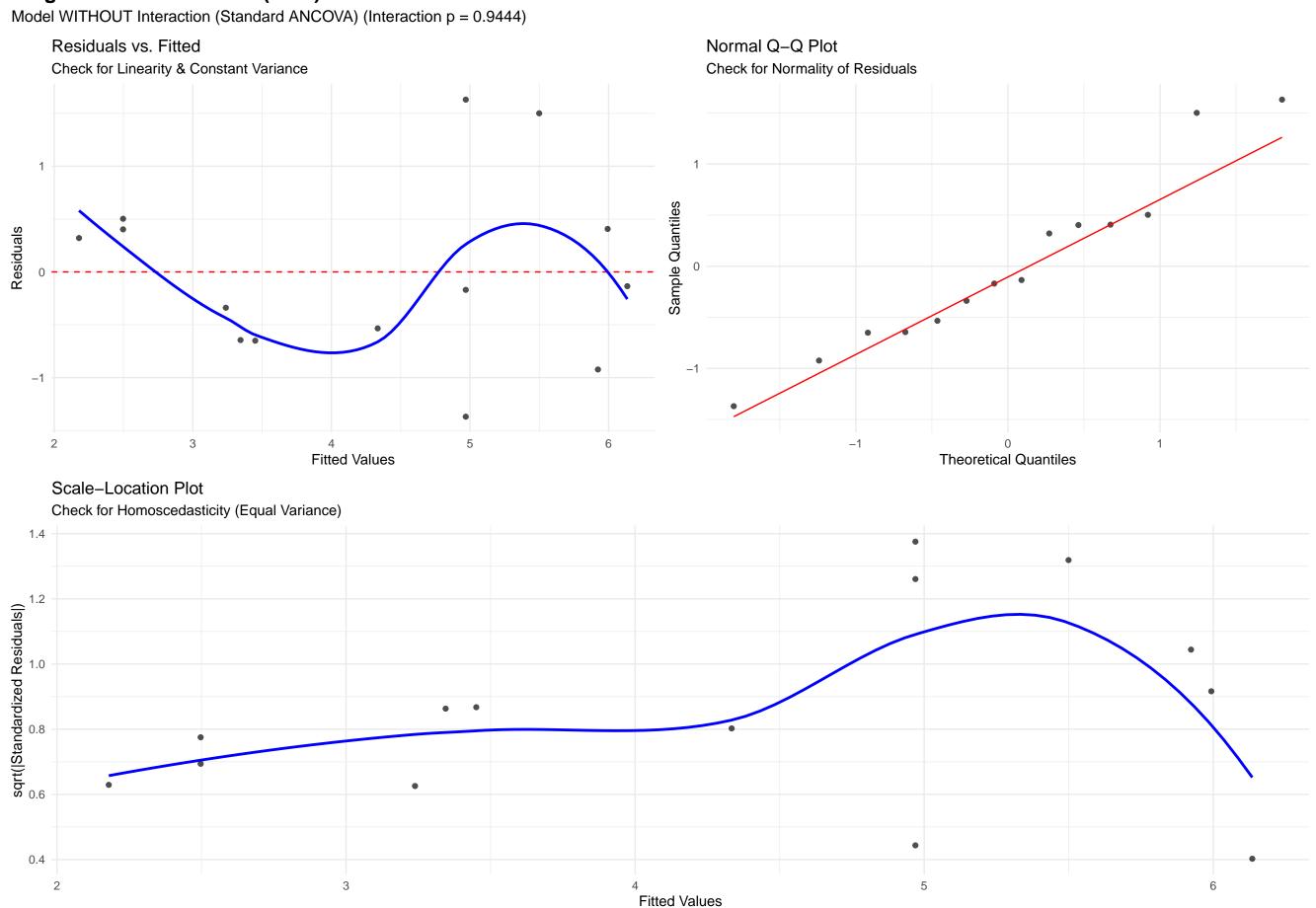
Diagnostics for: SMIP Max (Post)



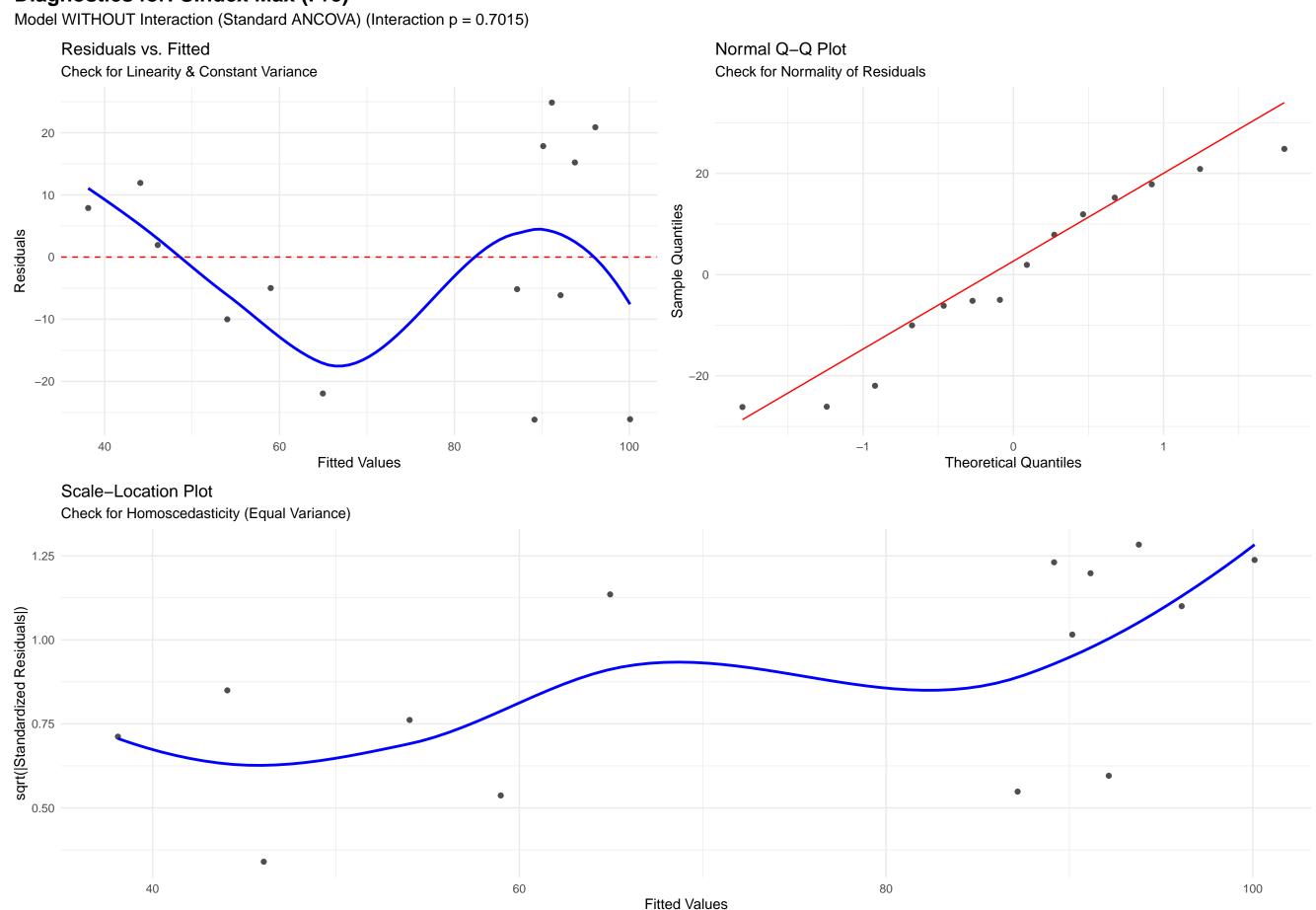
Diagnostics for: PIF Max (Pre) Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.8066) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 1.0 0.5 Sample Quantiles Residuals -0.5 -1.0-1.53 Theoretical Quantiles Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) 1.25



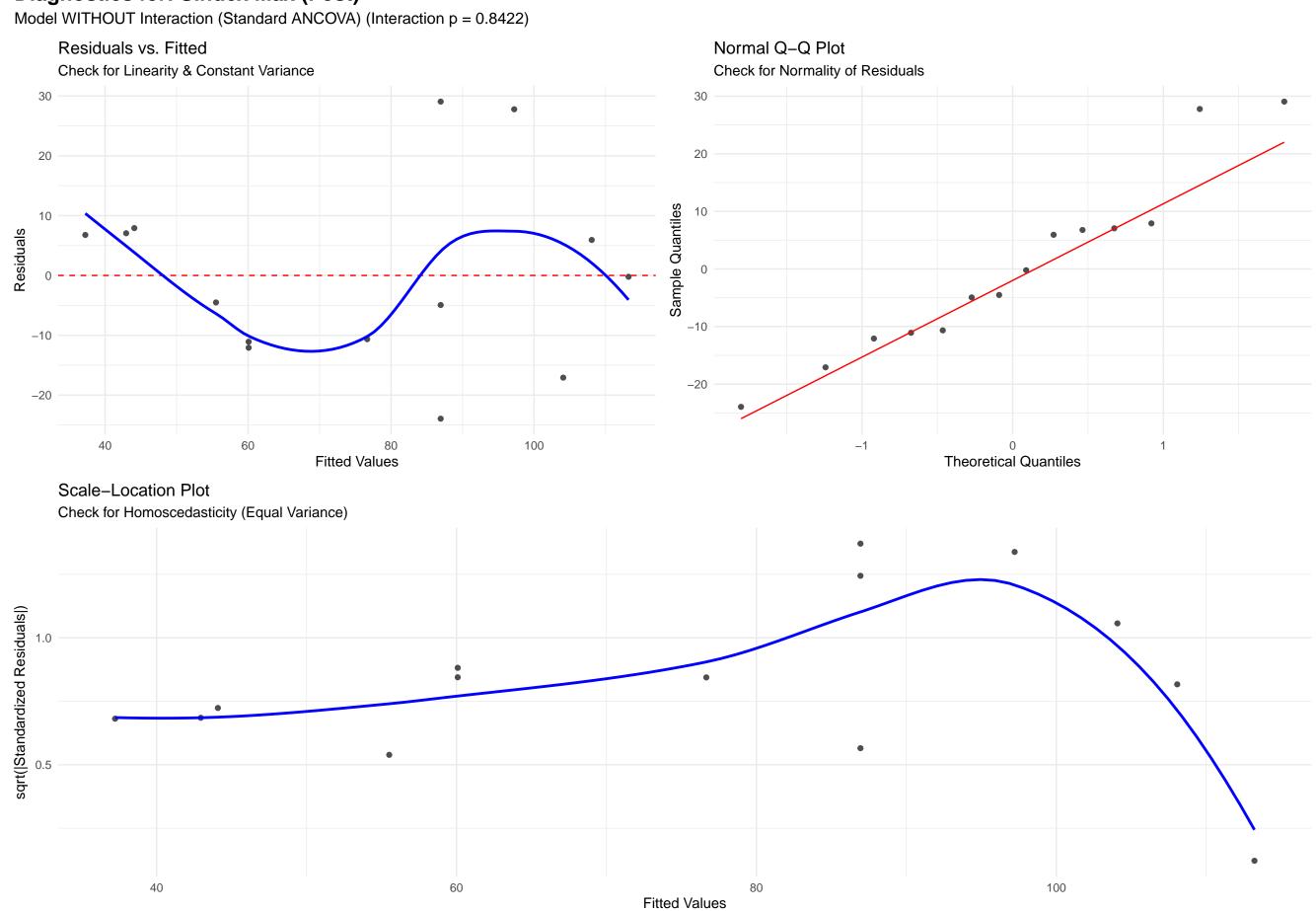
Diagnostics for: PIF Max (Post)



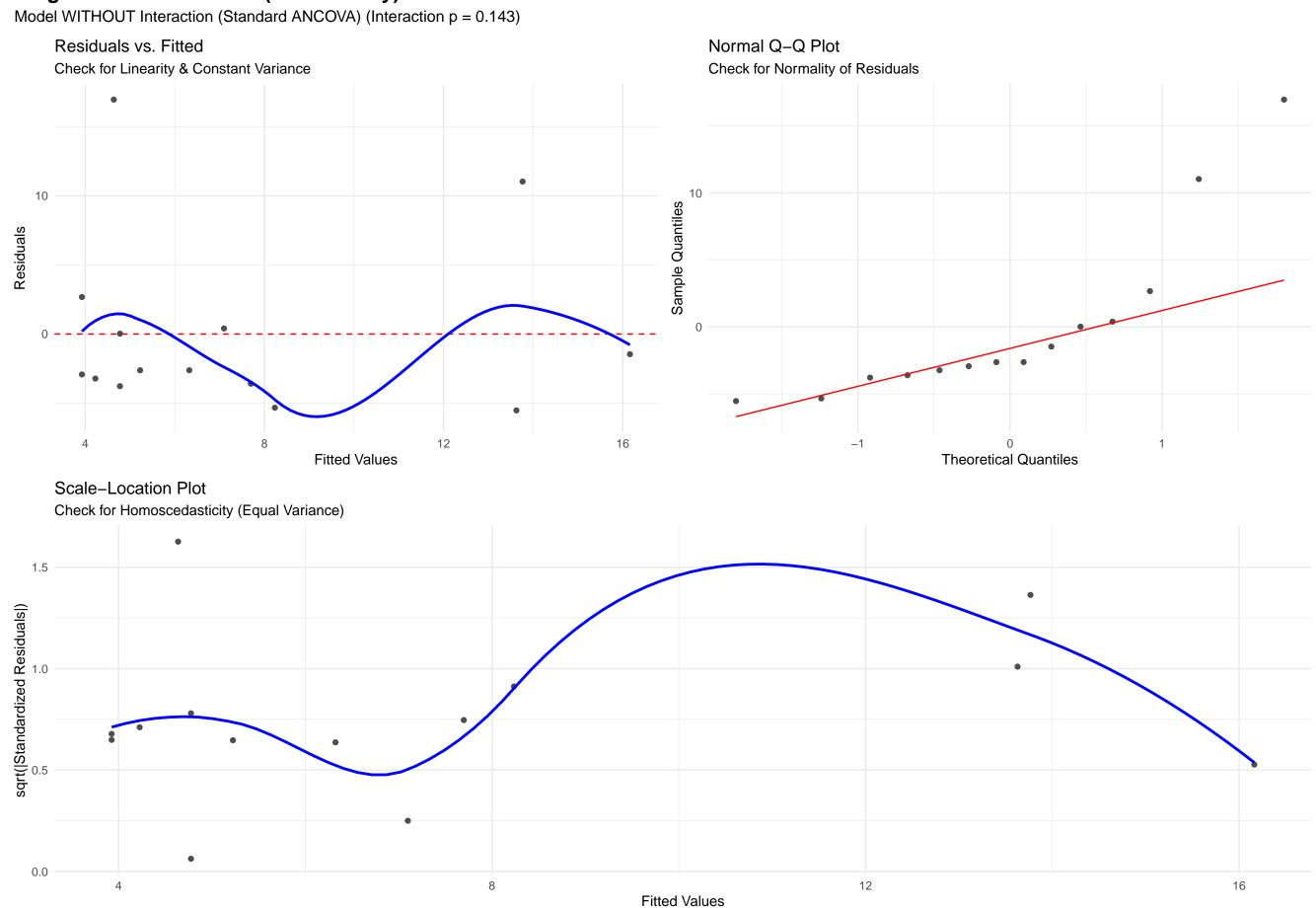
Diagnostics for: SIndex Max (Pre)



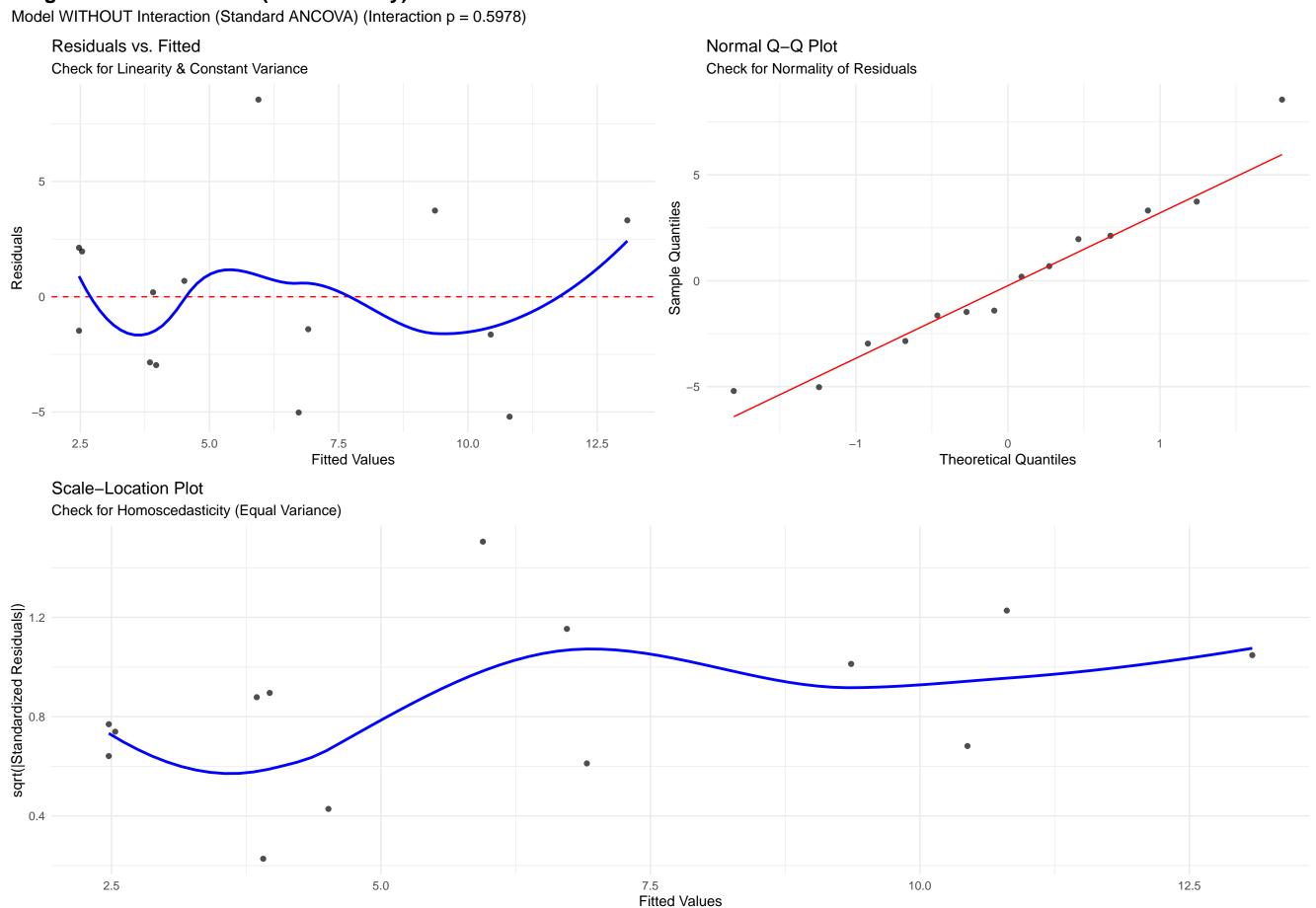
Diagnostics for: SIndex Max (Post)



Diagnostics for: FIT Max (Pre-Activity)



Diagnostics for: FIT Max (Post–Activity)



Diagnostics for: Volume Max (Pre-Activity) Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.5637) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 1.2 1.0 8.0 0.5 Sample Quantiles Residuals 0.0 -0.5 -0.4-1.02.0 3.0 Fitted Values **Theoretical Quantiles** Scale-Location Plot Check for Homoscedasticity (Equal Variance) 1.5 sqrt(|Standardized Residuals|) 2.0 3.0 2.5

Fitted Values

Diagnostics for: Volume Max (Post-Activity) Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.6474) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 75 60 50 Sample Quantiles Residuals -25 -20 10 5 15 **Theoretical Quantiles** Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) sqrt(|Standardized Residuals|)

10

Fitted Values

15

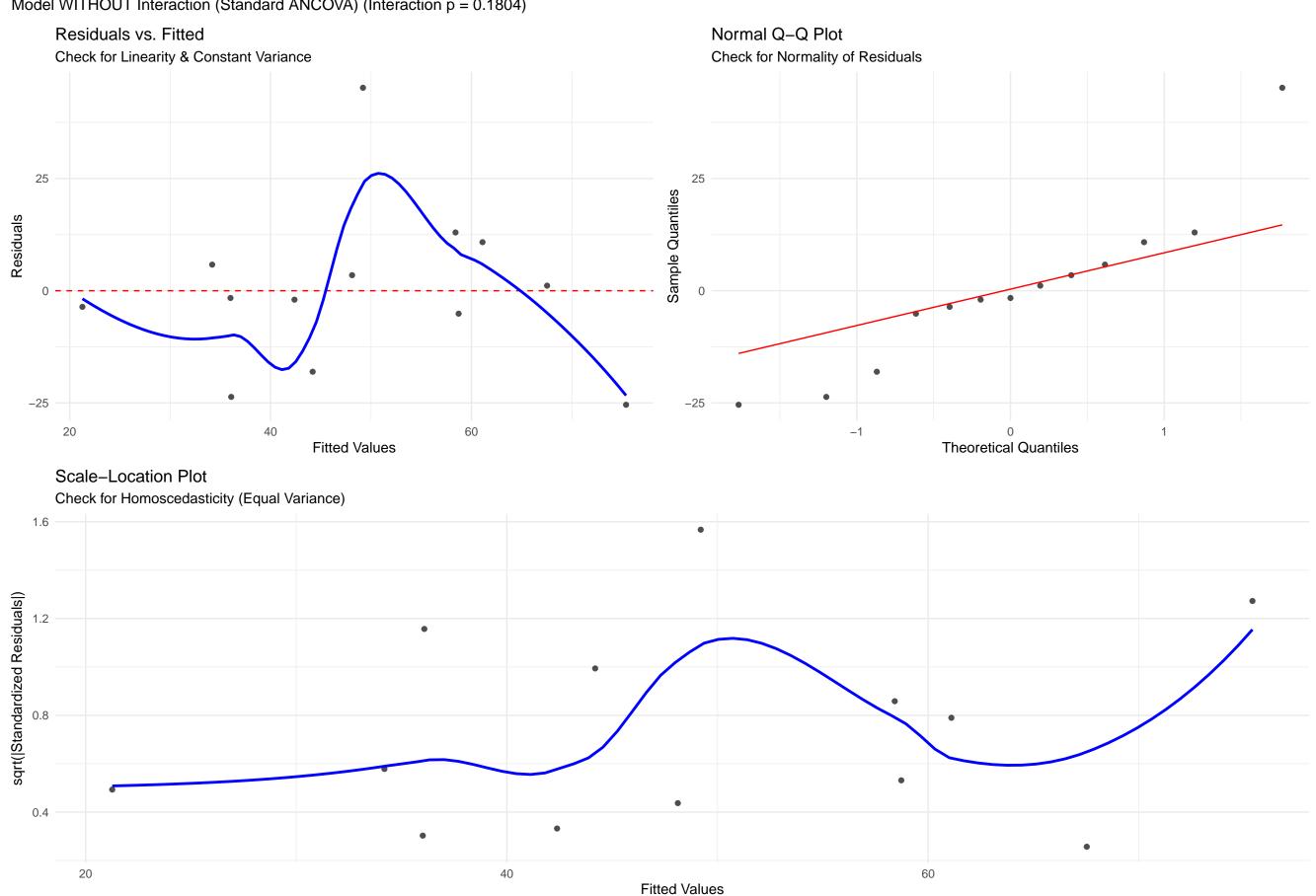
5

0.0

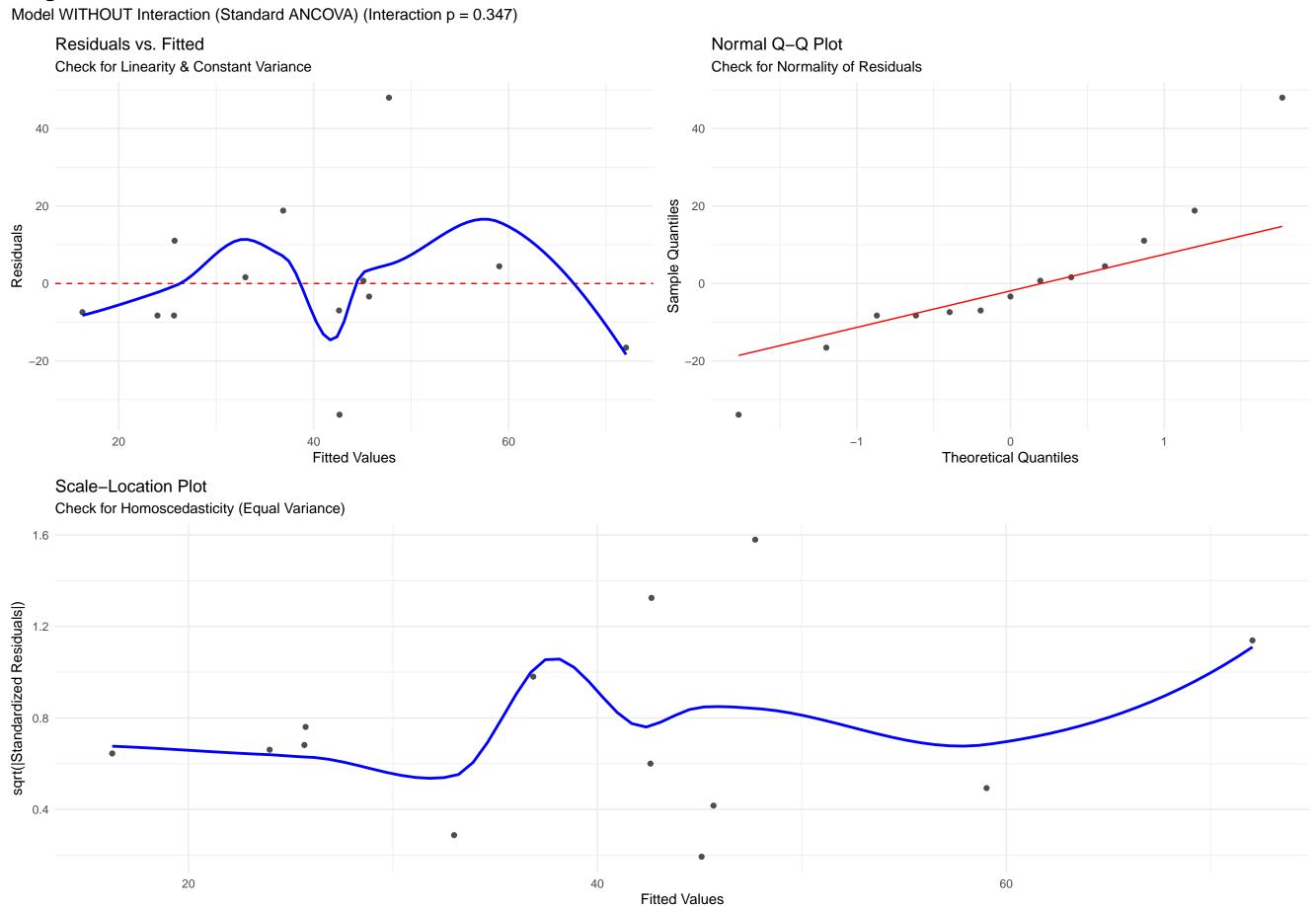
0

Diagnostics for: HRV SDNN

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.1804)

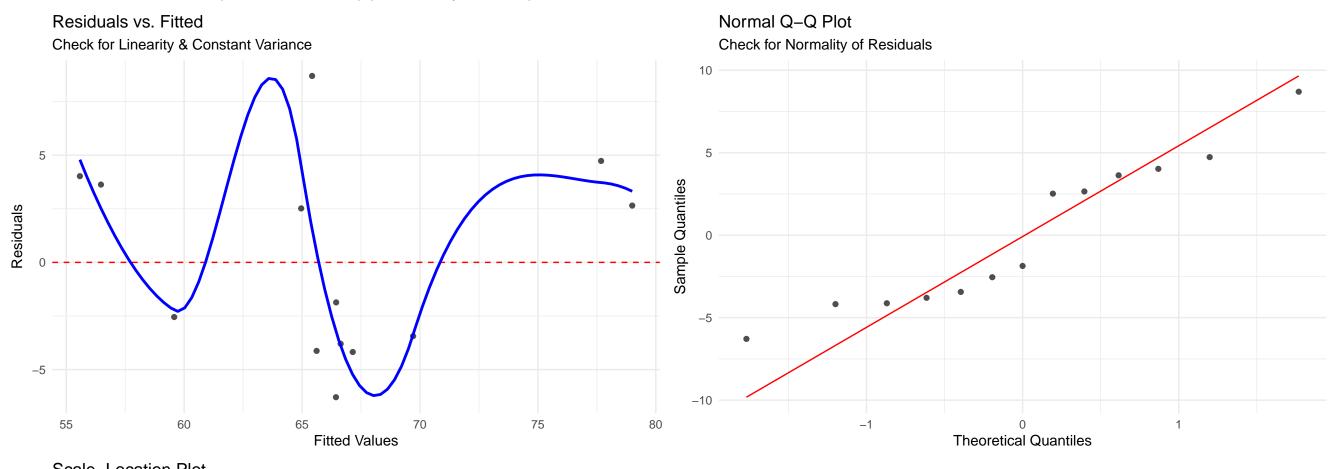


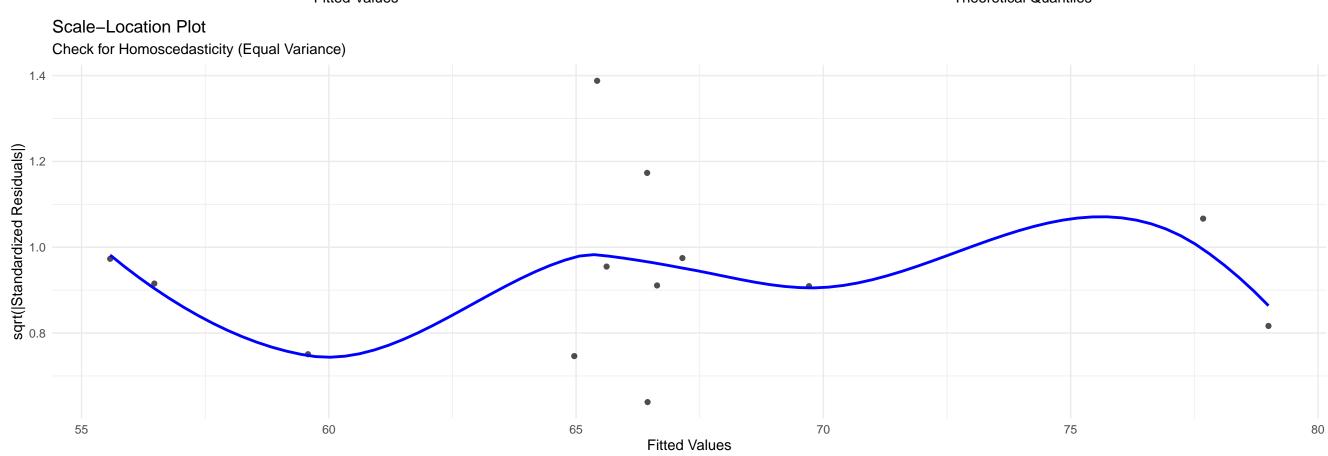
Diagnostics for: HRV RMSSD



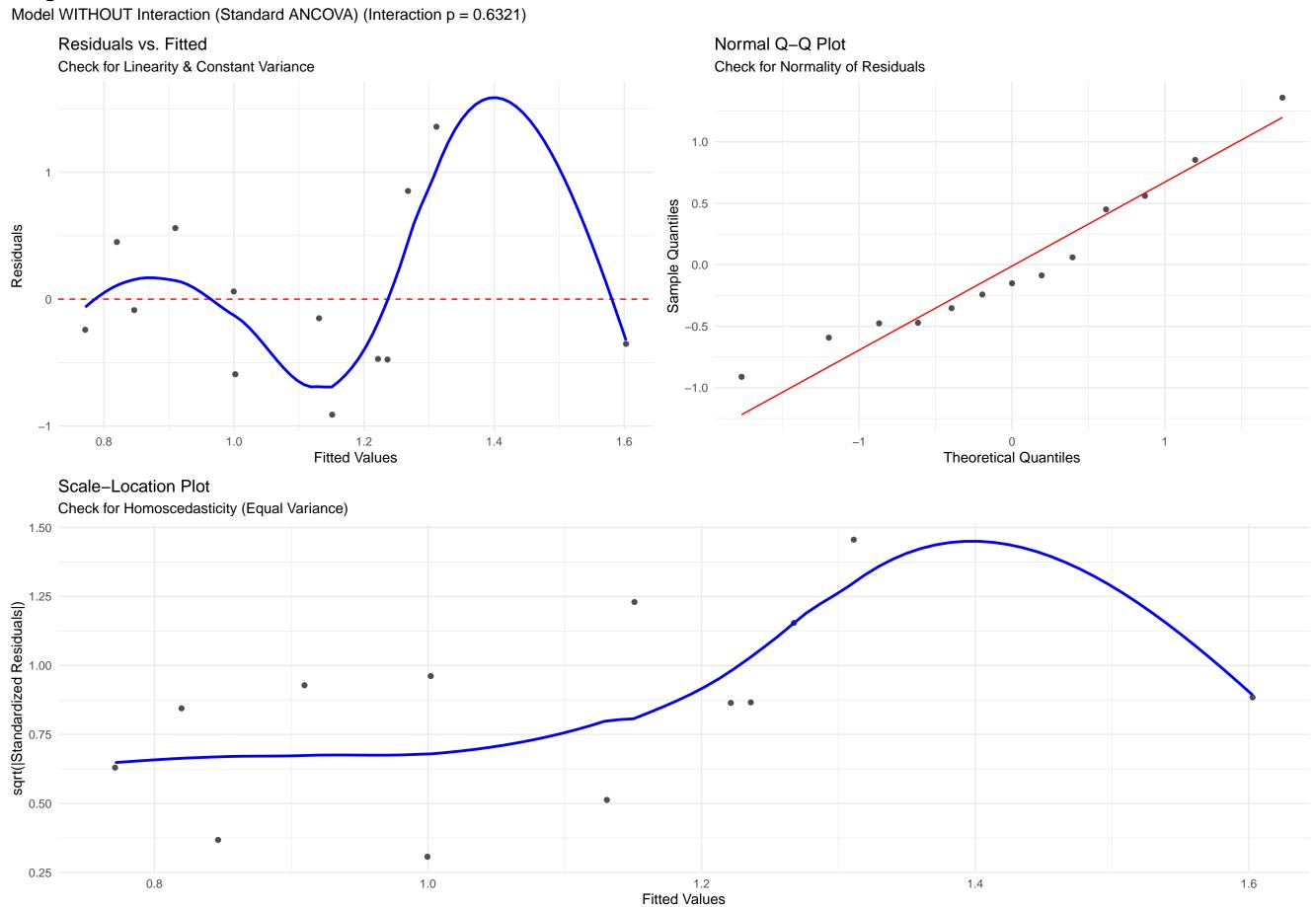
Diagnostics for: Heart Rate

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.1025)





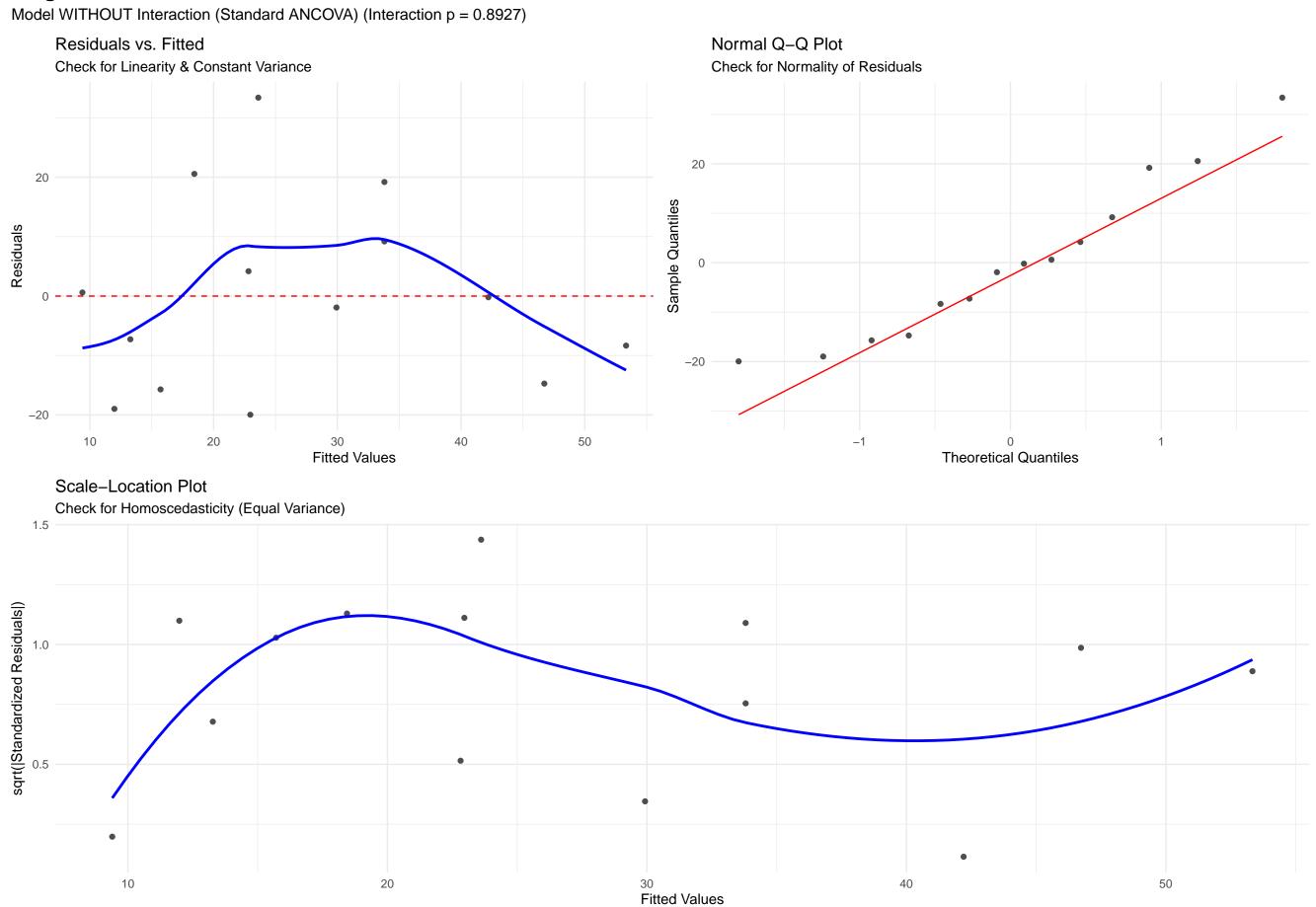
Diagnostics for: HRV LF/HF Ratio



Diagnostics for: HRR 1 Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7934) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 30 20 20 Sample Quantiles Residuals -10 -20 20 30 **Theoretical Quantiles** Fitted Values Scale-Location Plot Check for Homoscedasticity (Equal Variance) sqrt(|Standardized Residuals|) 10 20 30

Fitted Values

Diagnostics for: HRR 2



Diagnostics for: Chronotropic Index (CI) Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9064) Residuals vs. Fitted Normal Q-Q Plot Check for Linearity & Constant Variance Check for Normality of Residuals 0.2 0.2 Sample Quantiles Residuals -0.2-0.4-0.40.6 0.8 0.7 Fitted Values **Theoretical Quantiles** Scale-Location Plot Check for Homoscedasticity (Equal Variance) 1.5 sqrt(|Standardized Residuals|)

Fitted Values

0.8

0.0

0.6