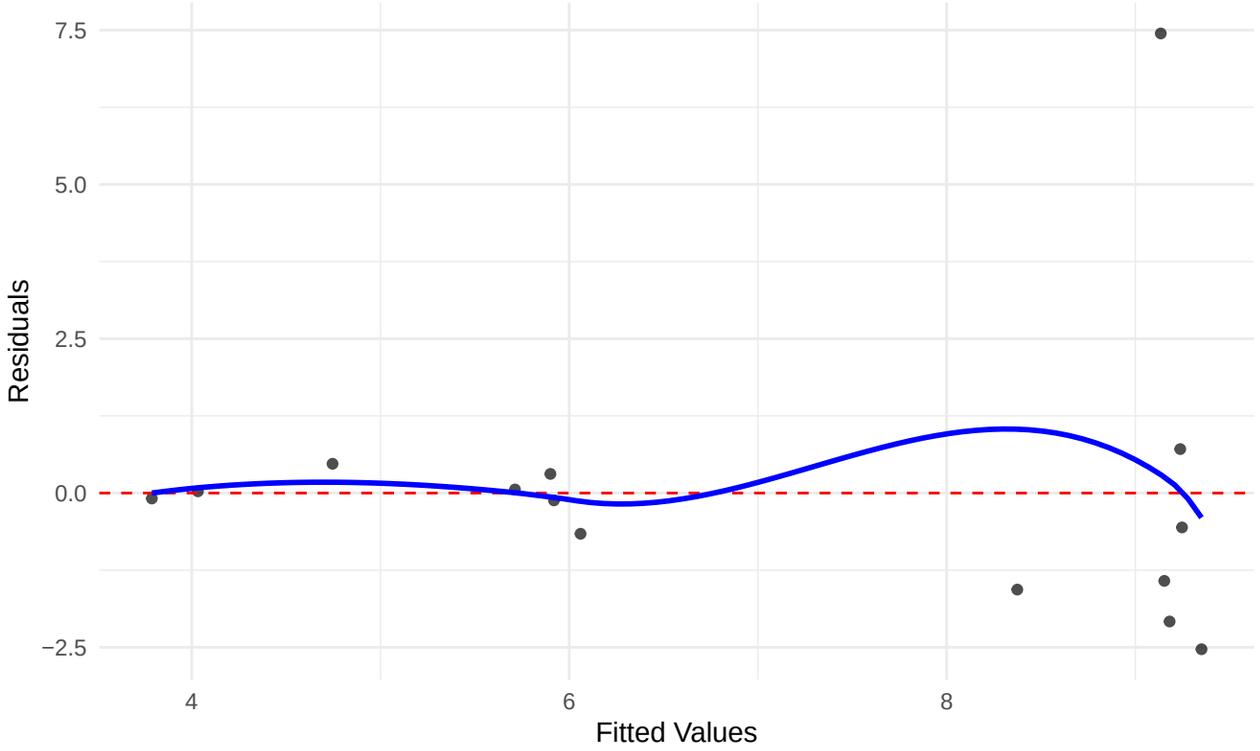
Diagnostics for: Flow−Mediated Dilation

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7996)

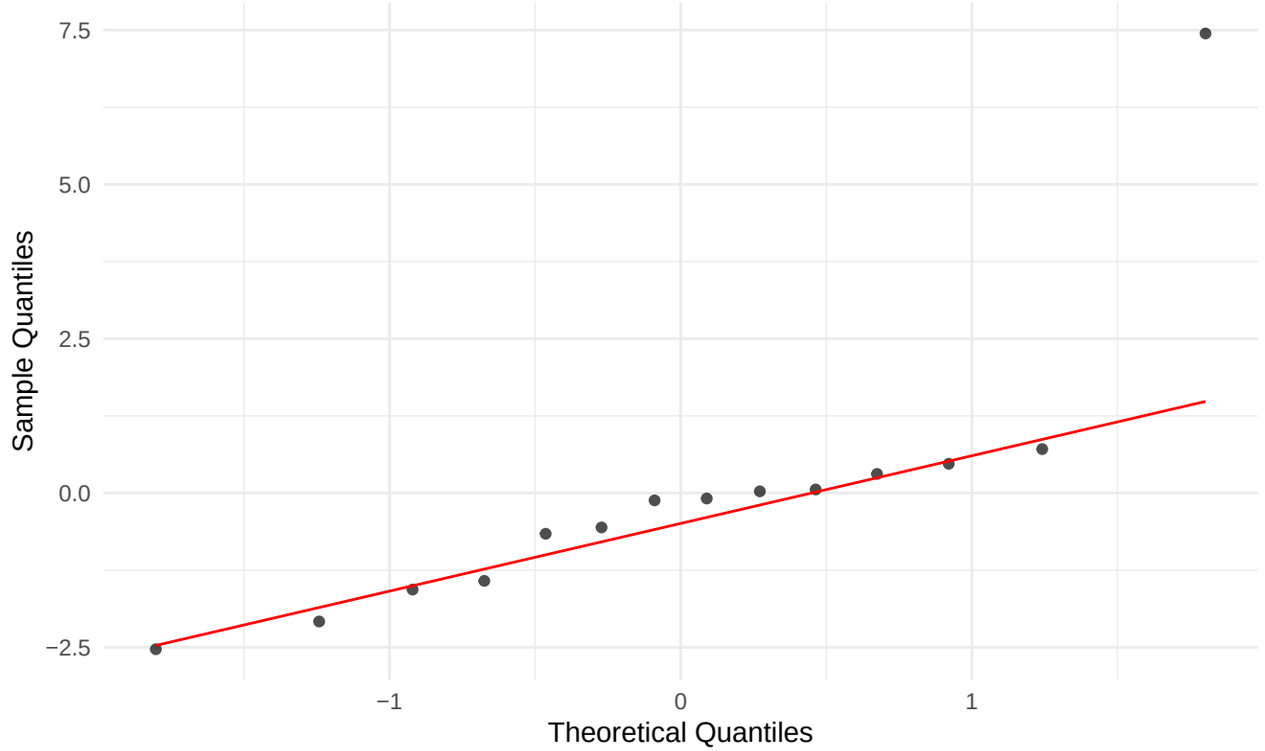
Residuals vs. Fitted

Check for Linearity & Constant Variance



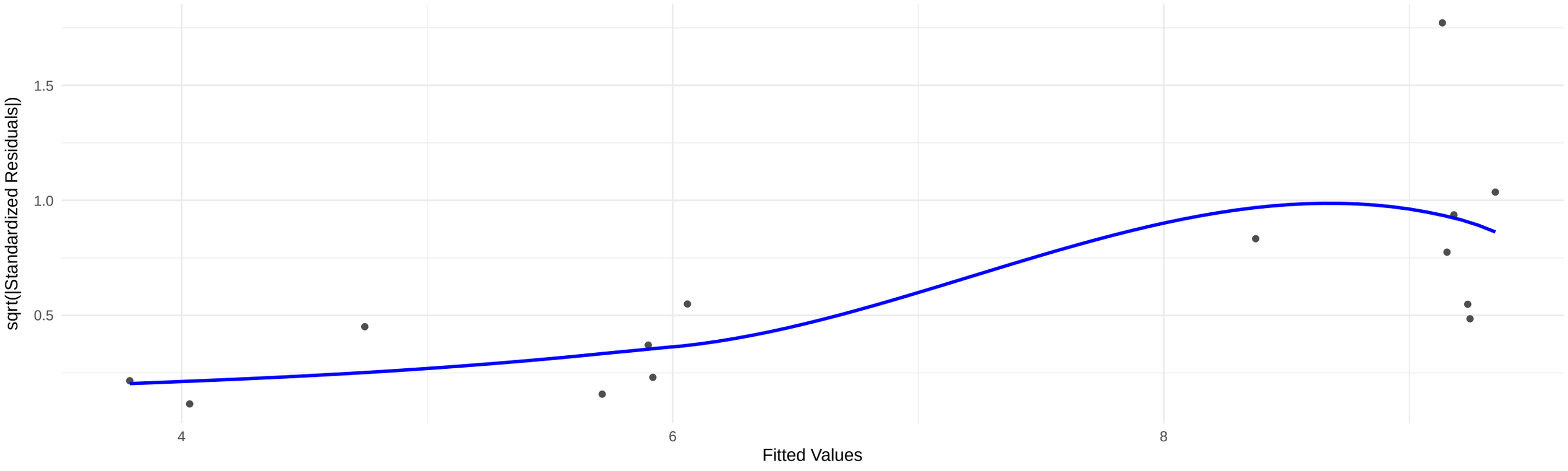
Normal Q−Q Plot

Check for Normality of Residuals



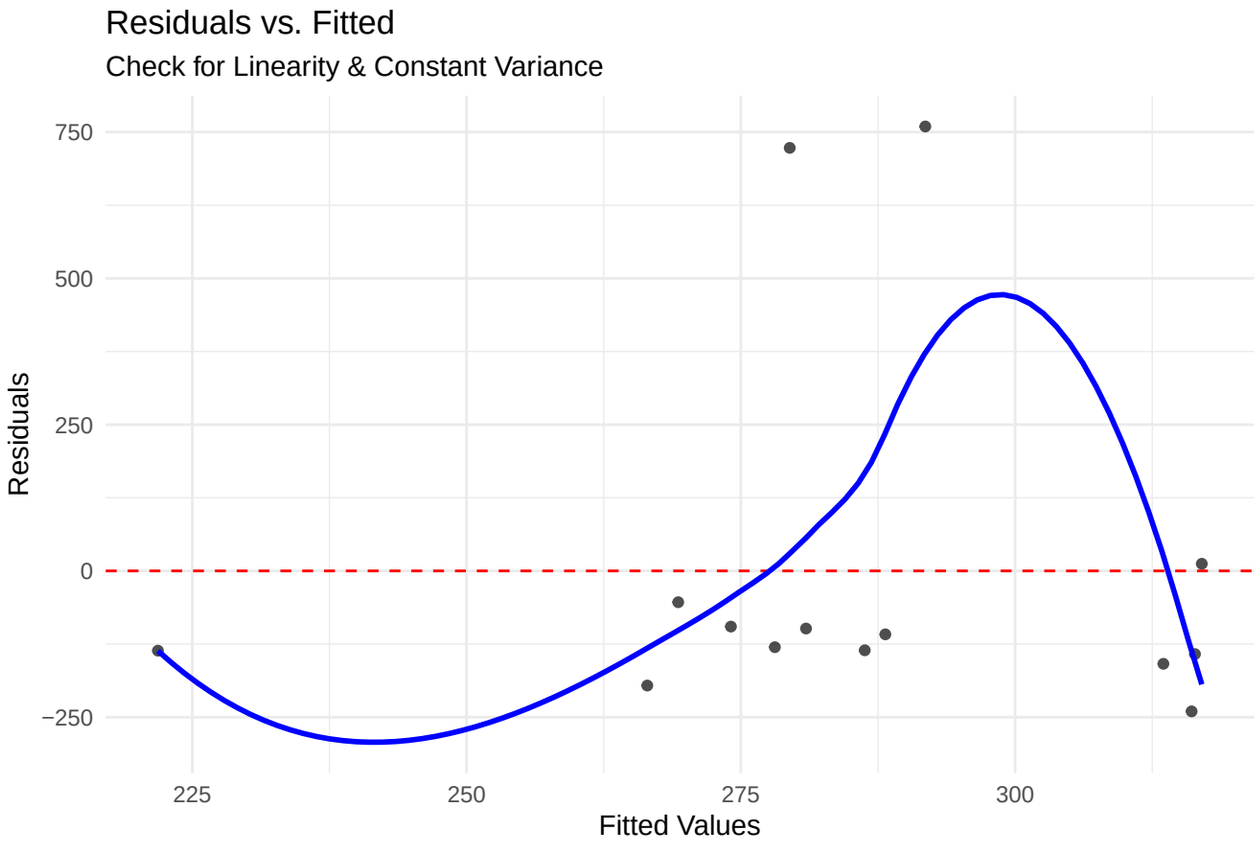
Scale−Location Plot

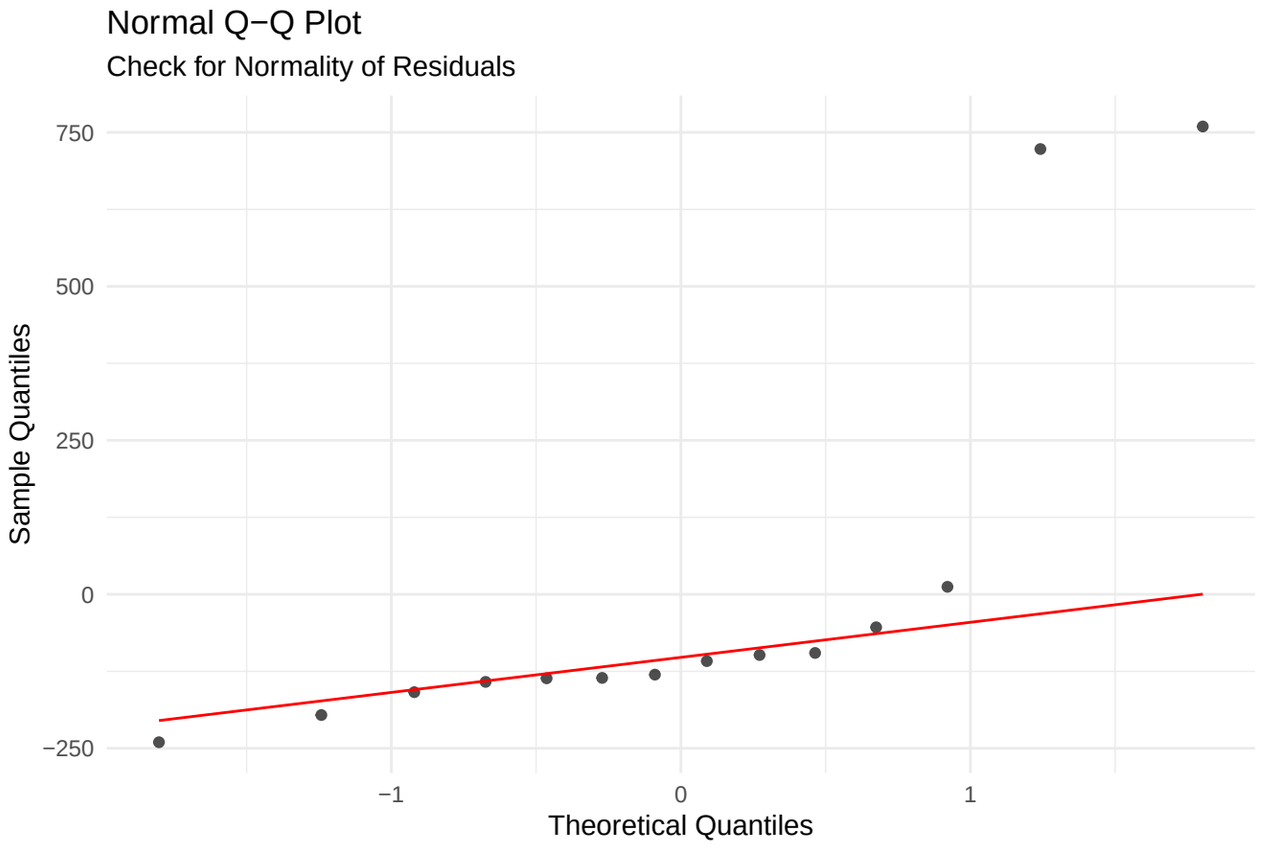
Check for Homoscedasticity (Equal Variance)

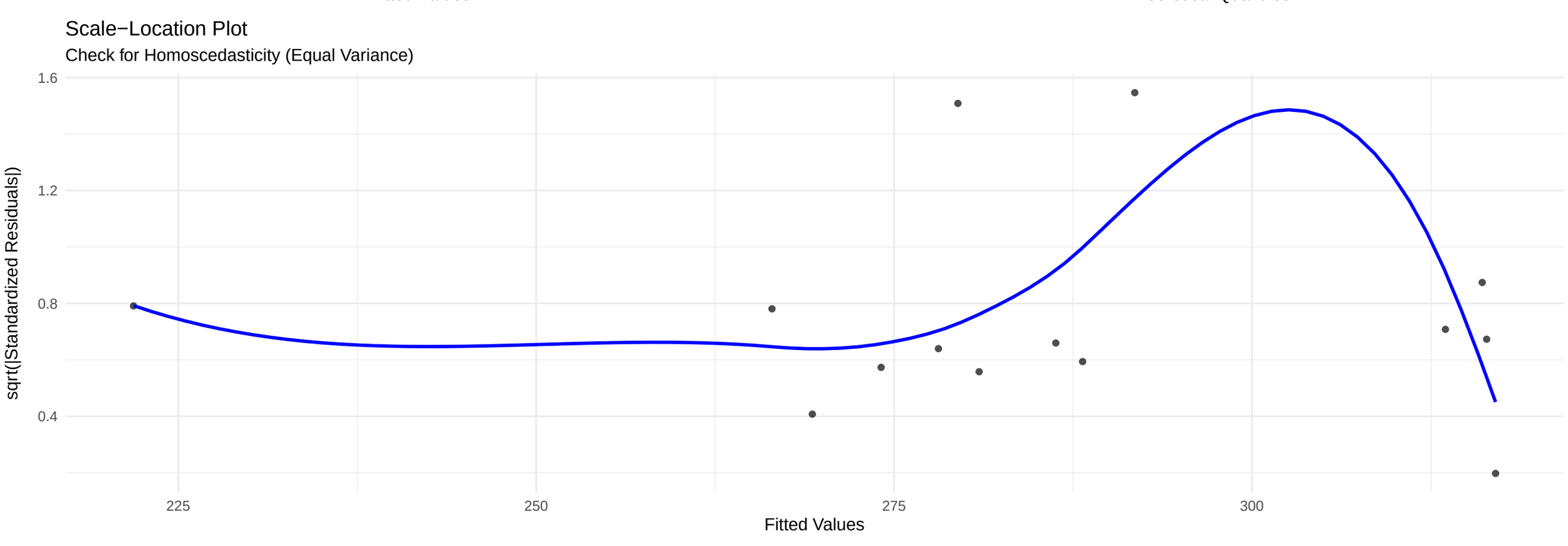


Diagnostics for: Baseline Shear

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.421)

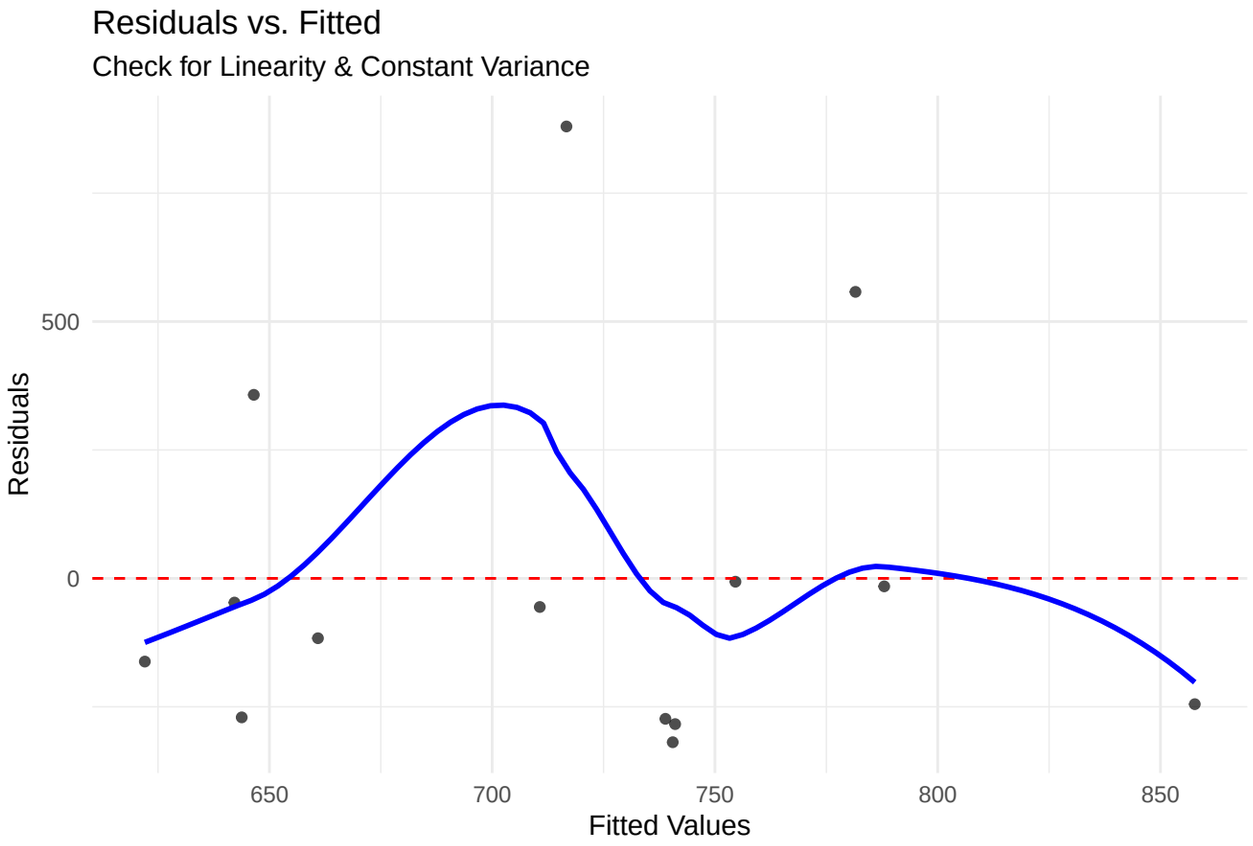


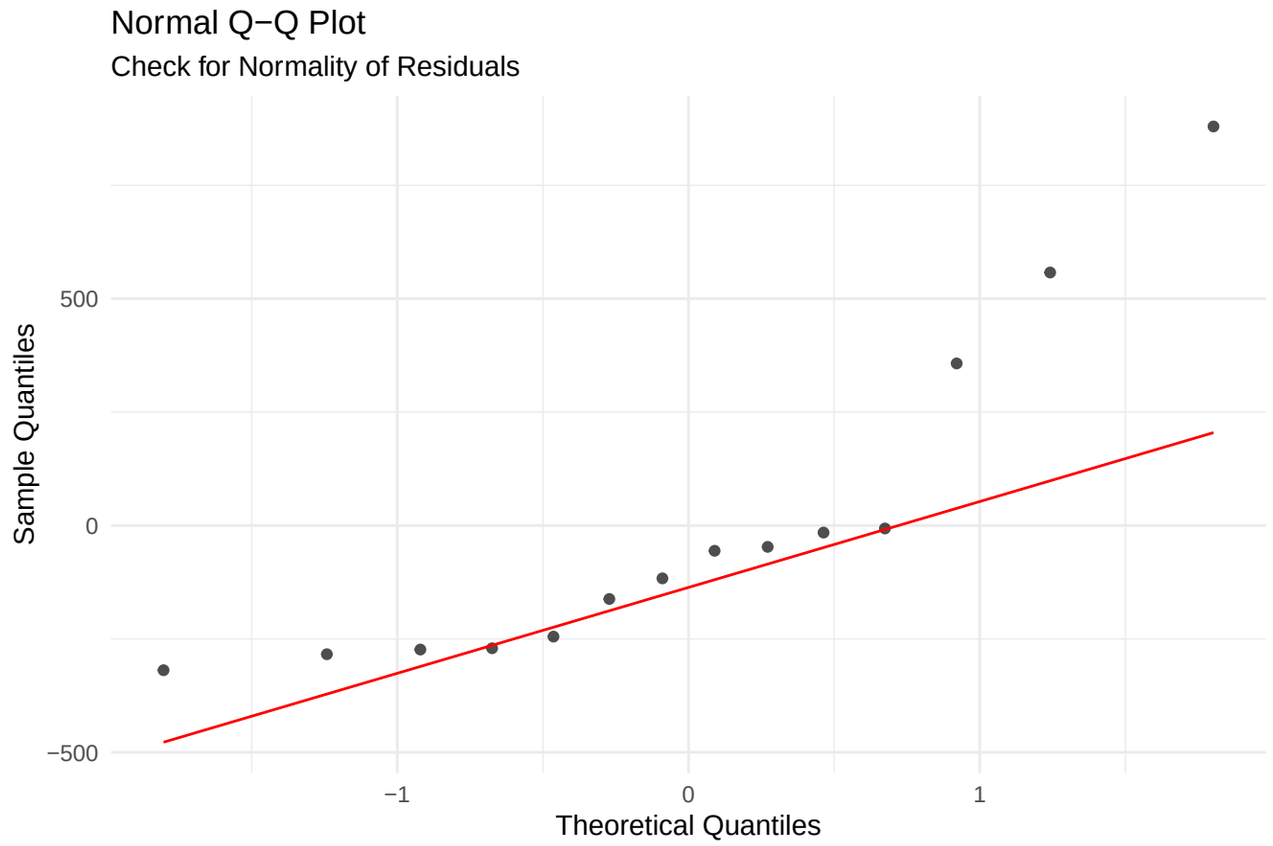


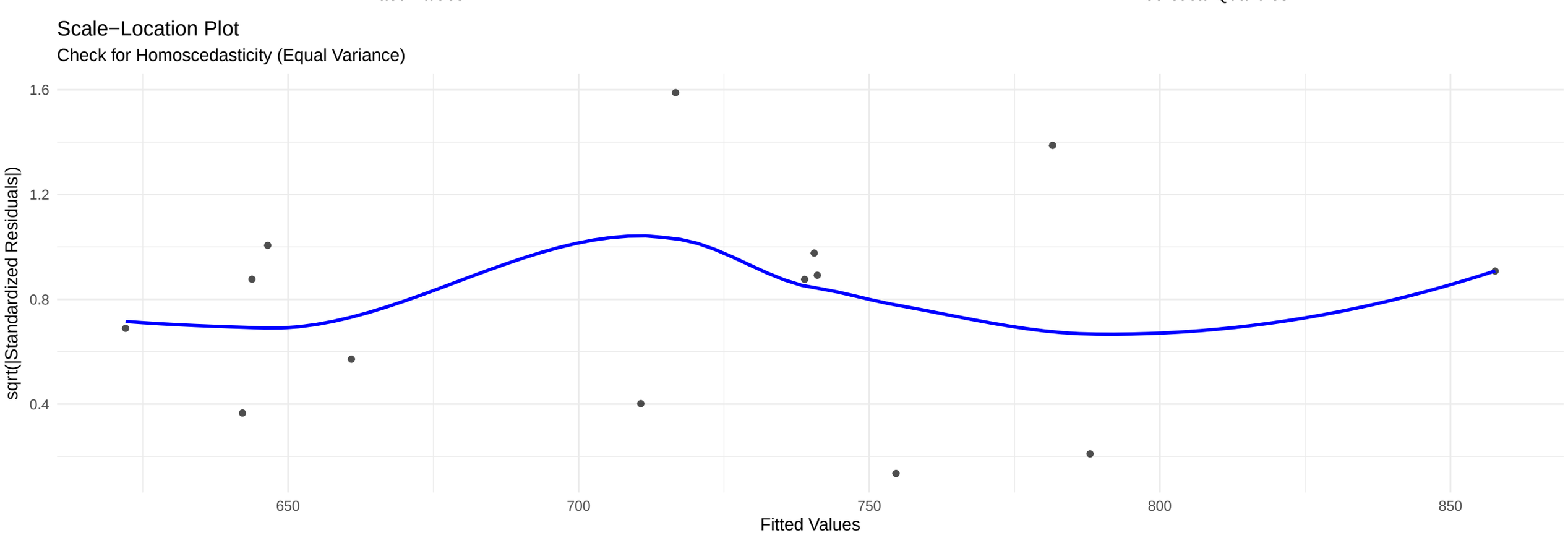


Diagnostics for: Maximum Shear

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.199)

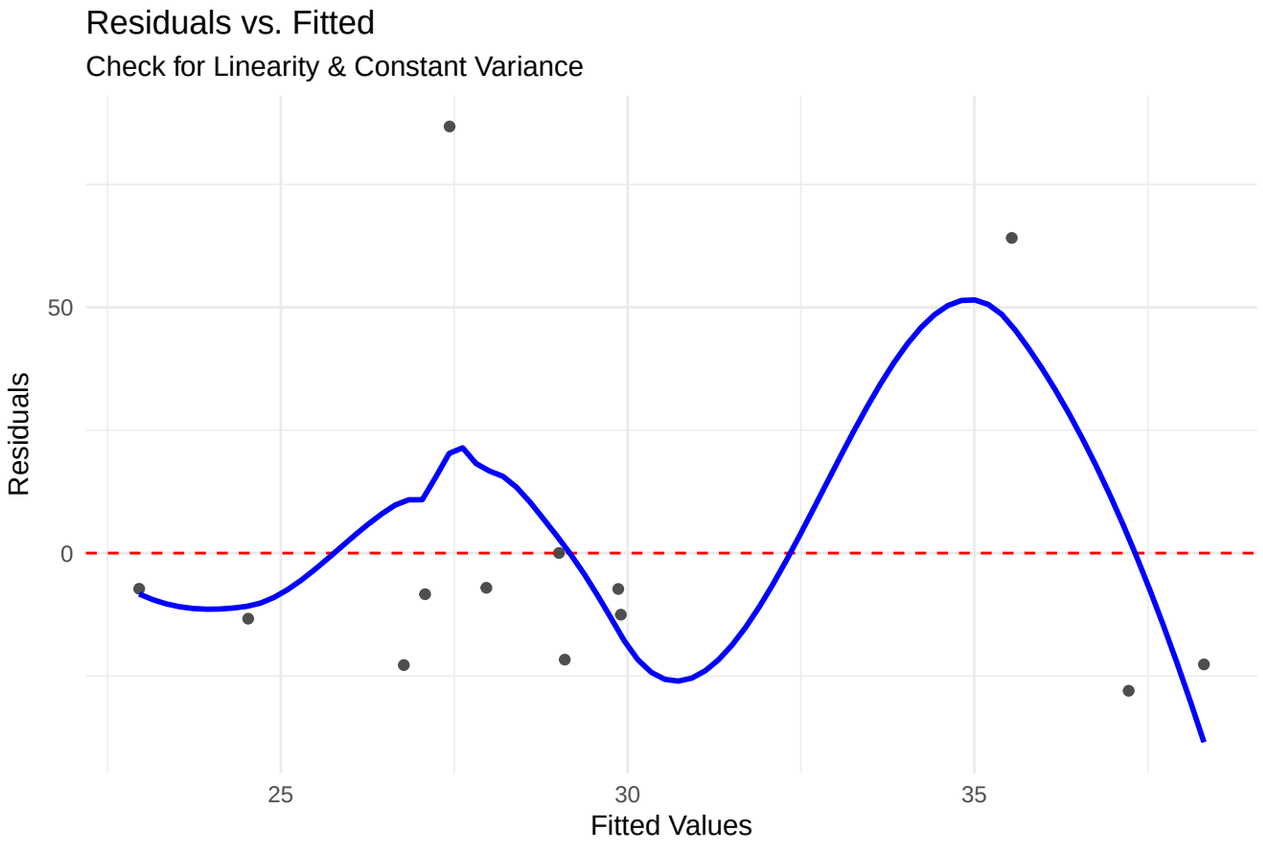


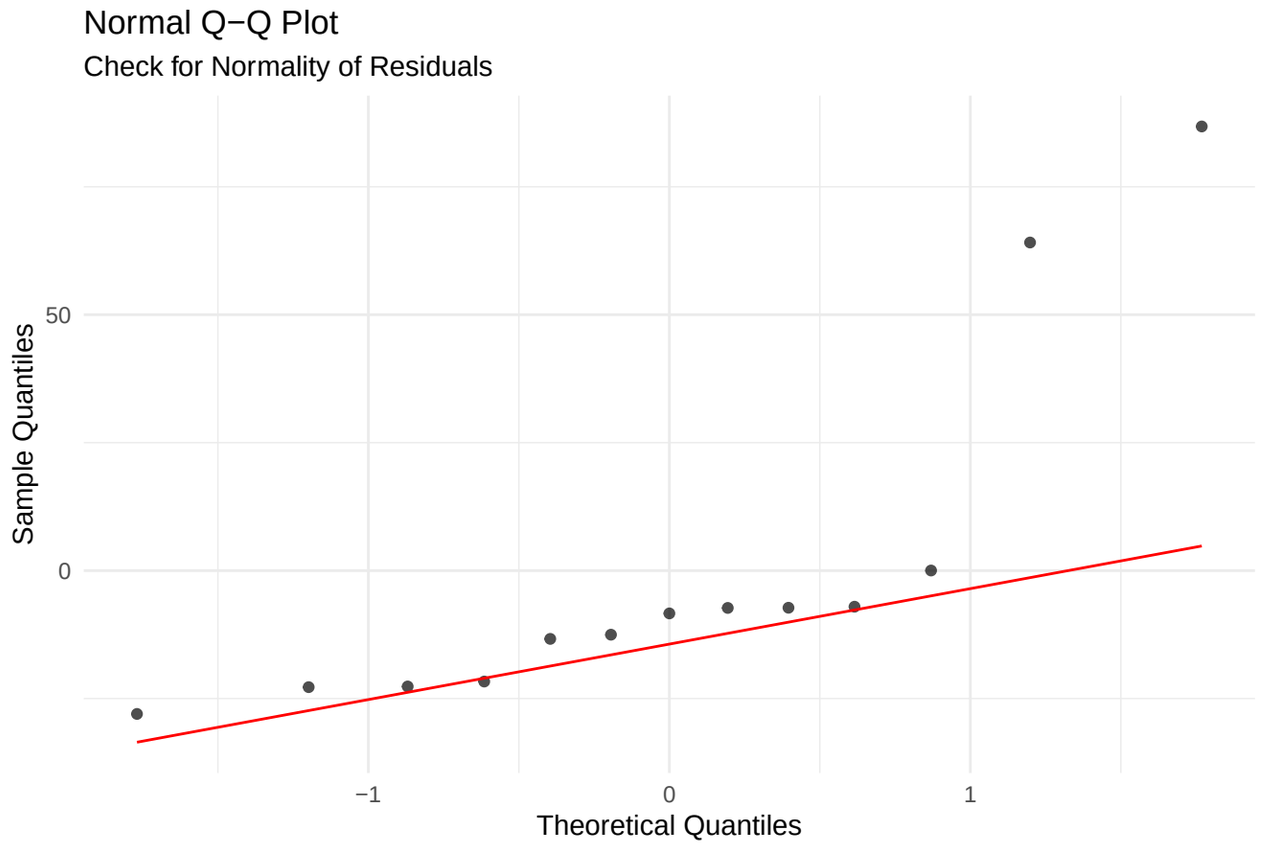


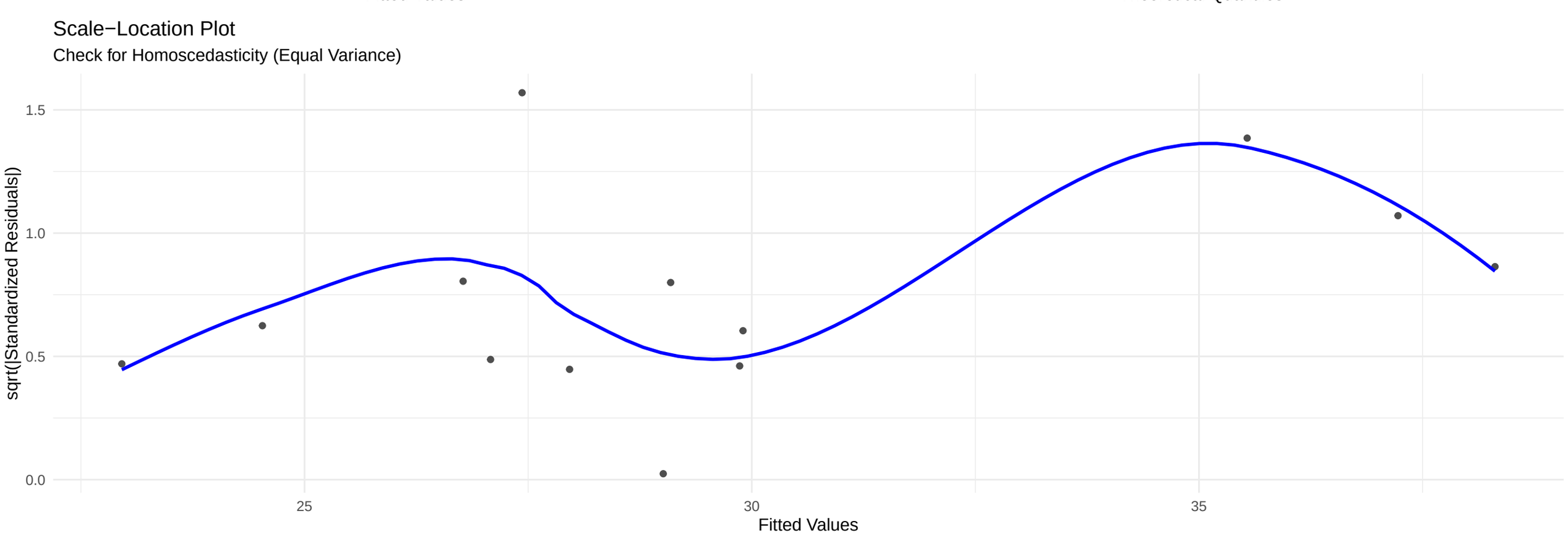


Diagnostics for: Baseline Velocity

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.5042)

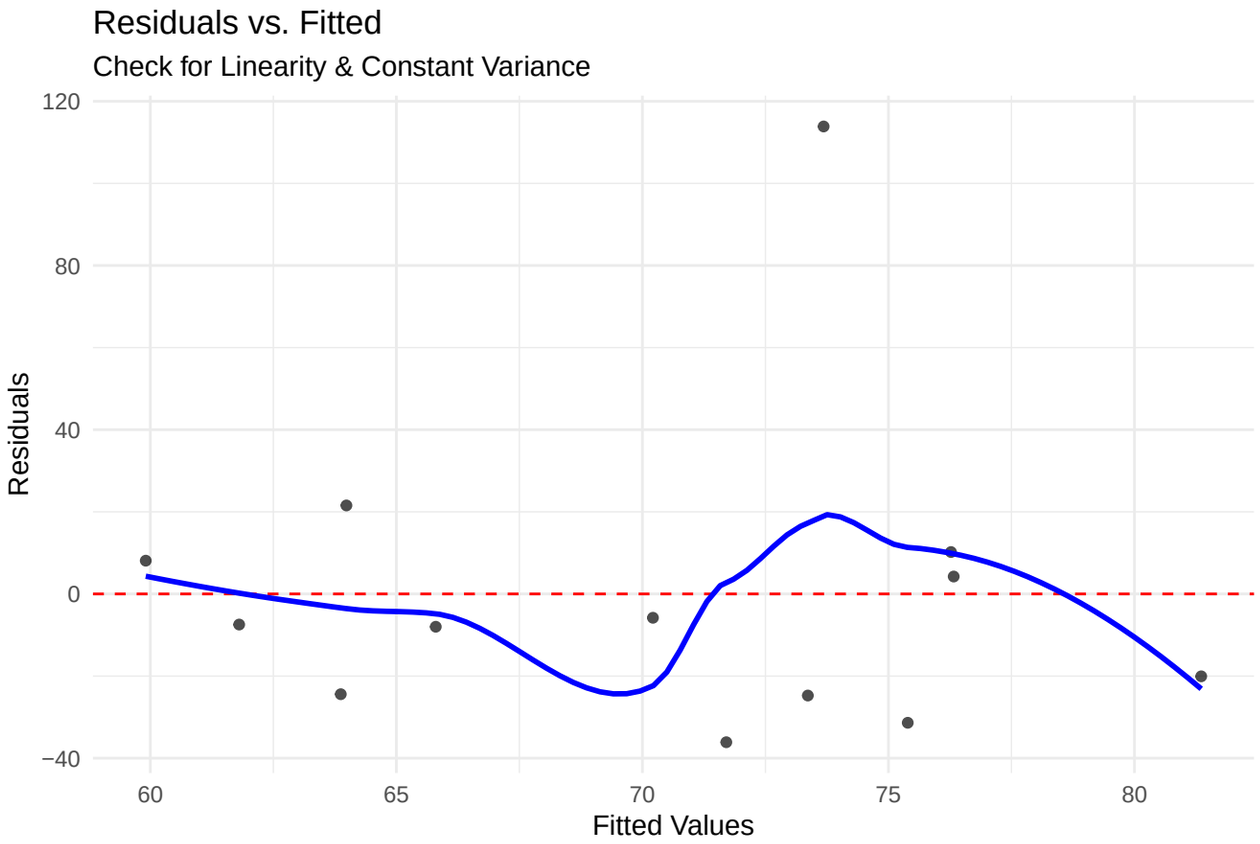


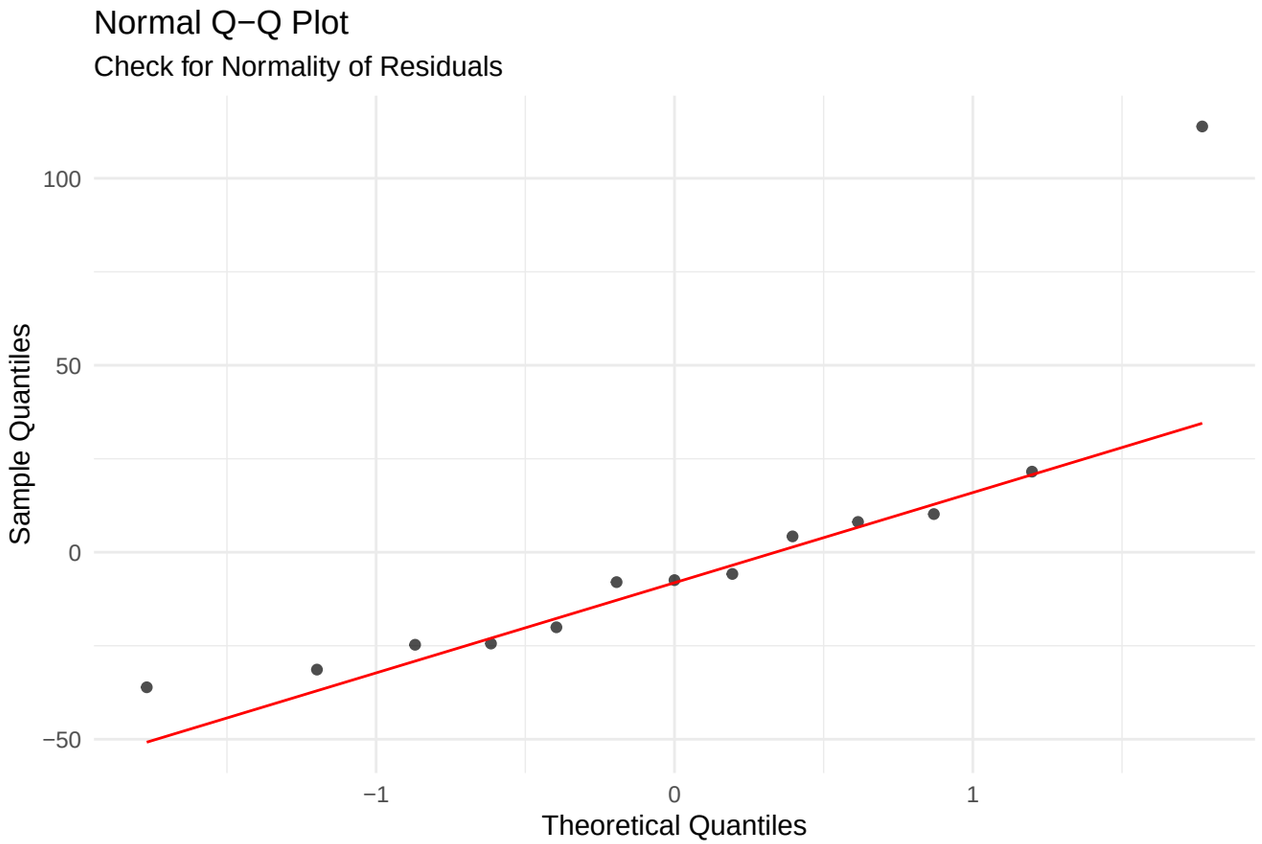


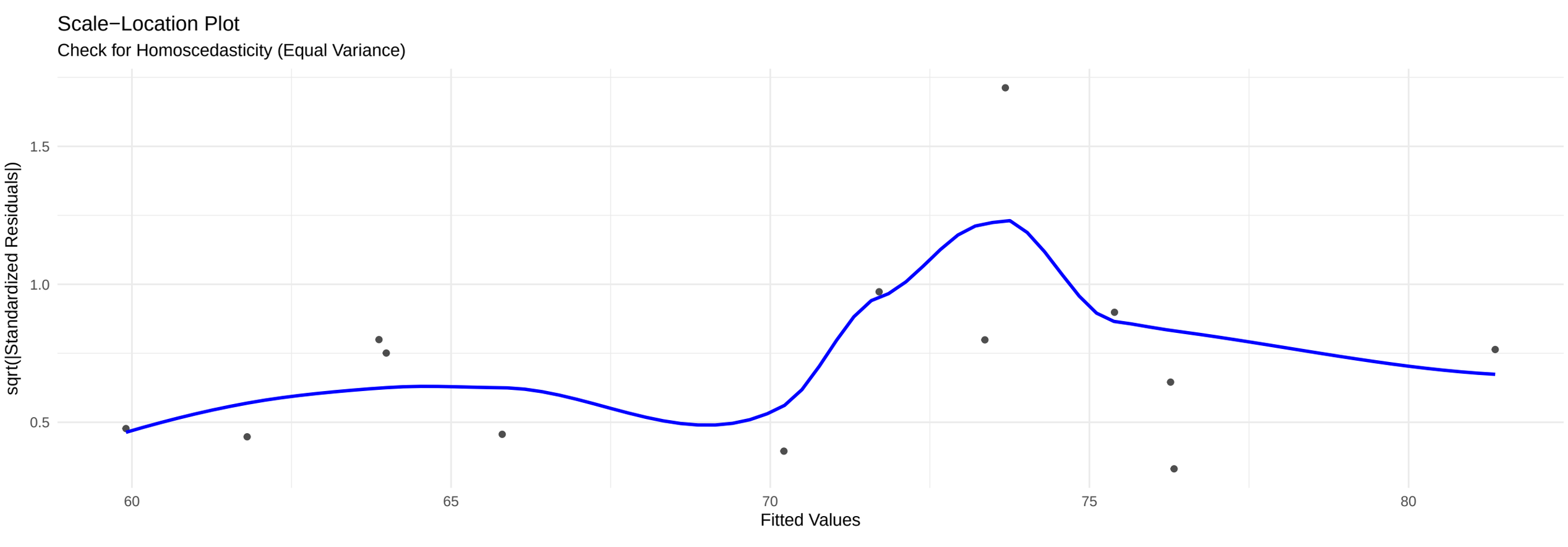


Diagnostics for: Maximum Velocity

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

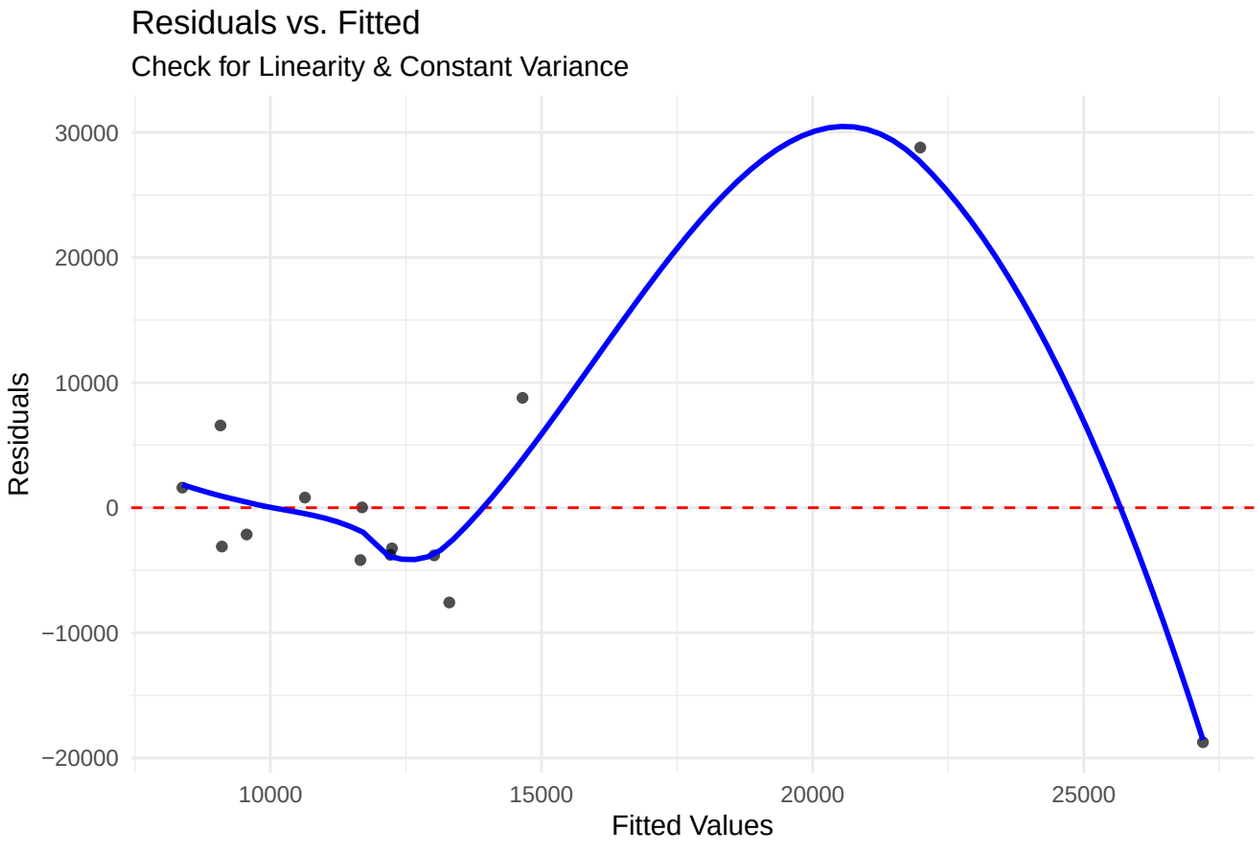


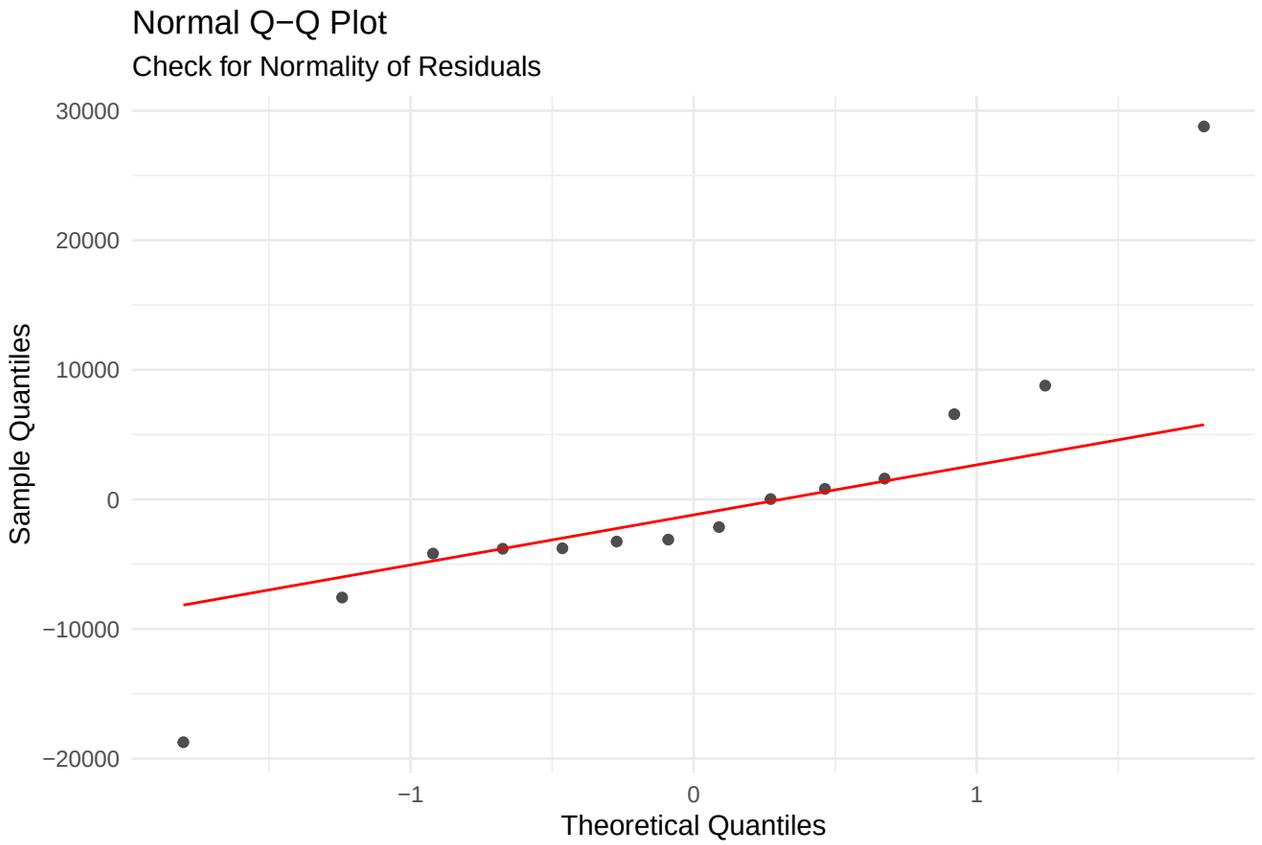


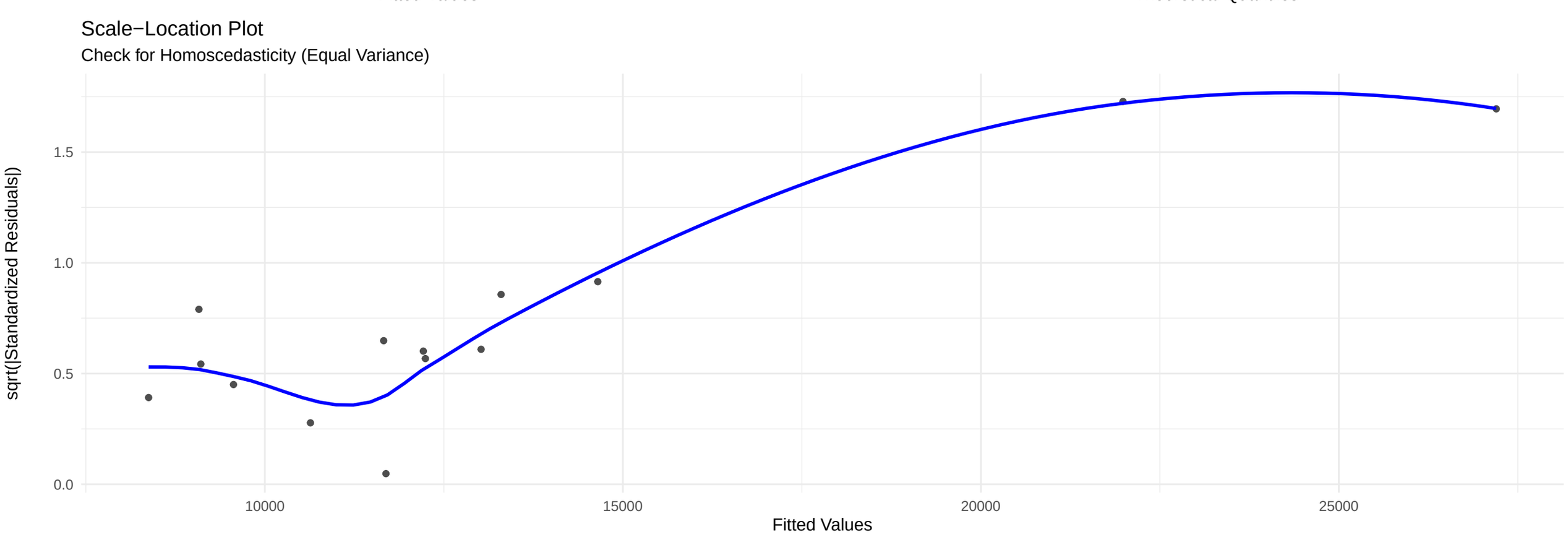


Diagnostics for: Shear Area to Maximum

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7626)

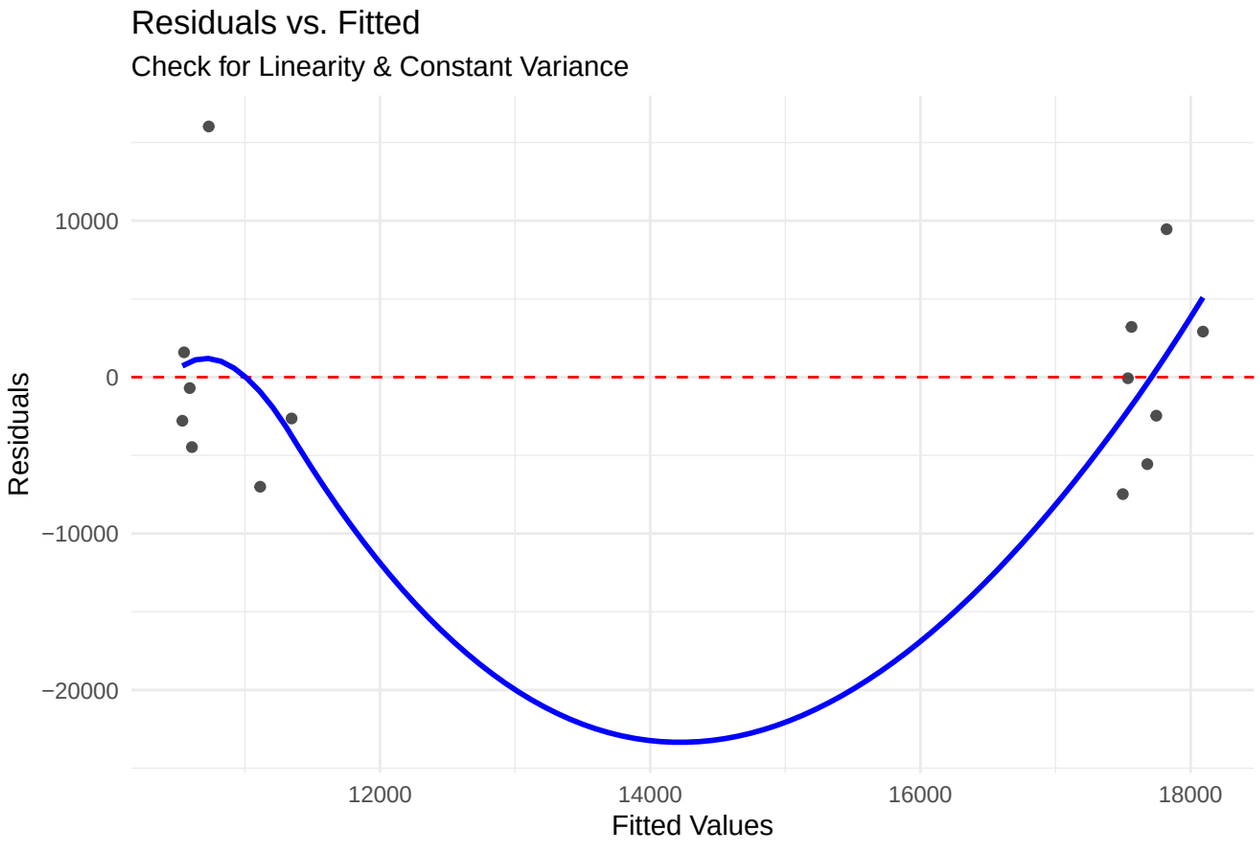


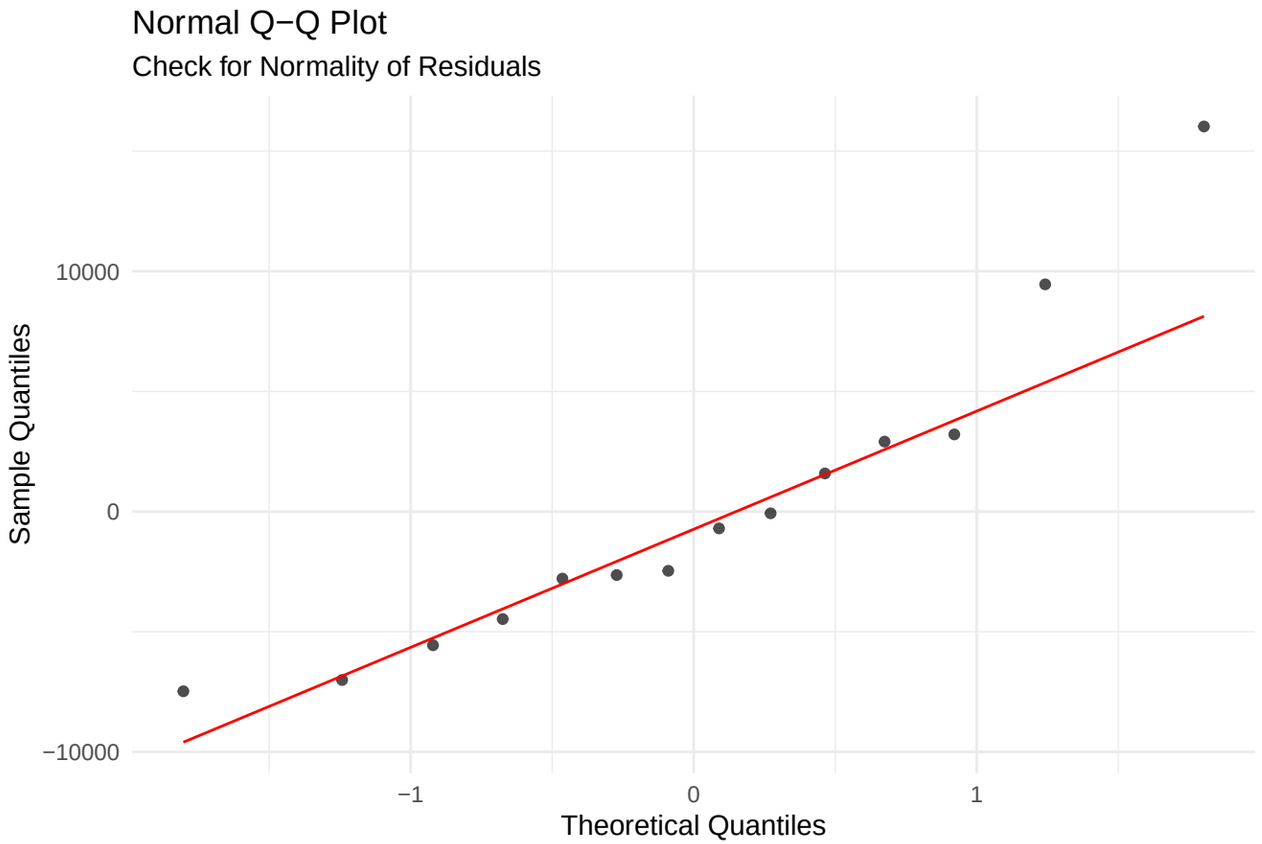


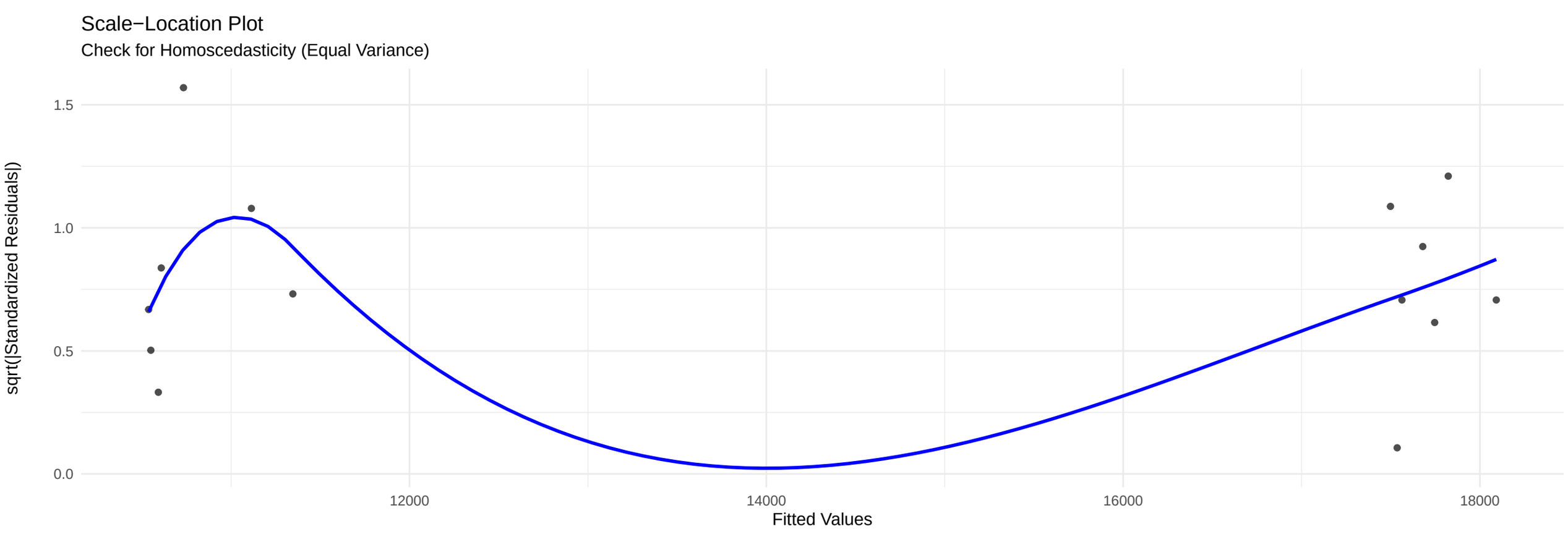


Diagnostics for: Shear AUC

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.2796)

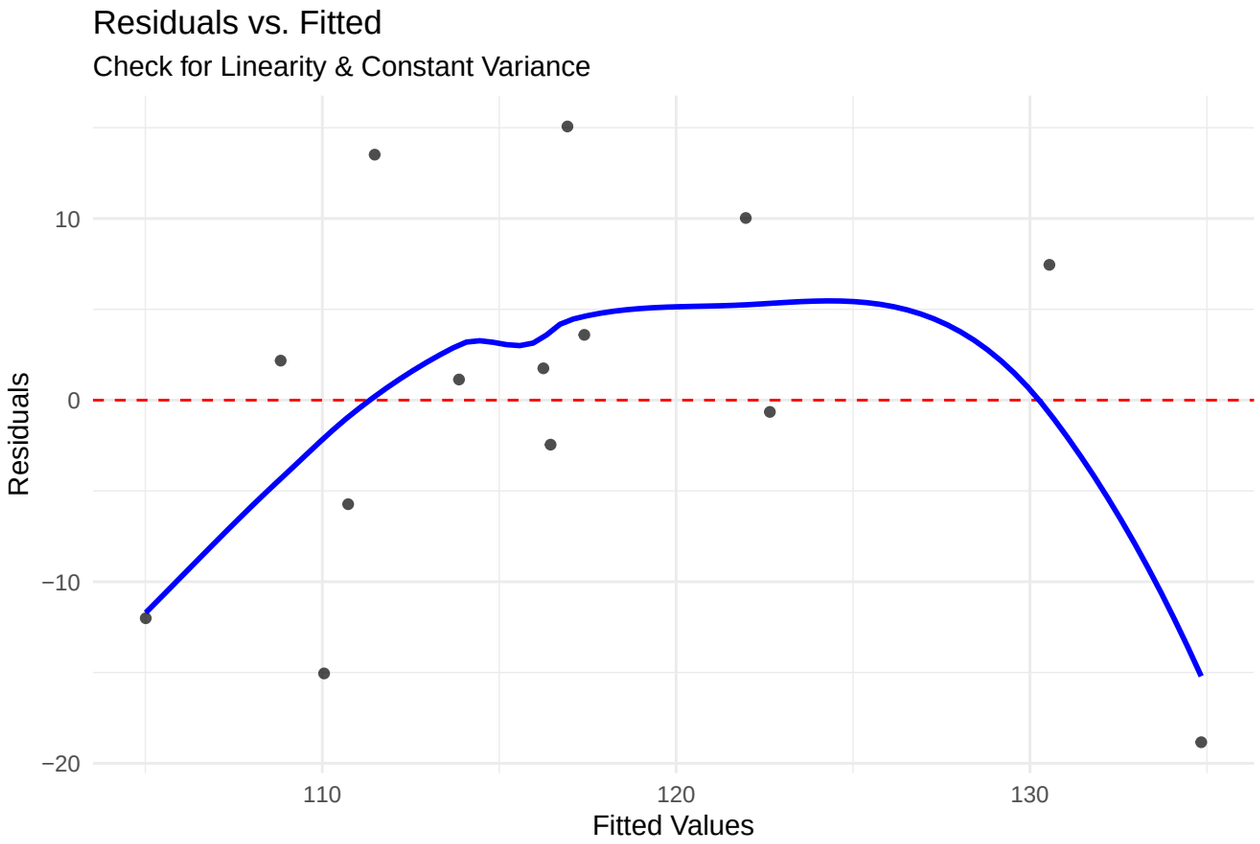


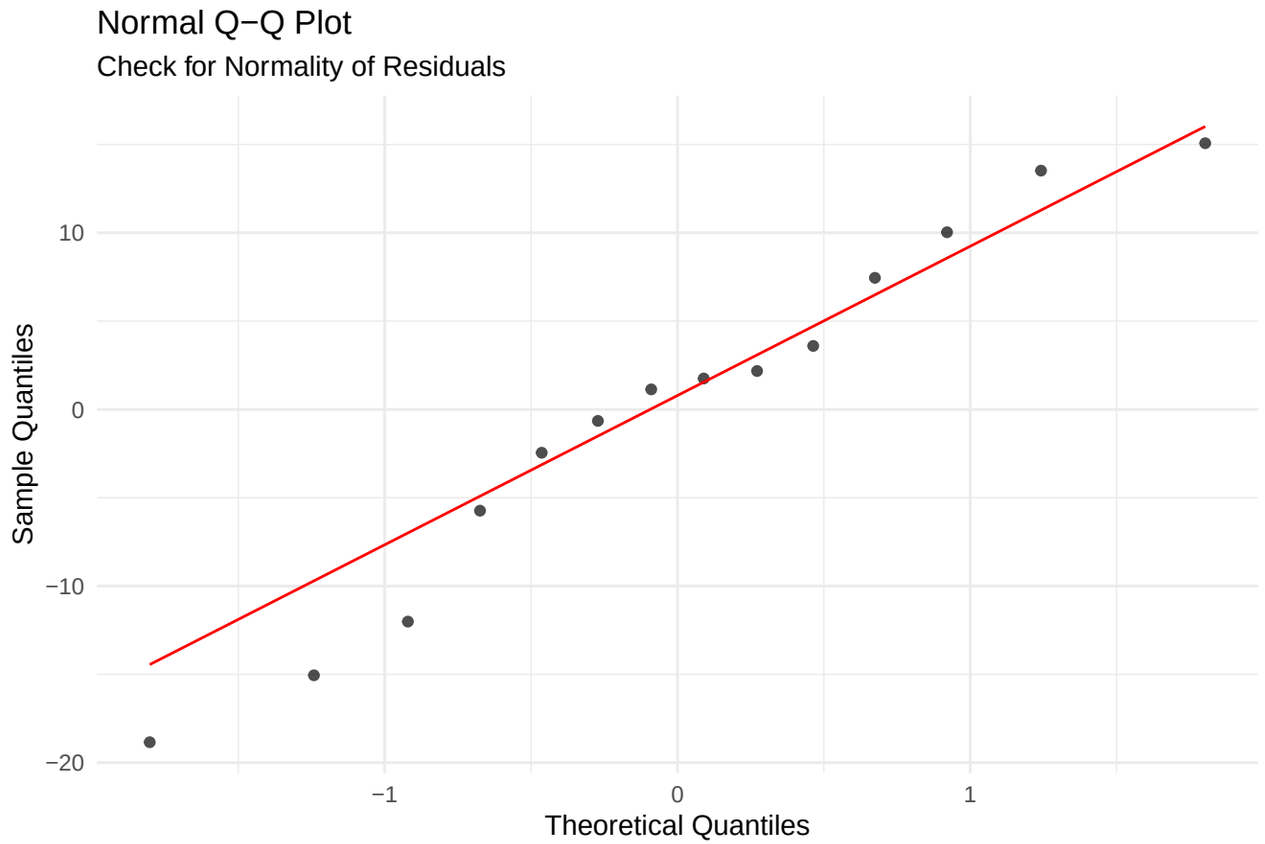


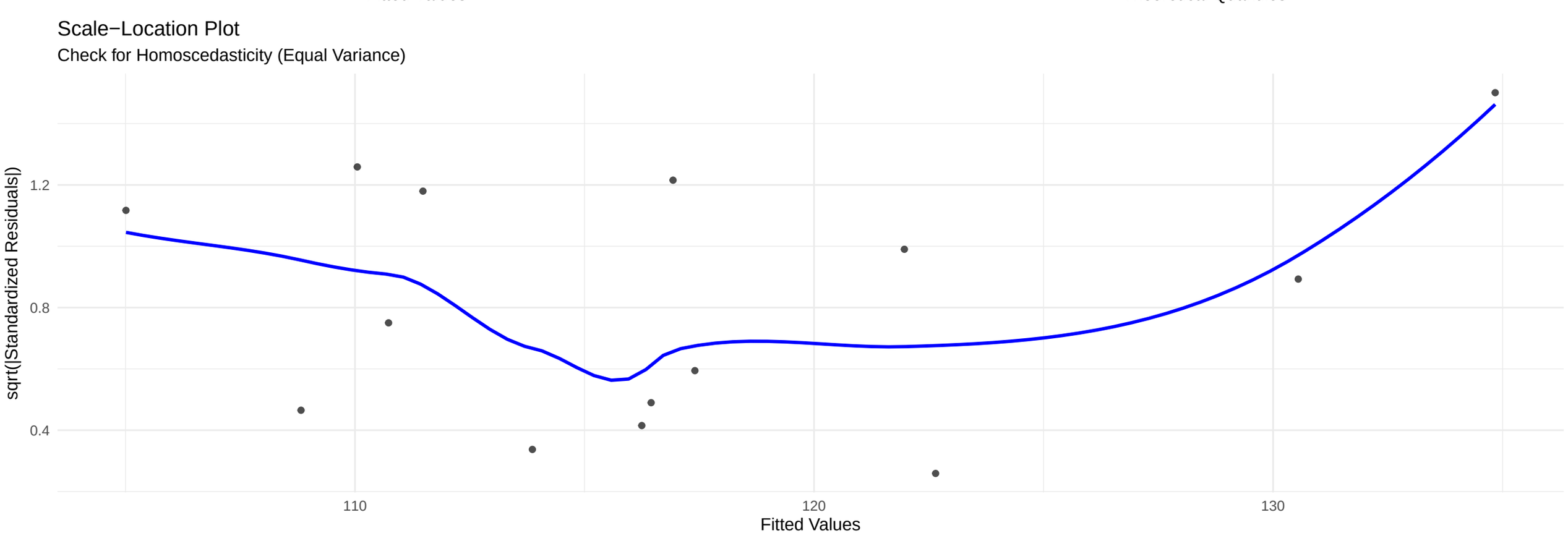


Diagnostics for: Sitting Systolic BP

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.269)

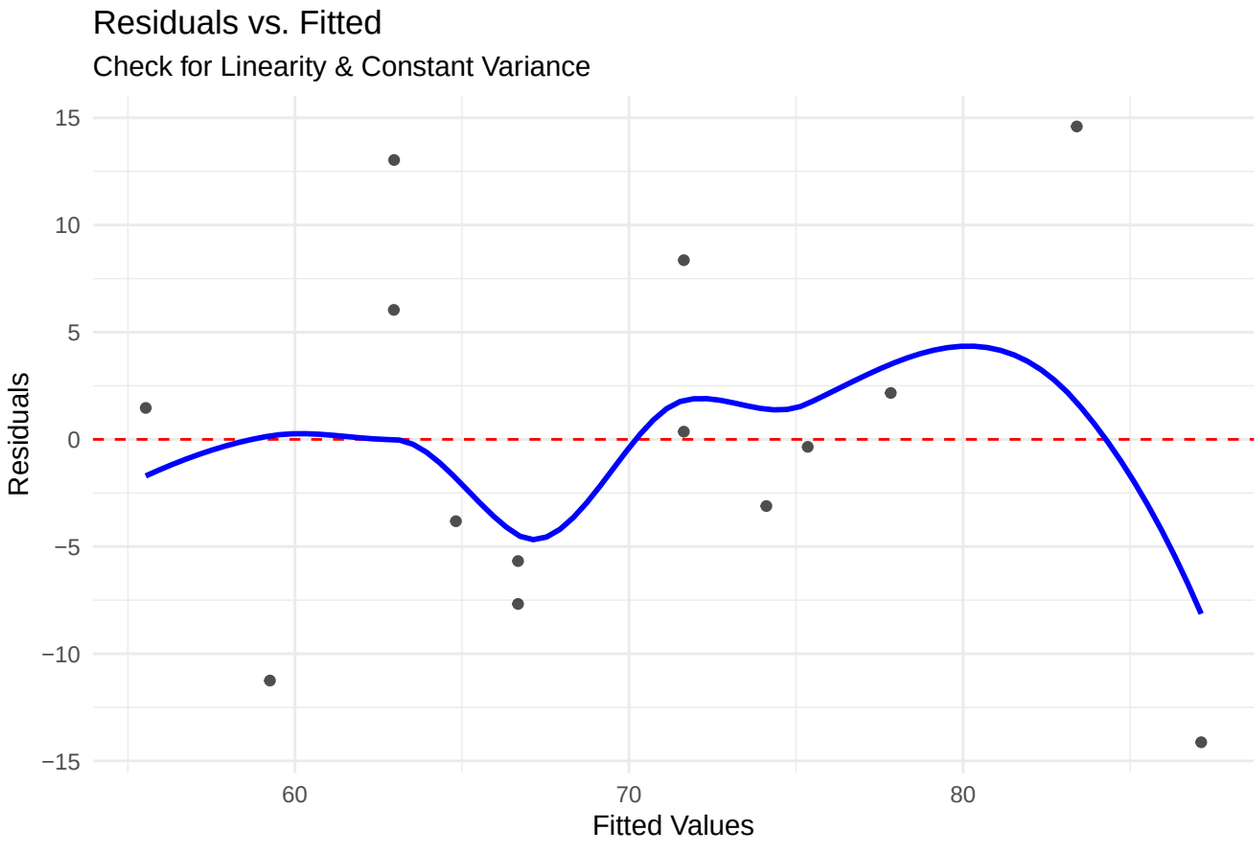


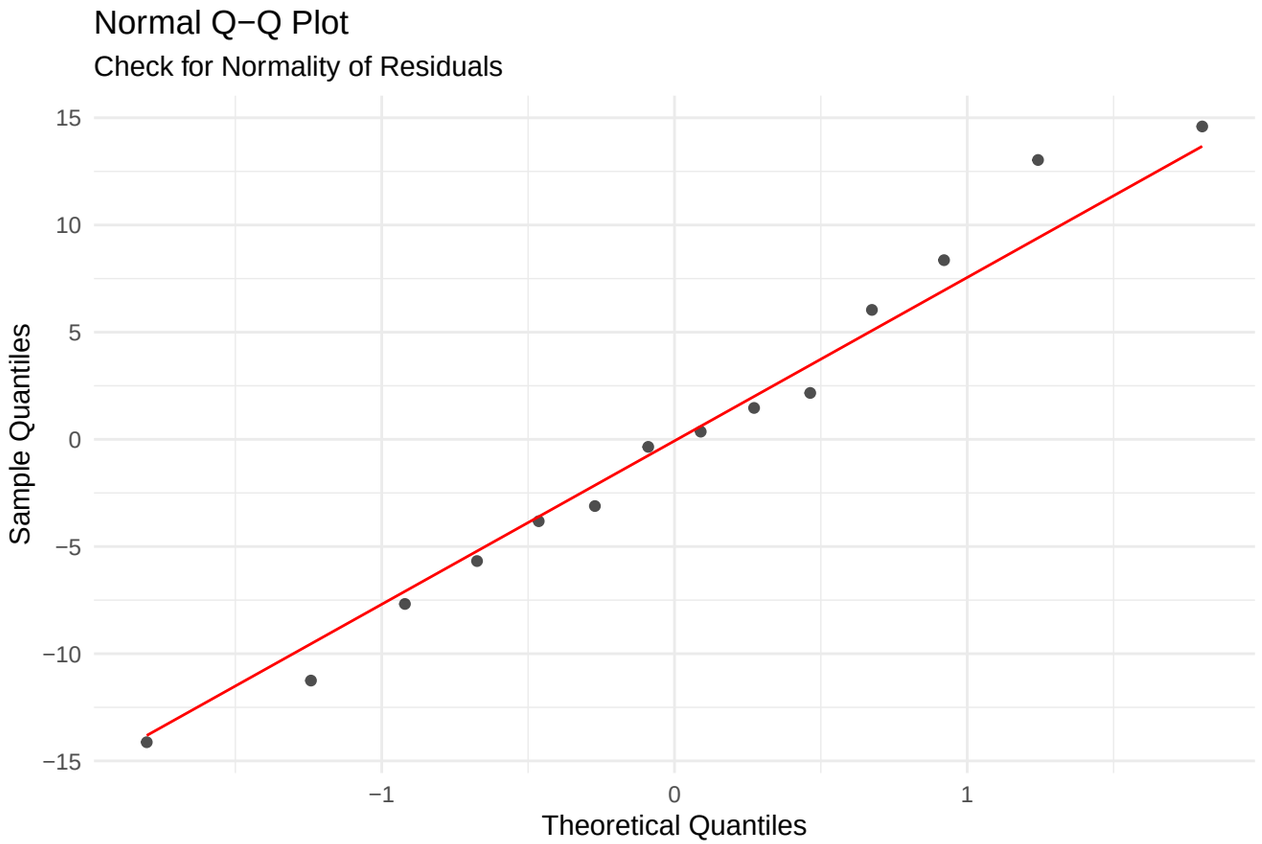


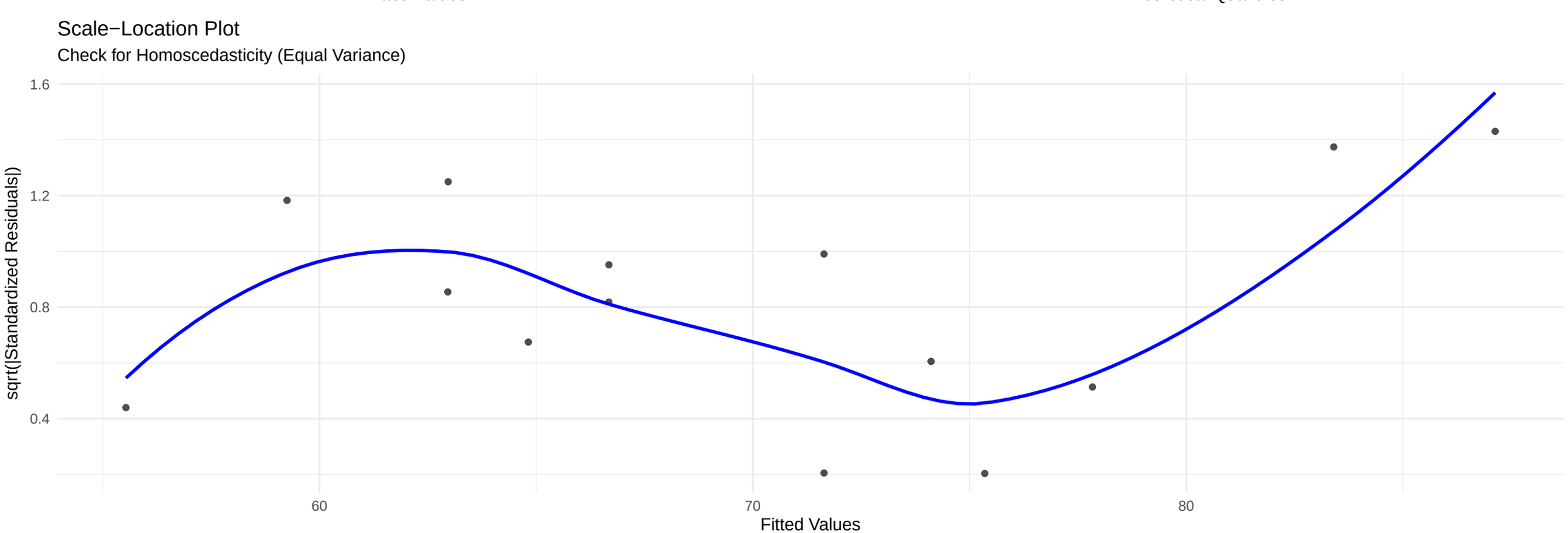


Diagnostics for: Sitting Diastolic BP

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.1495)

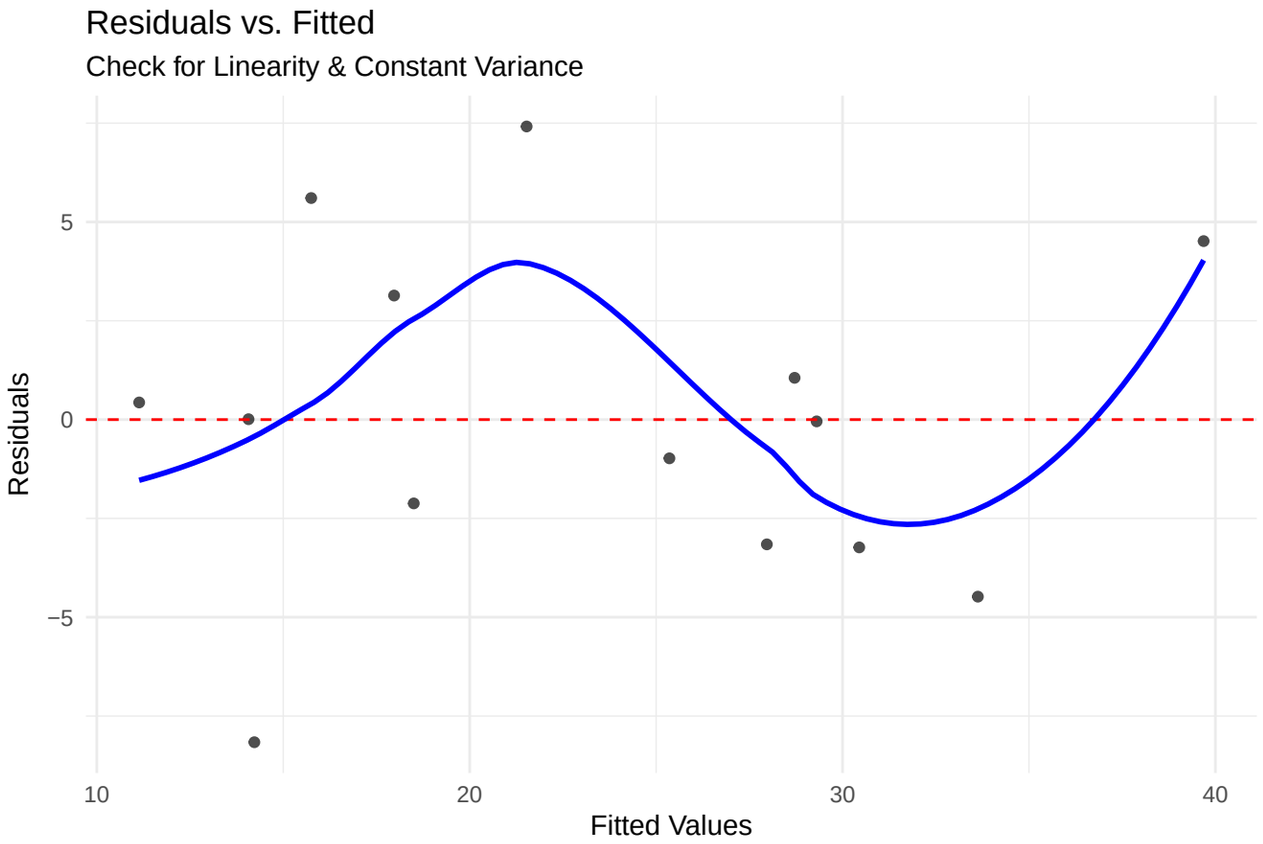


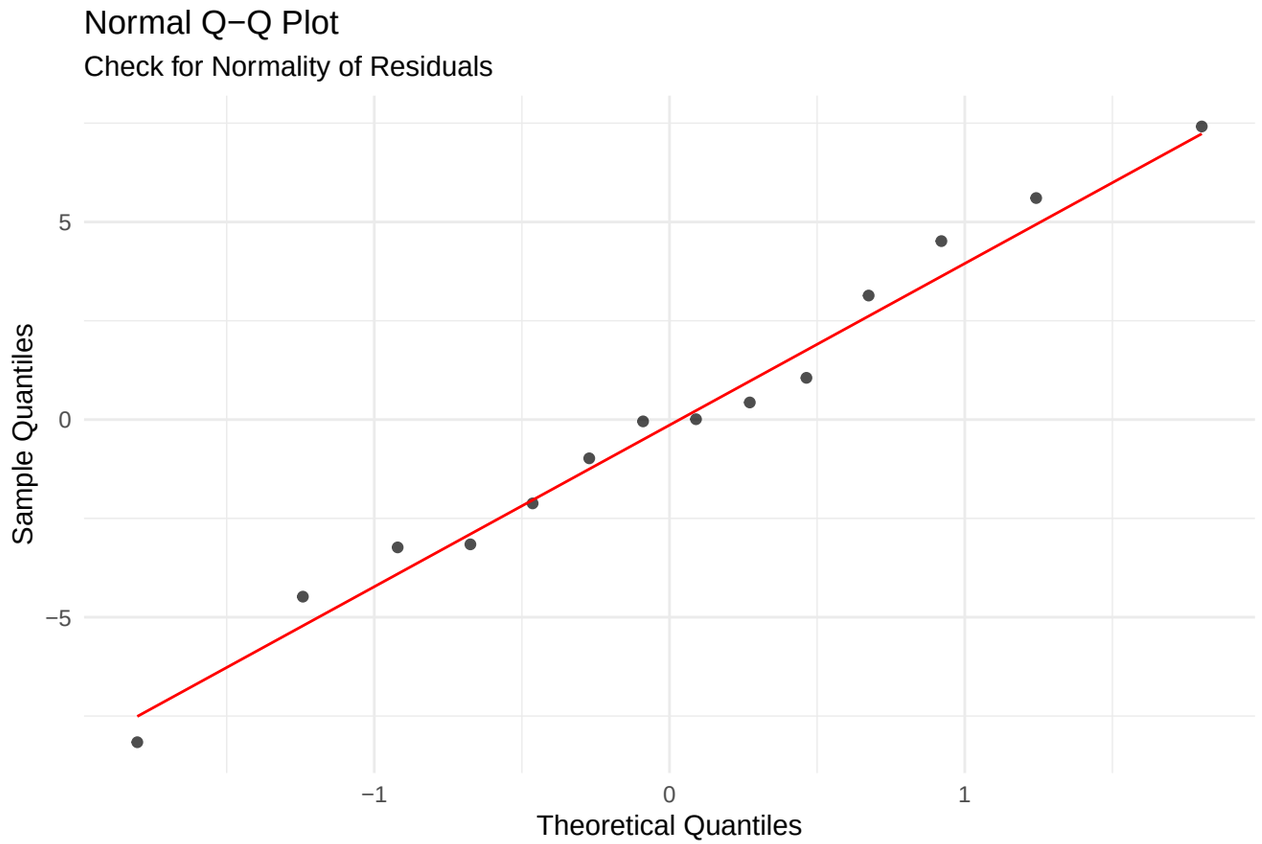


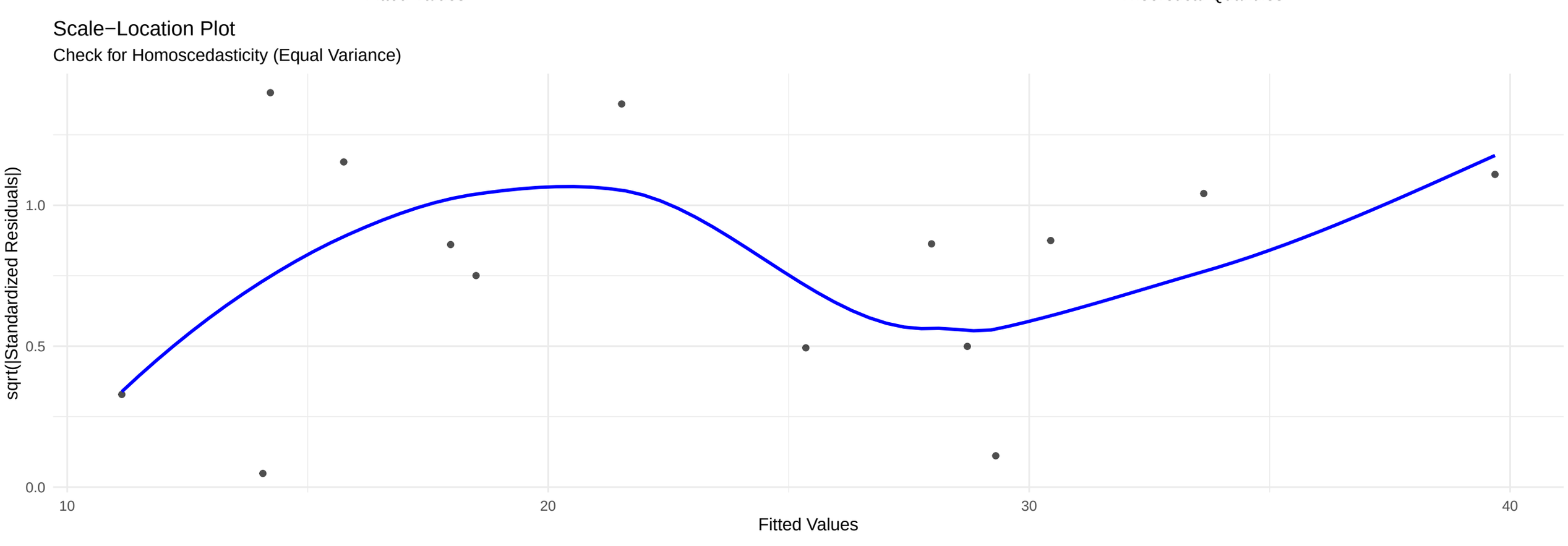


Diagnostics for: VO2 Peak (mL/kig/min)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.8995)

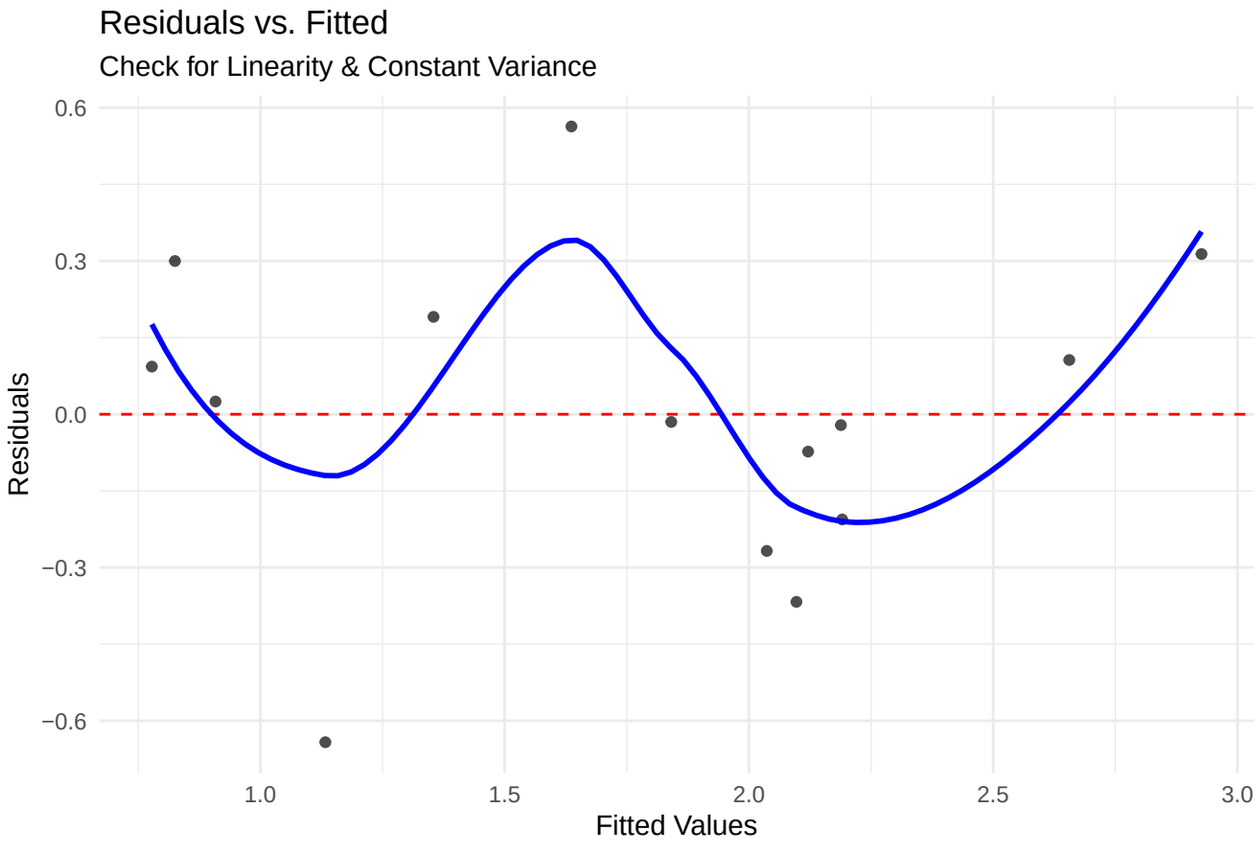


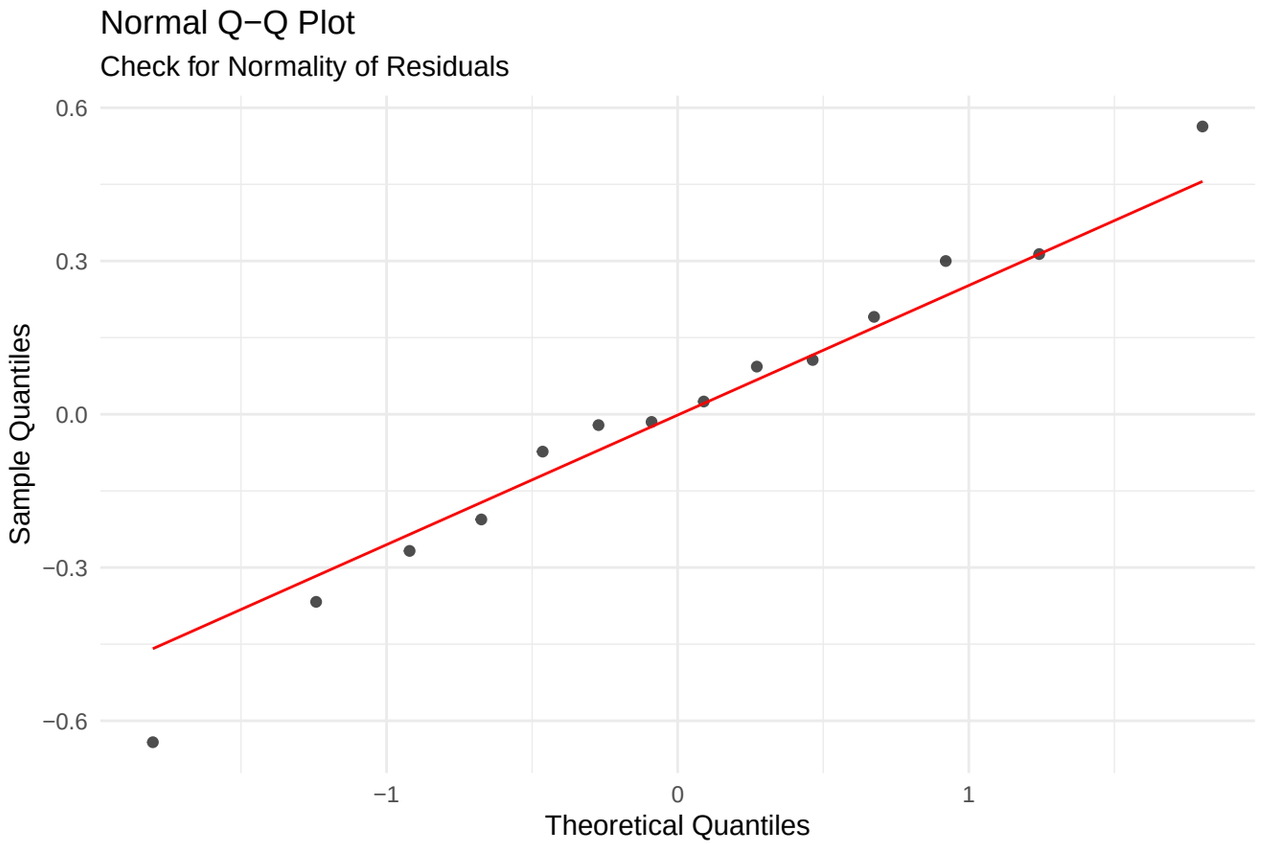


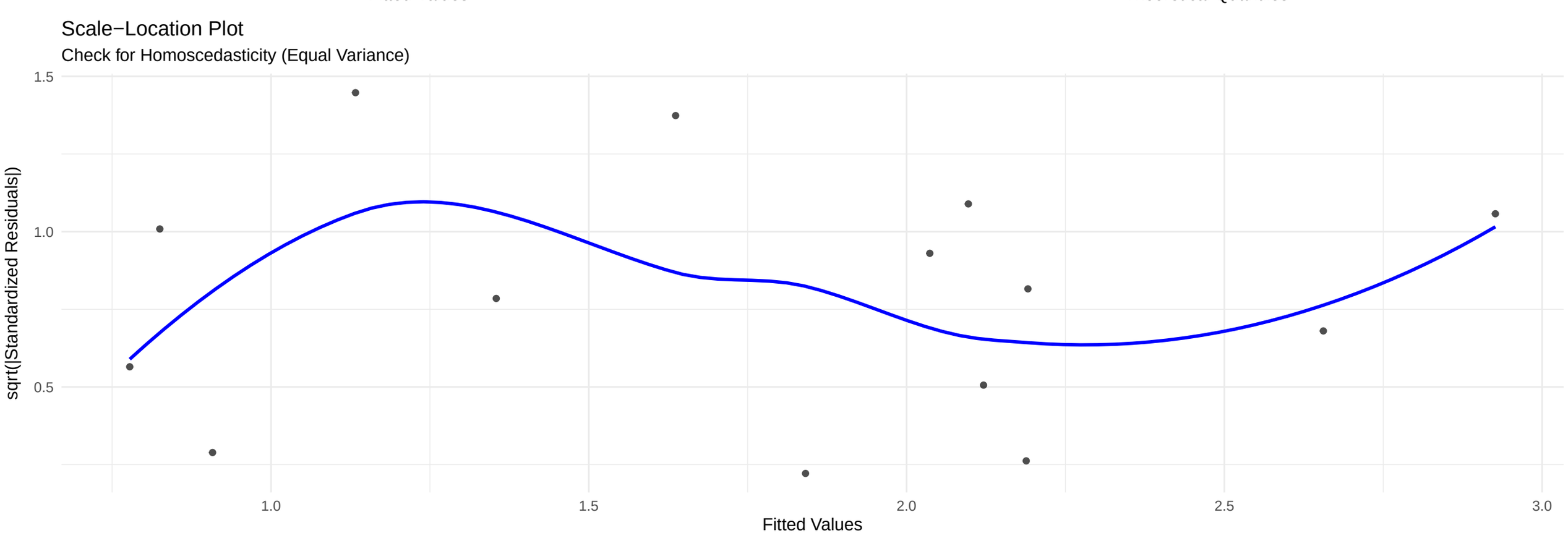


Diagnostics for: VO2 Peak (L/min)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9984)

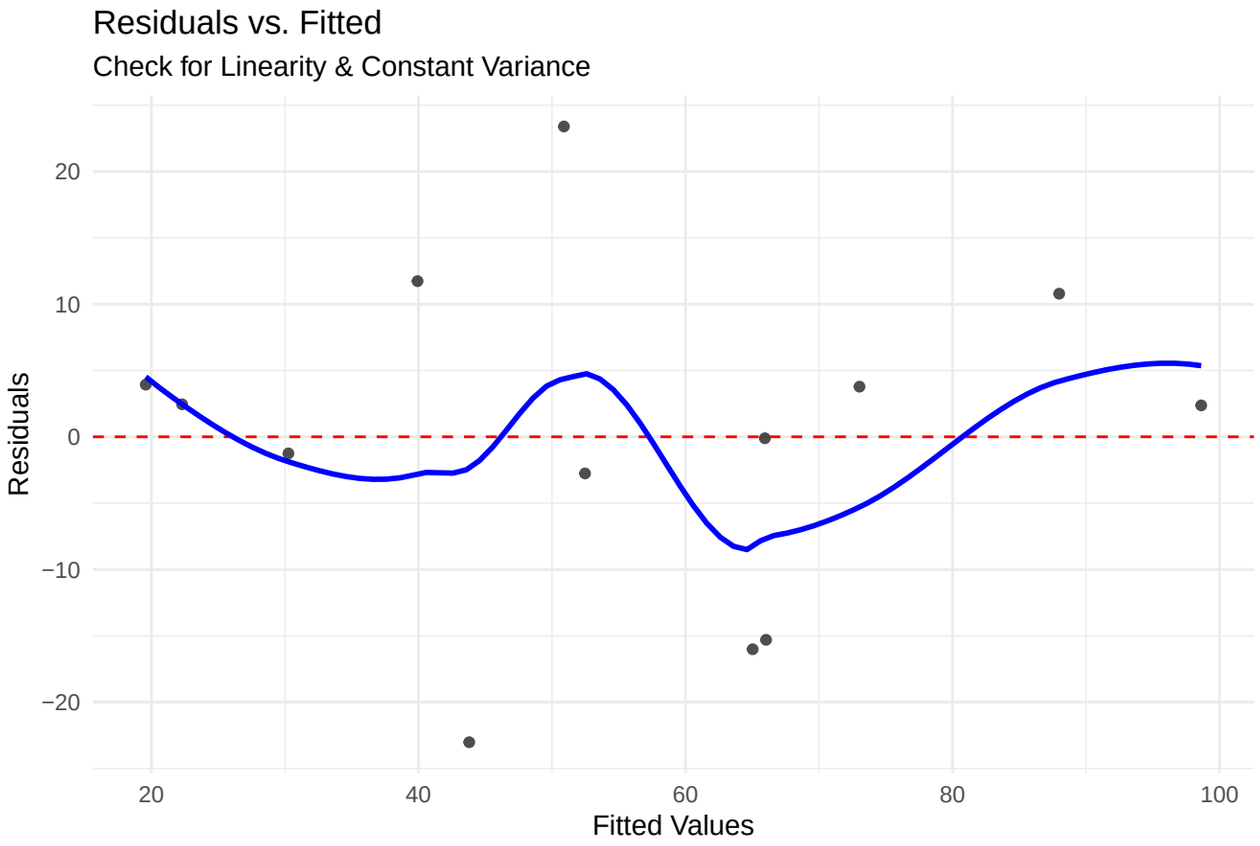


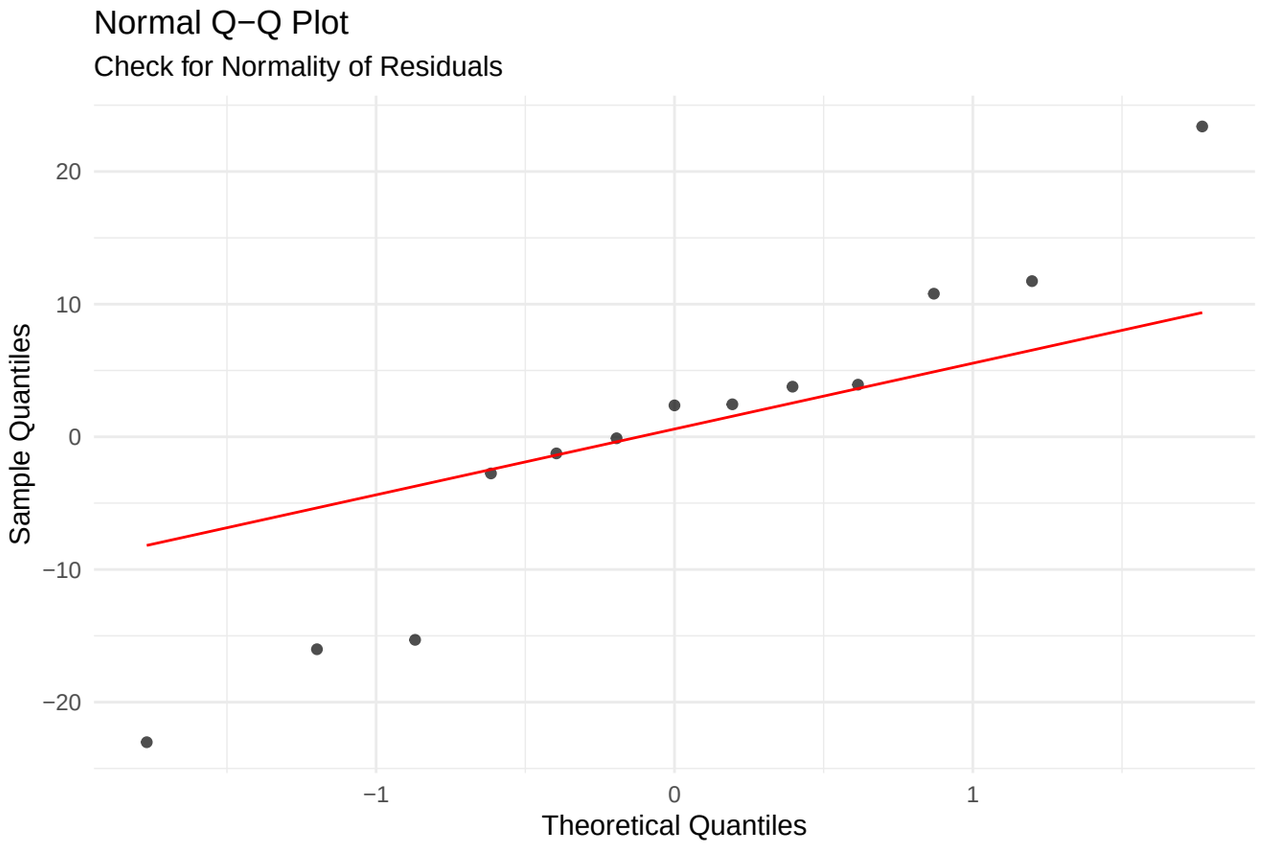


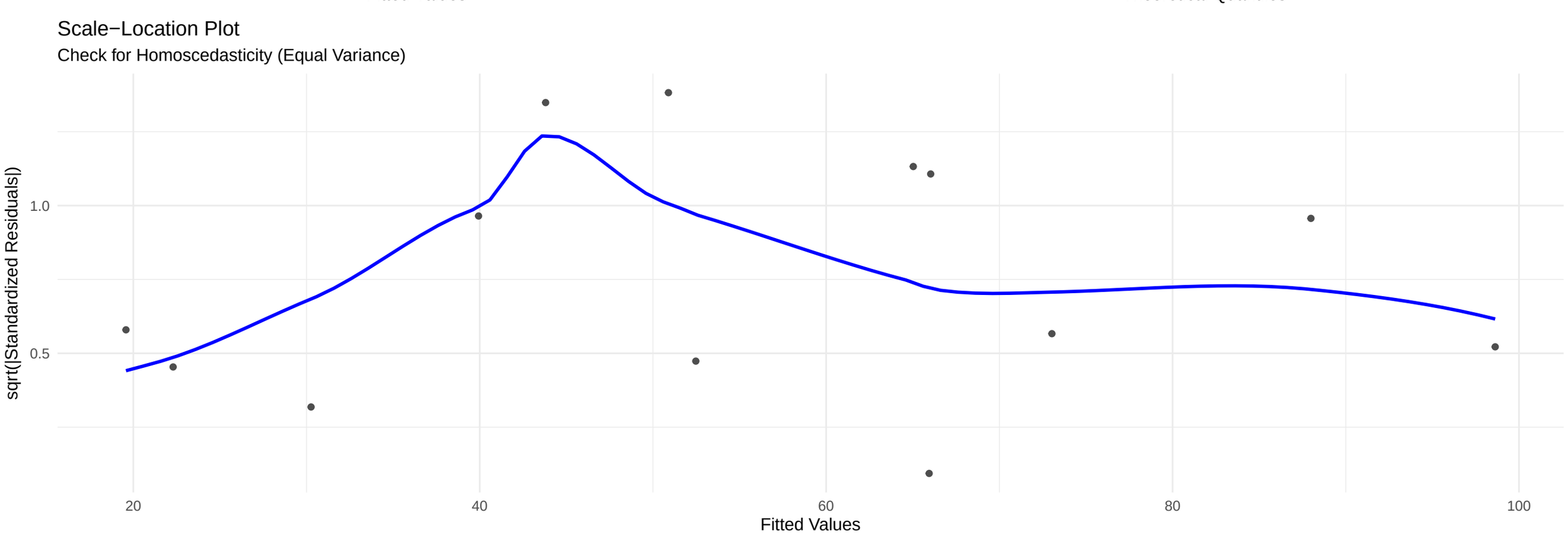


Diagnostics for: VE

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.8752)

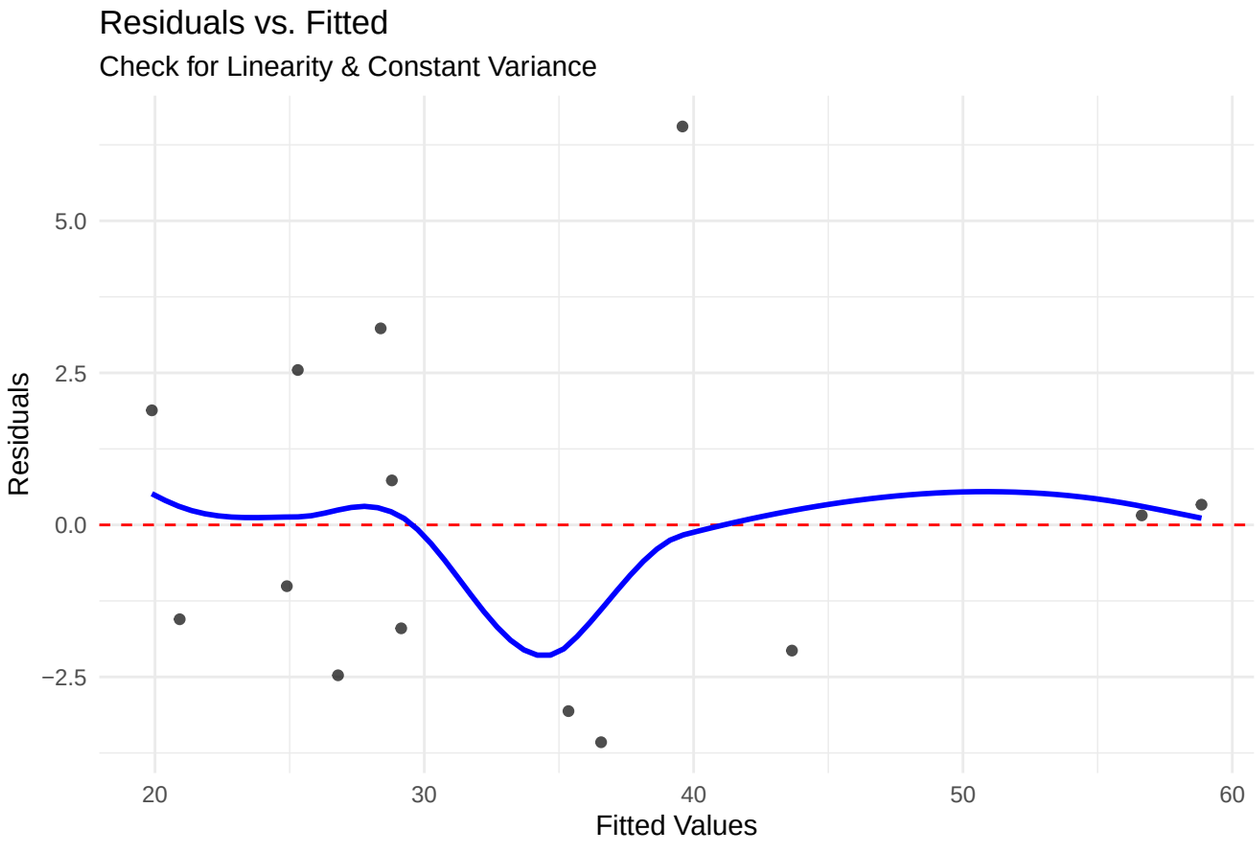


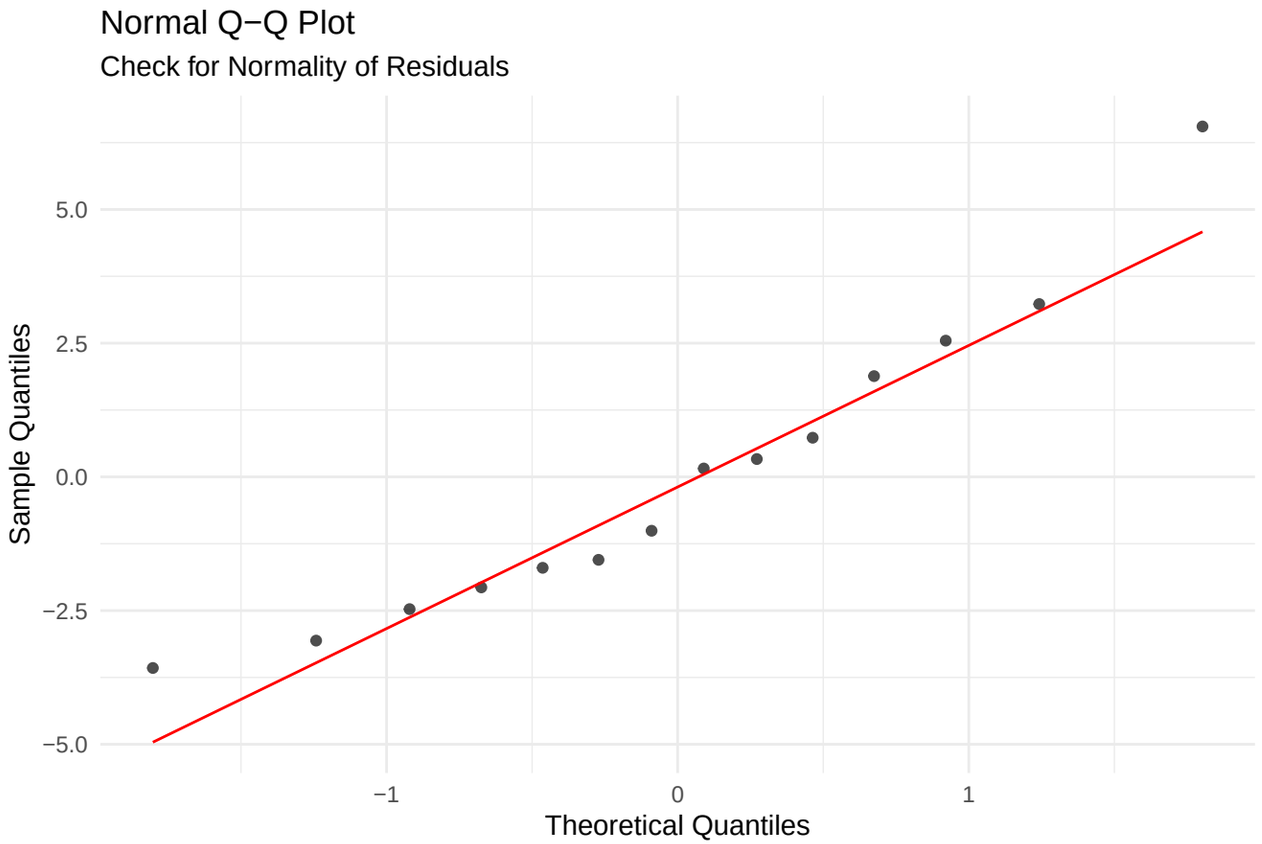


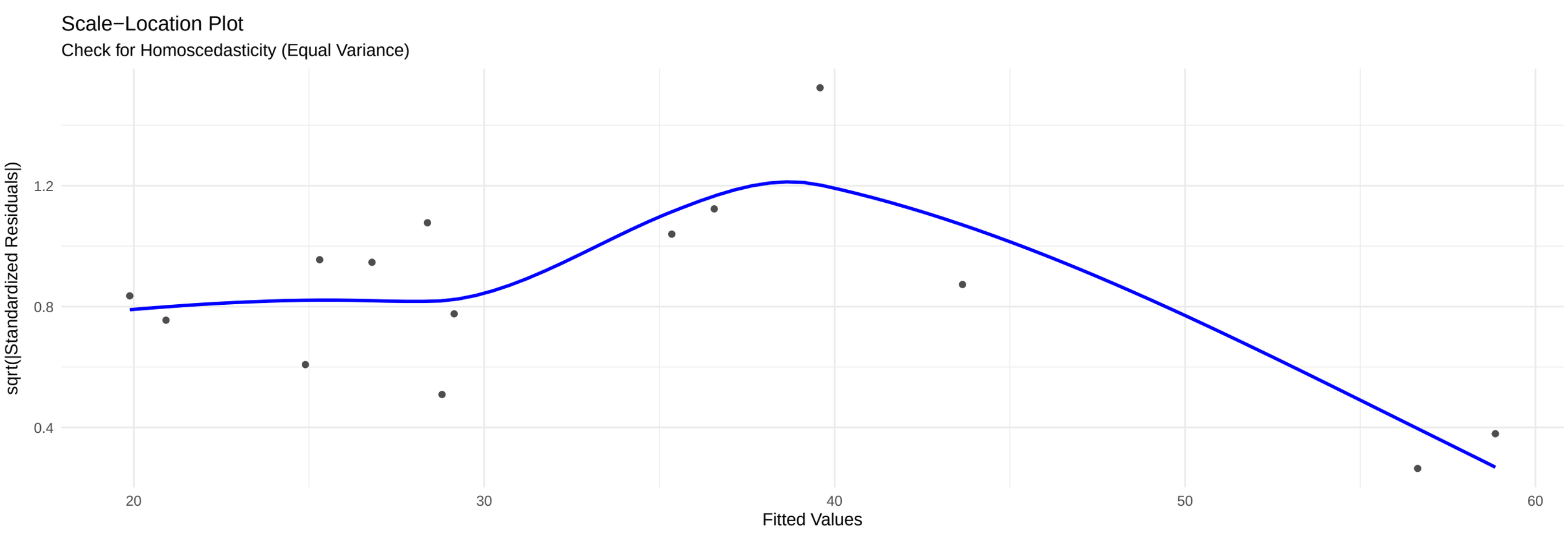


Diagnostics for: Peak Respiratory Rate

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.5632)

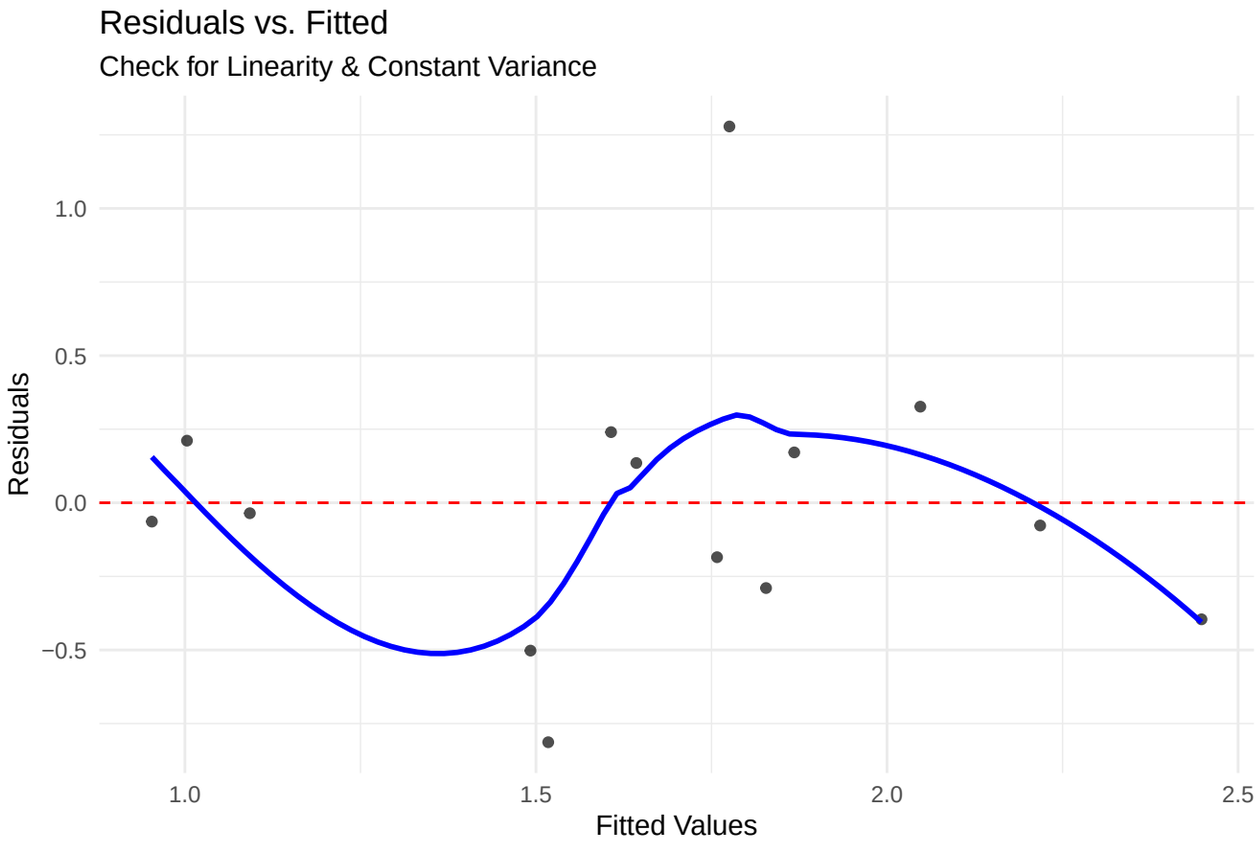


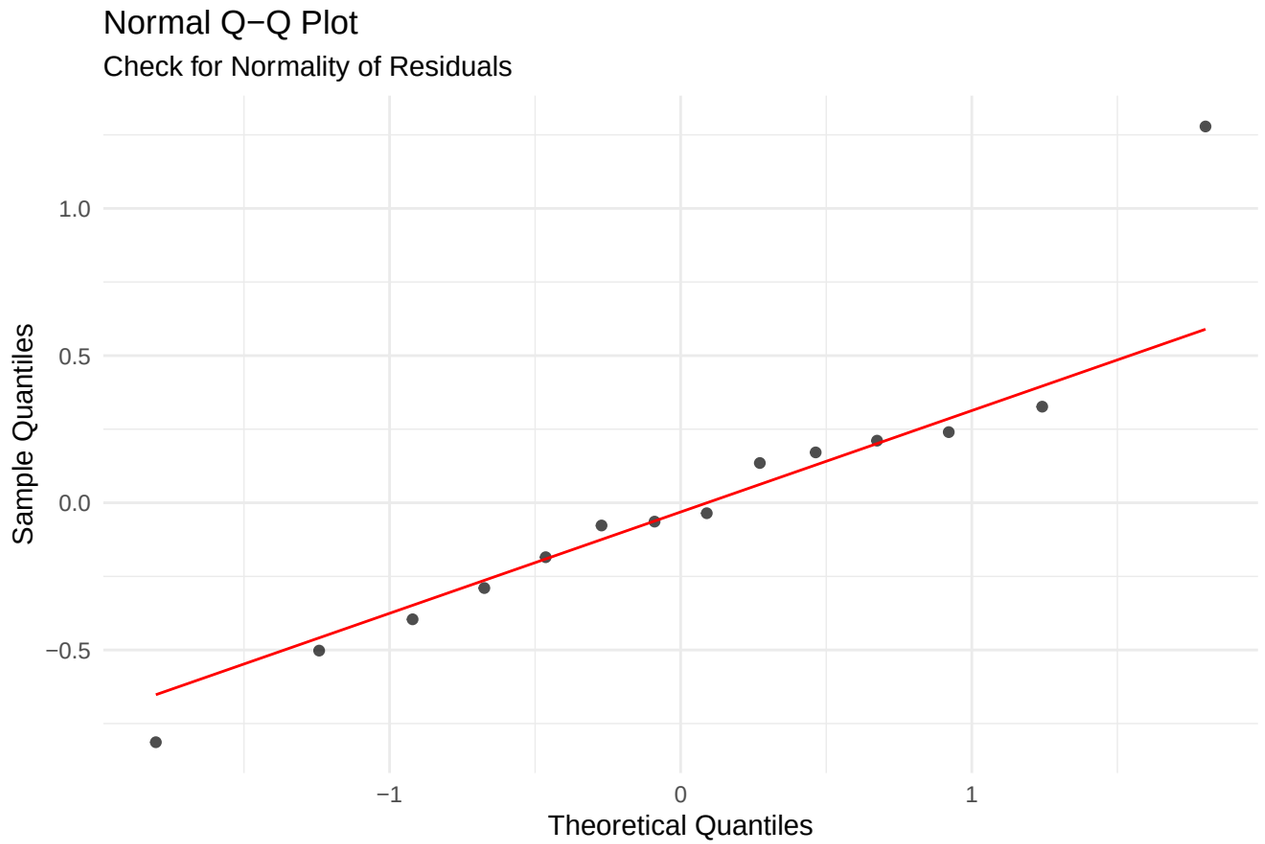


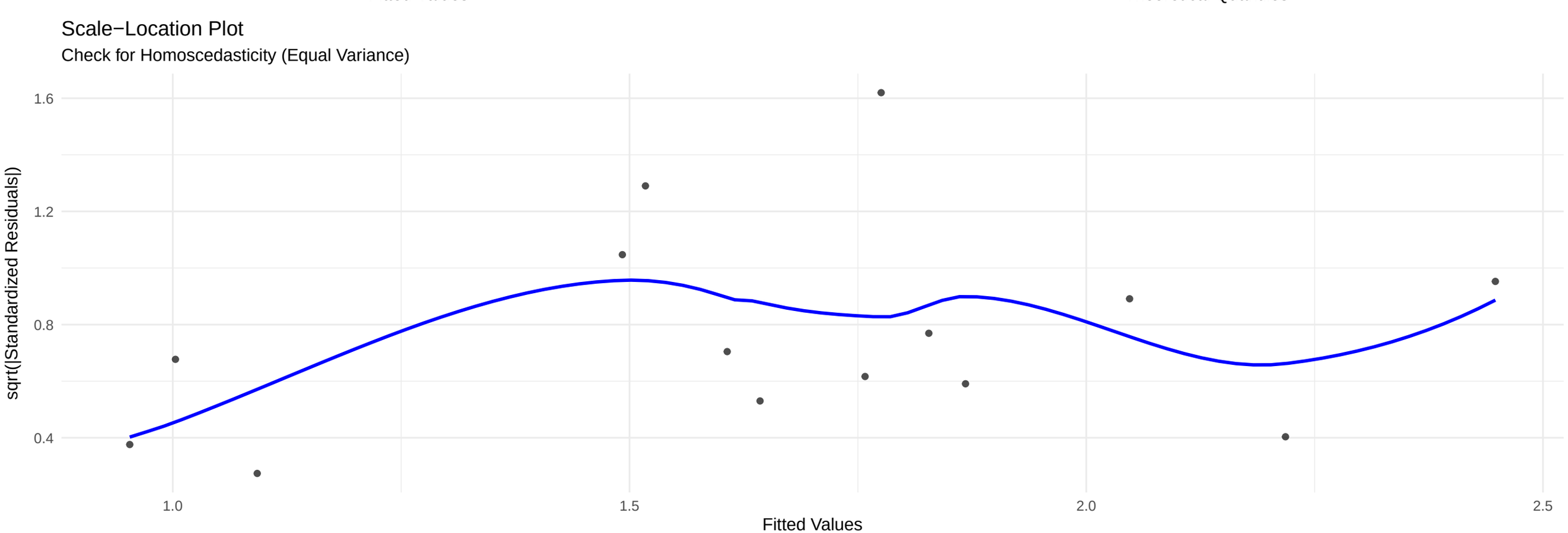


Diagnostics for: Peak Tidal Volume

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.6579)

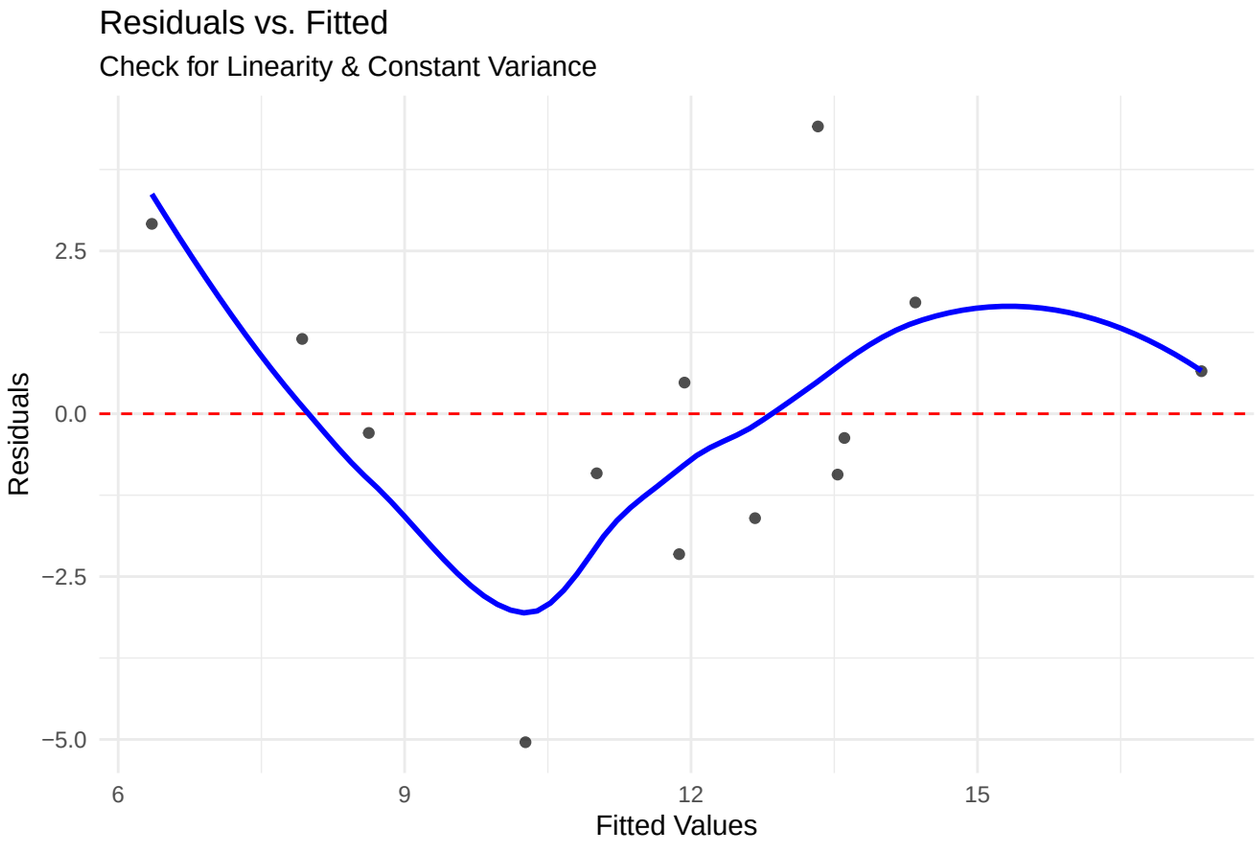


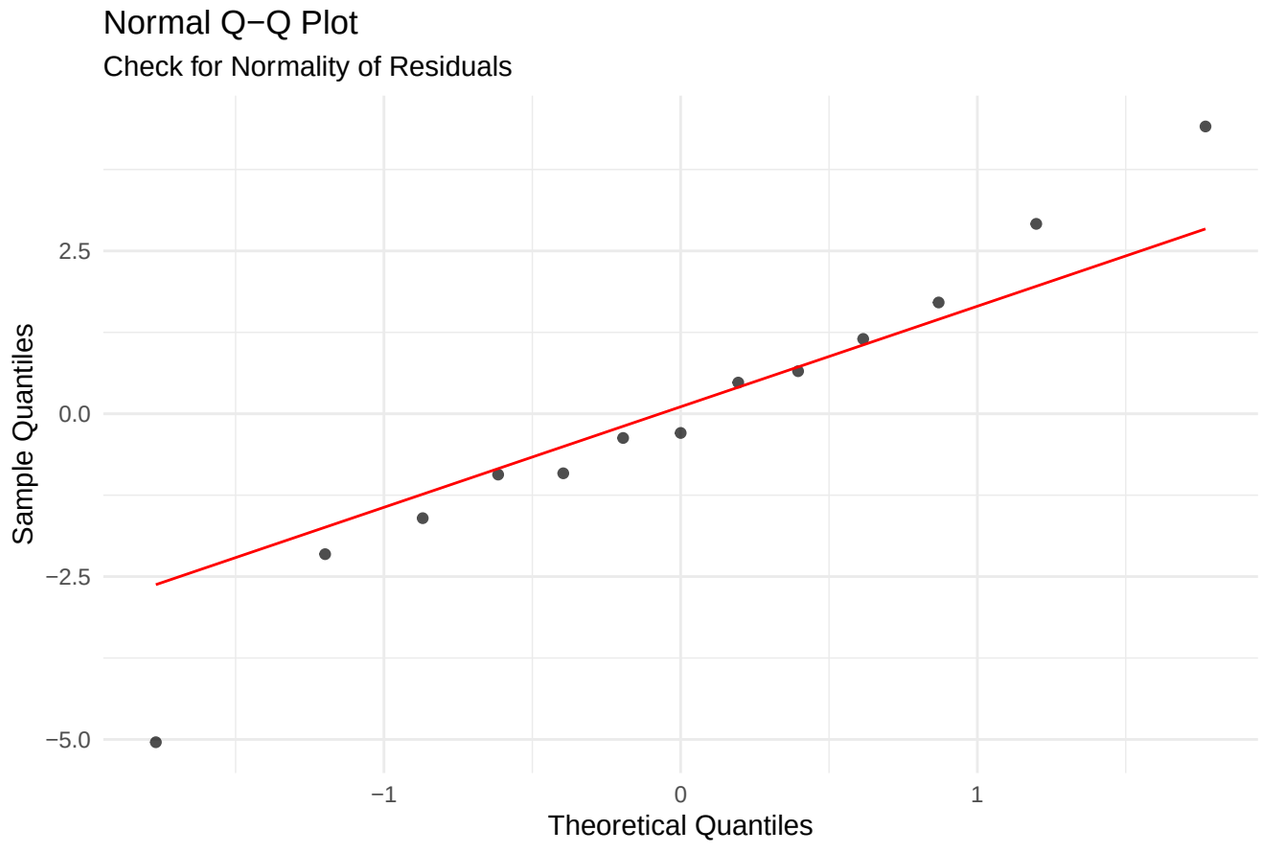


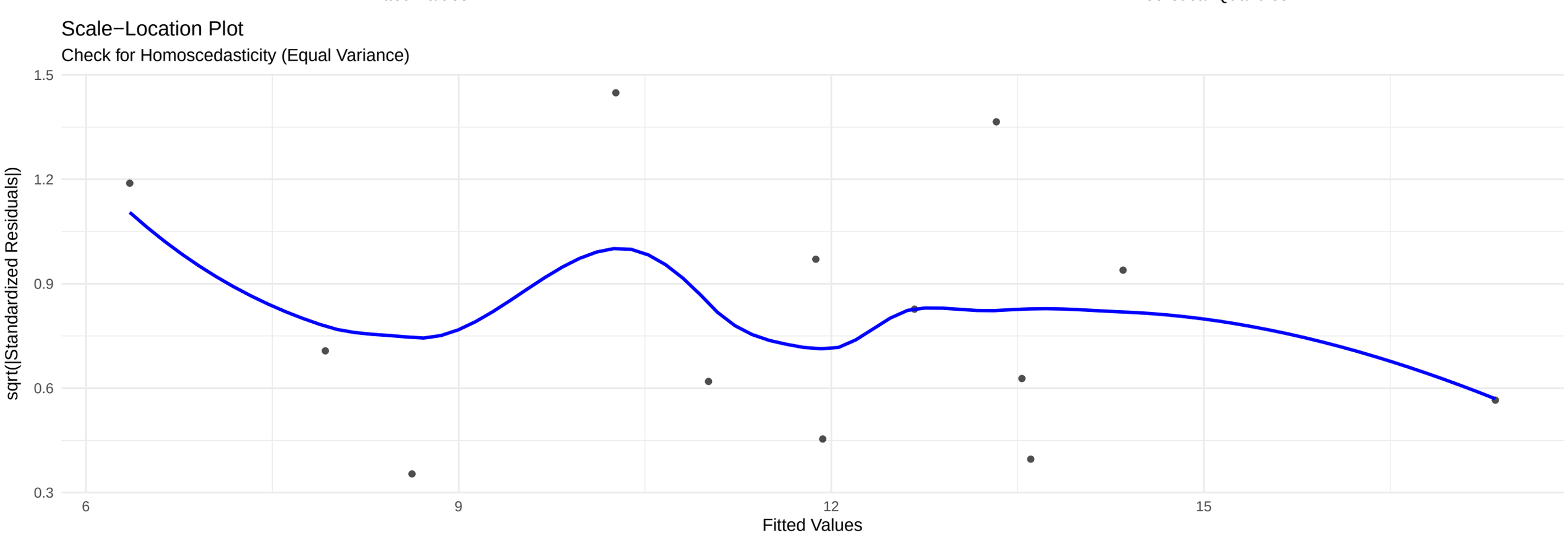


Diagnostics for: Peak O2 Pulse

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.5091)

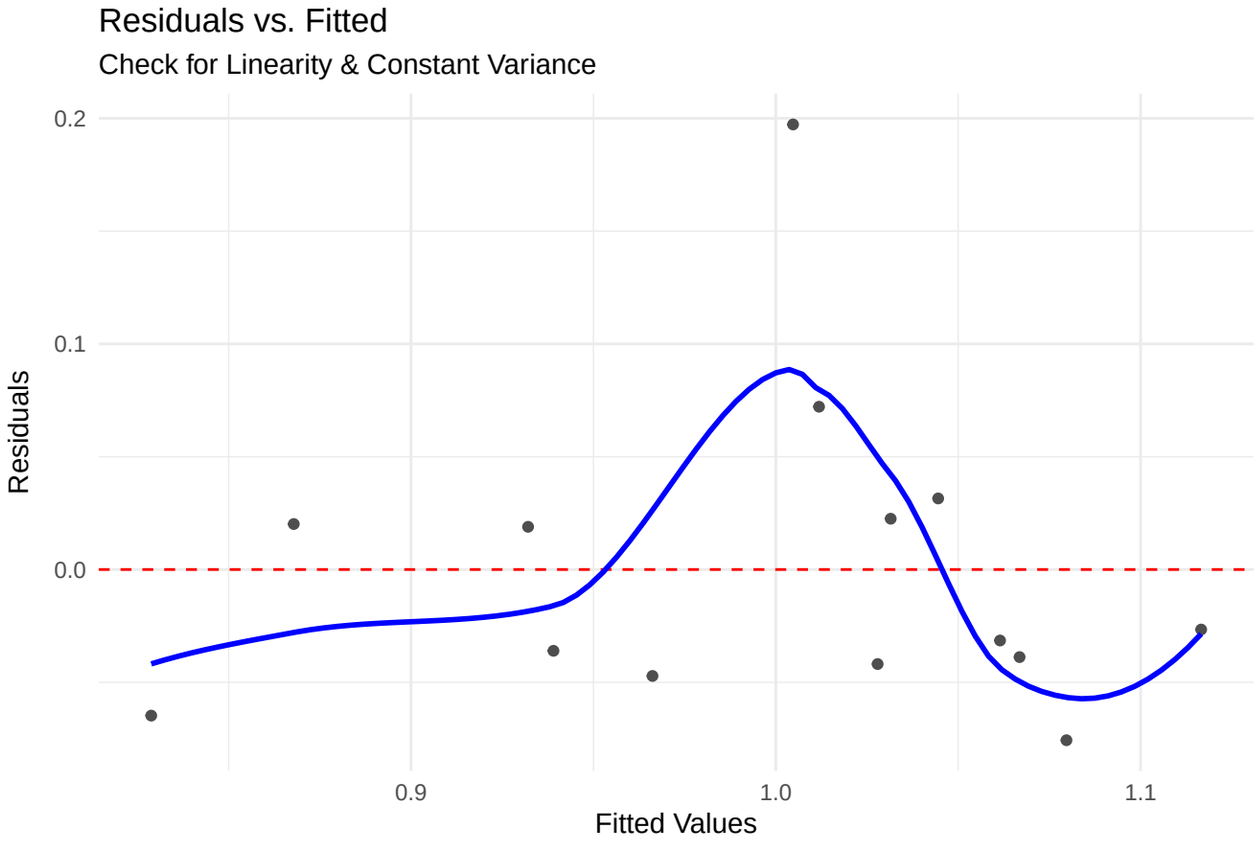


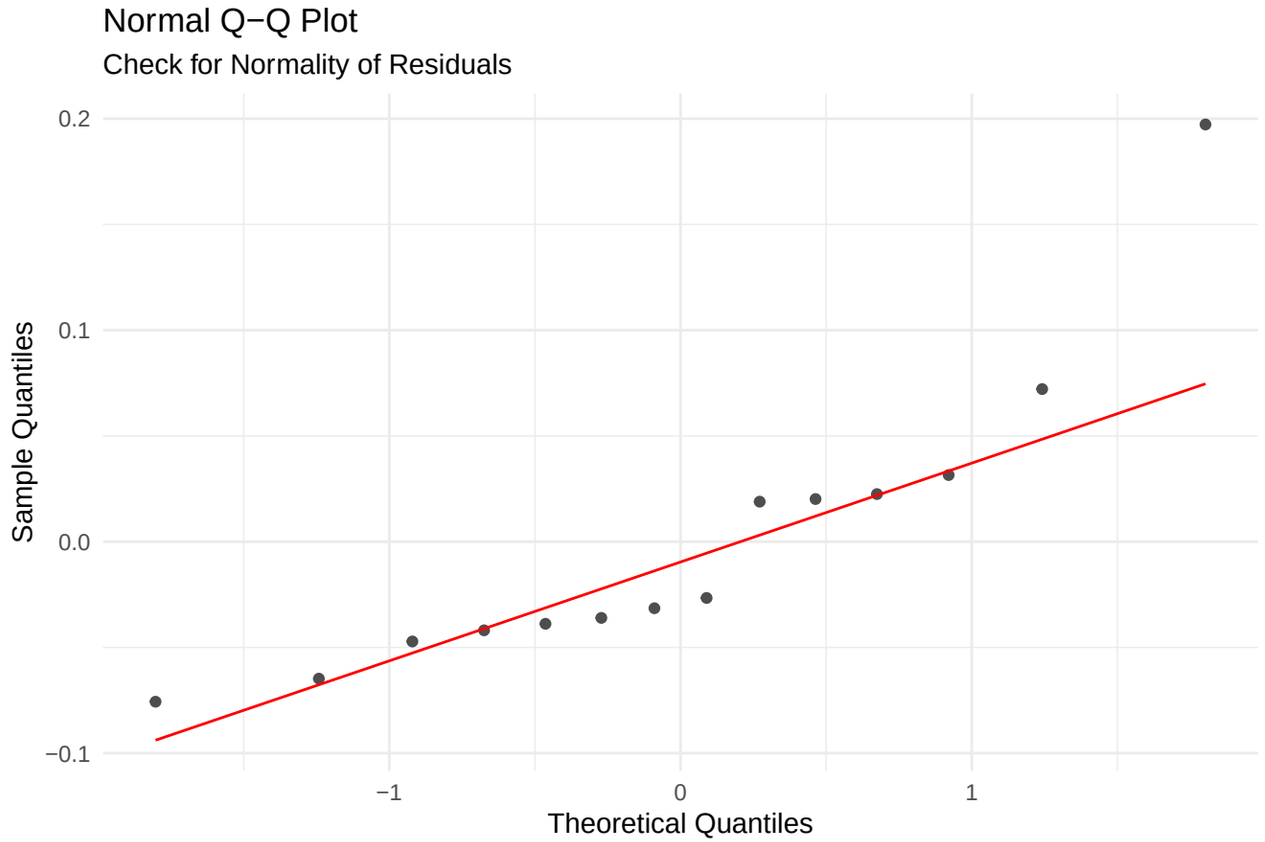


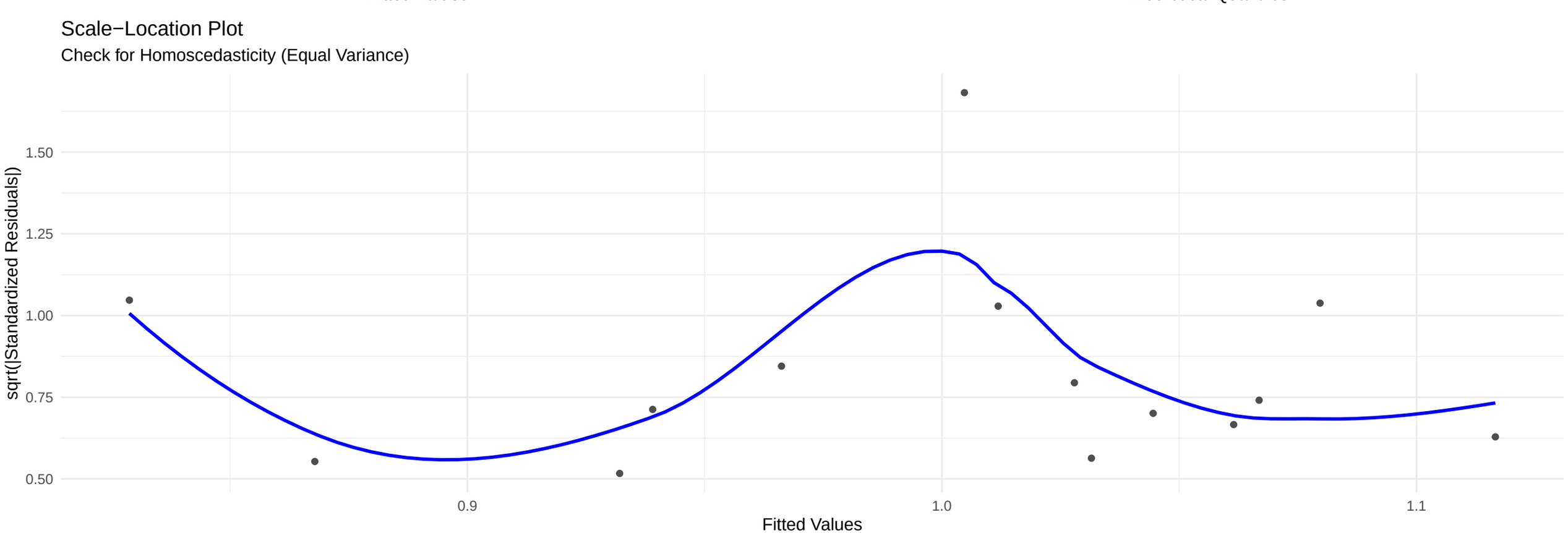


Diagnostics for: Peak RER

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.2095)

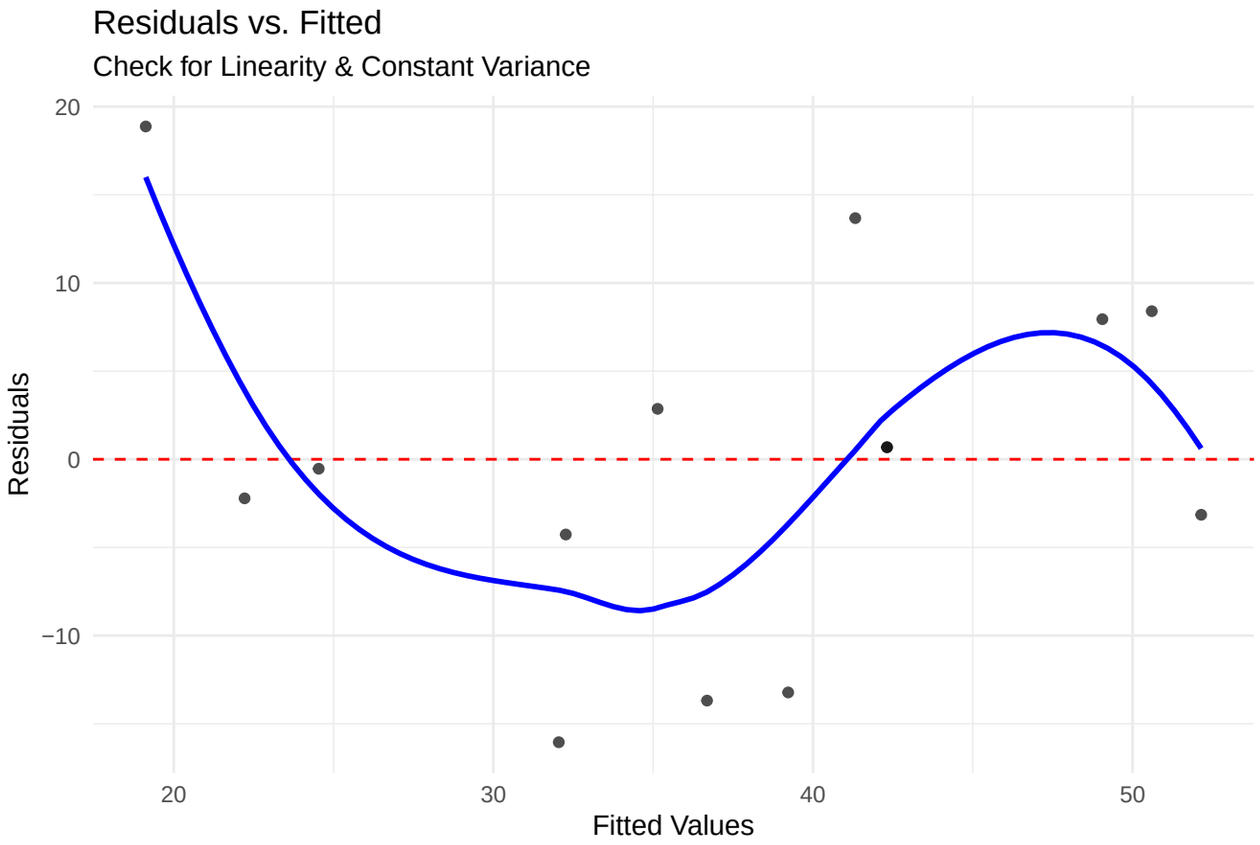


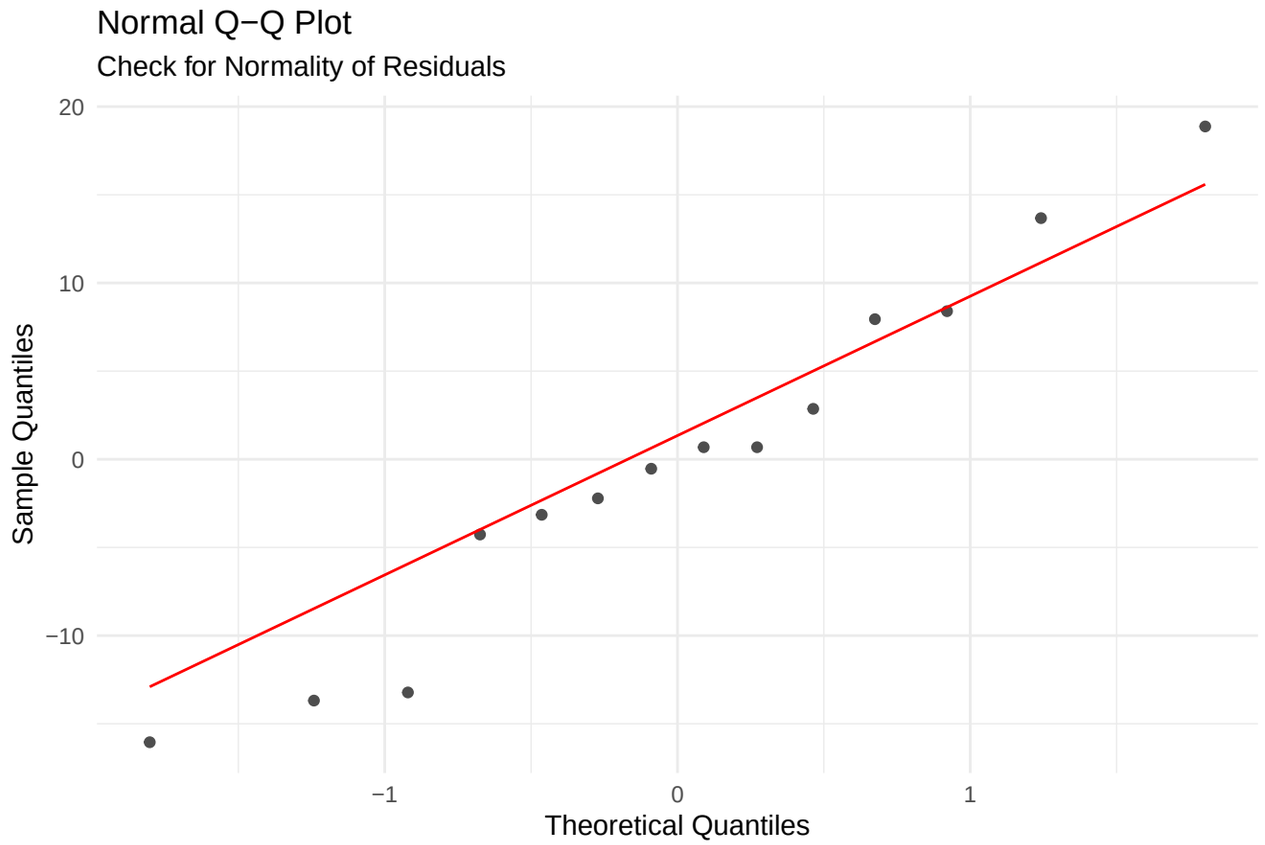


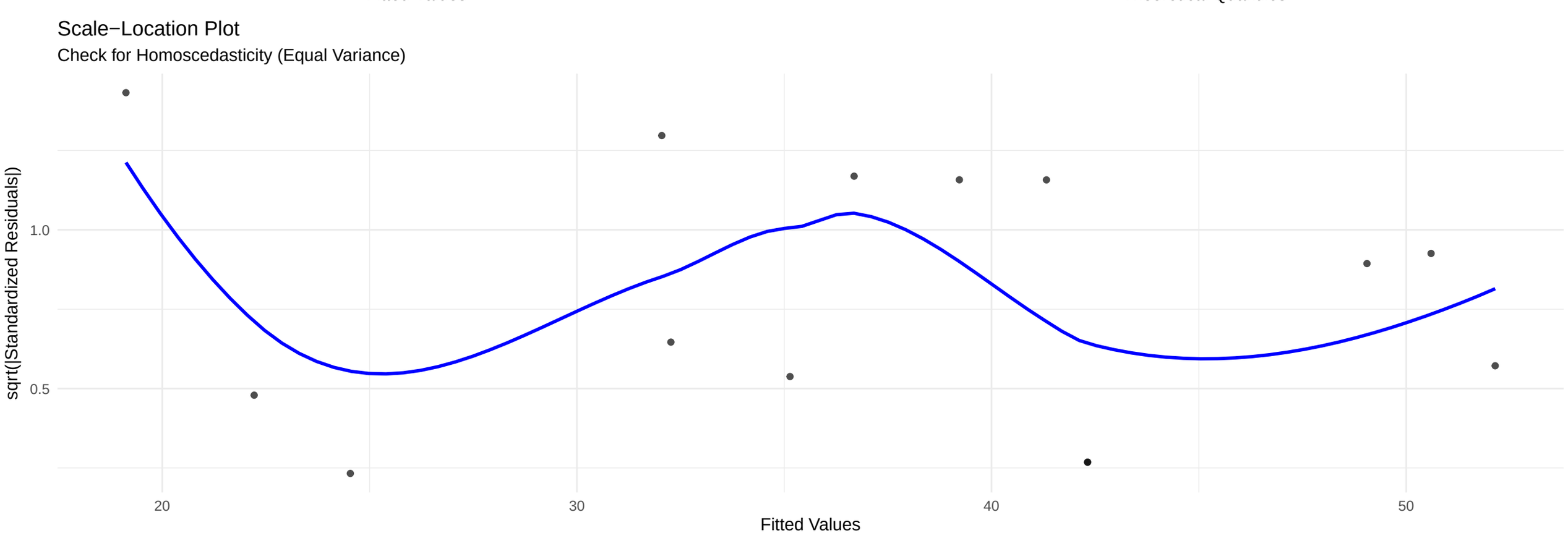


Diagnostics for: Fatigue Severity

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.0748)

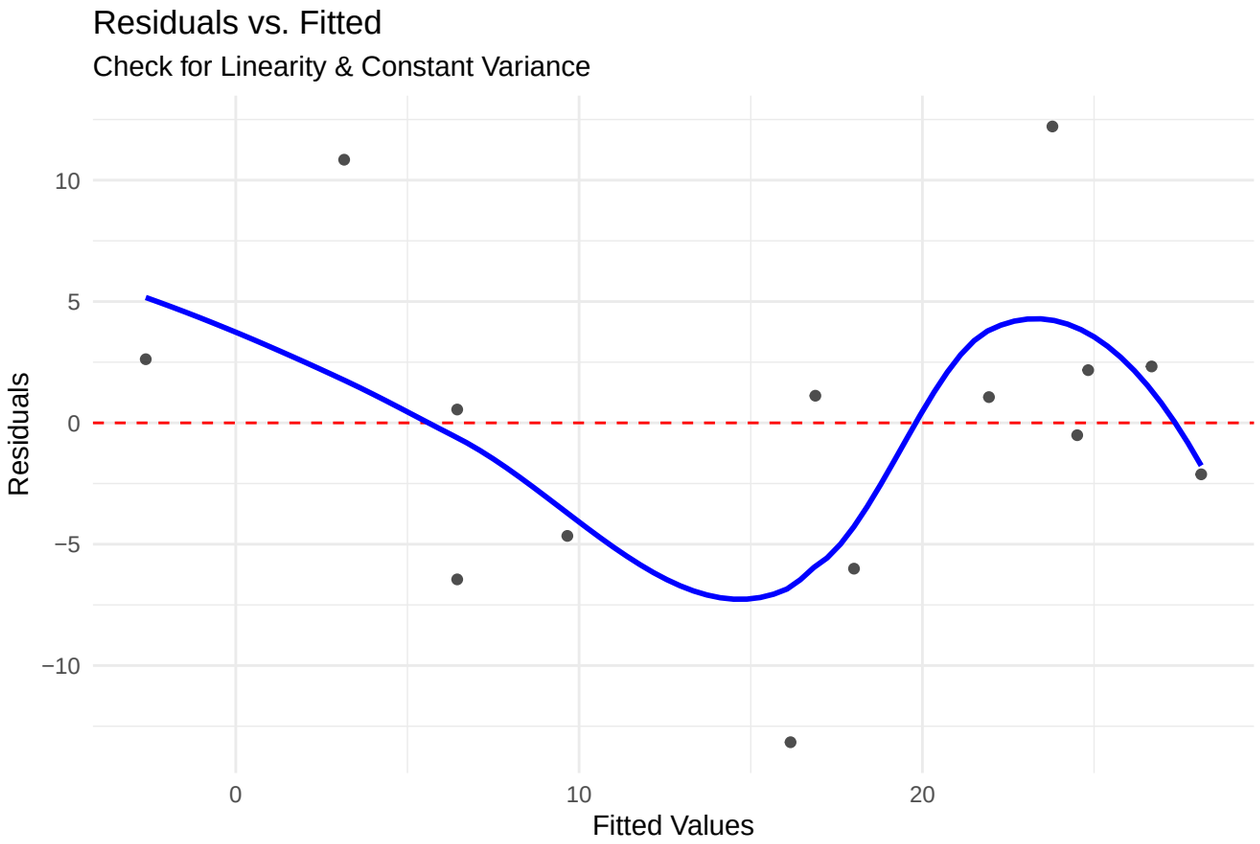


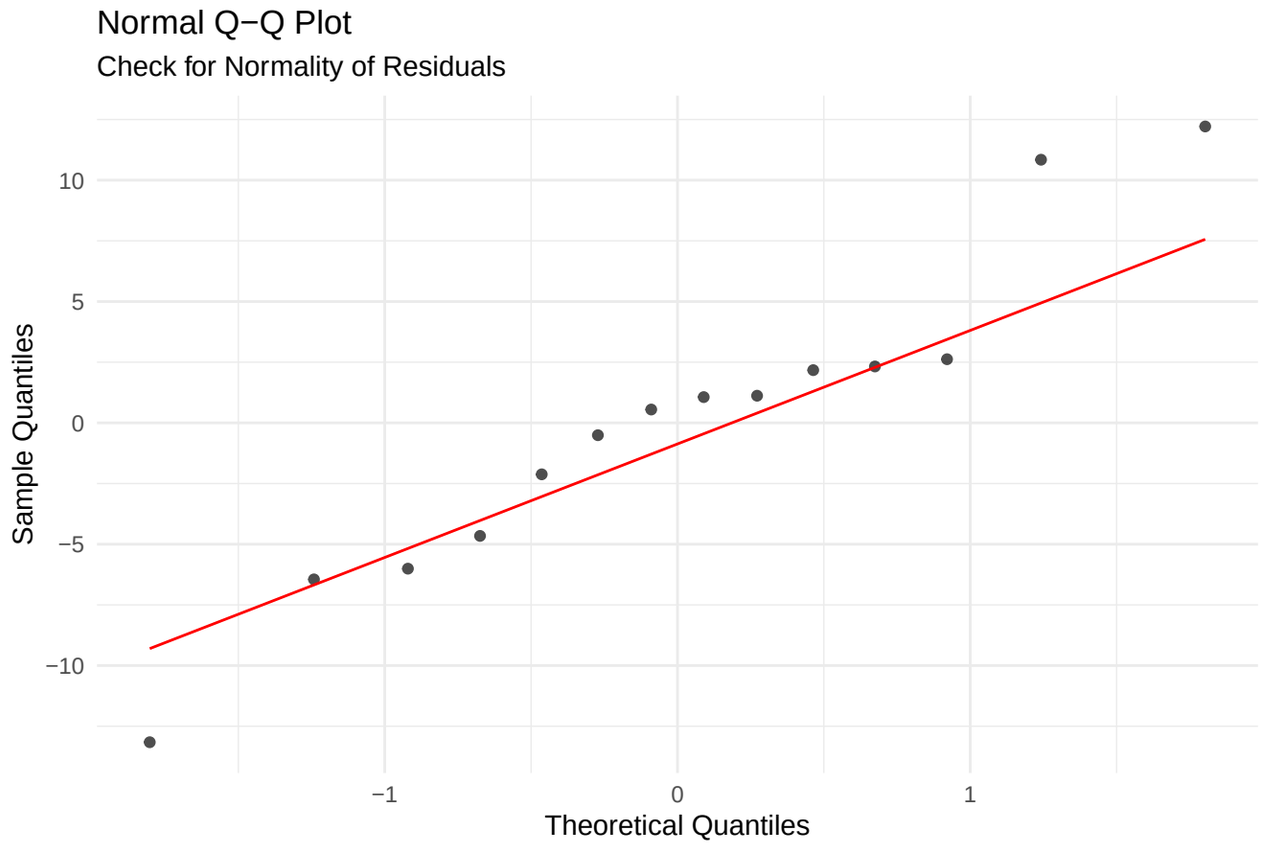


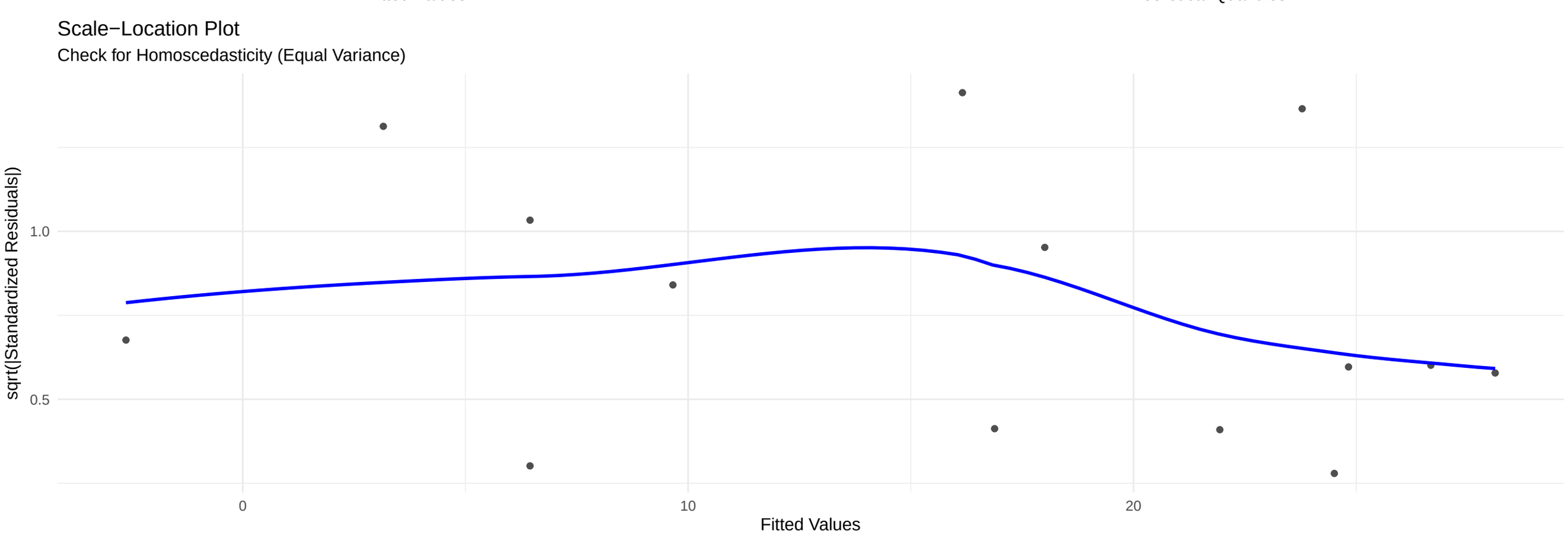


Diagnostics for: Post−Exertional Malaise (DSQ)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.2787)

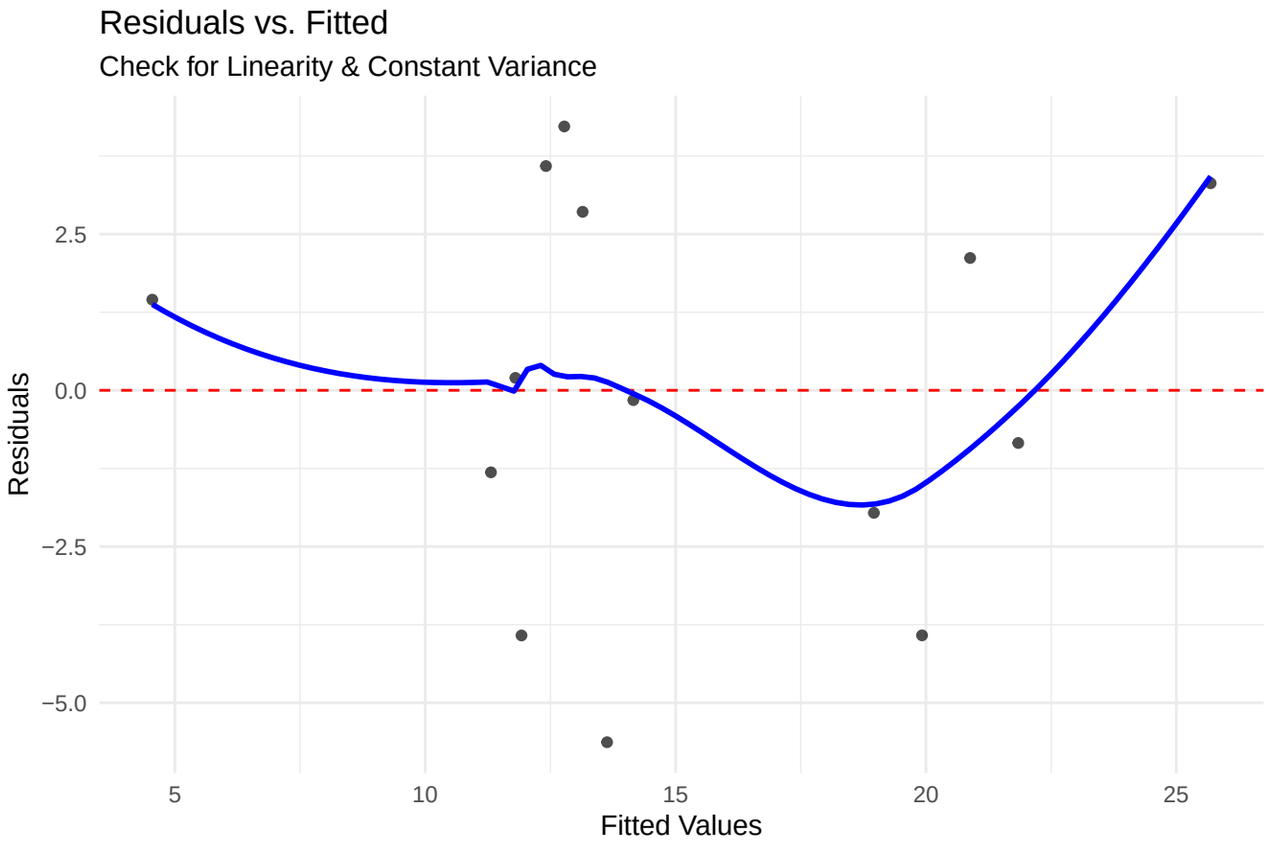


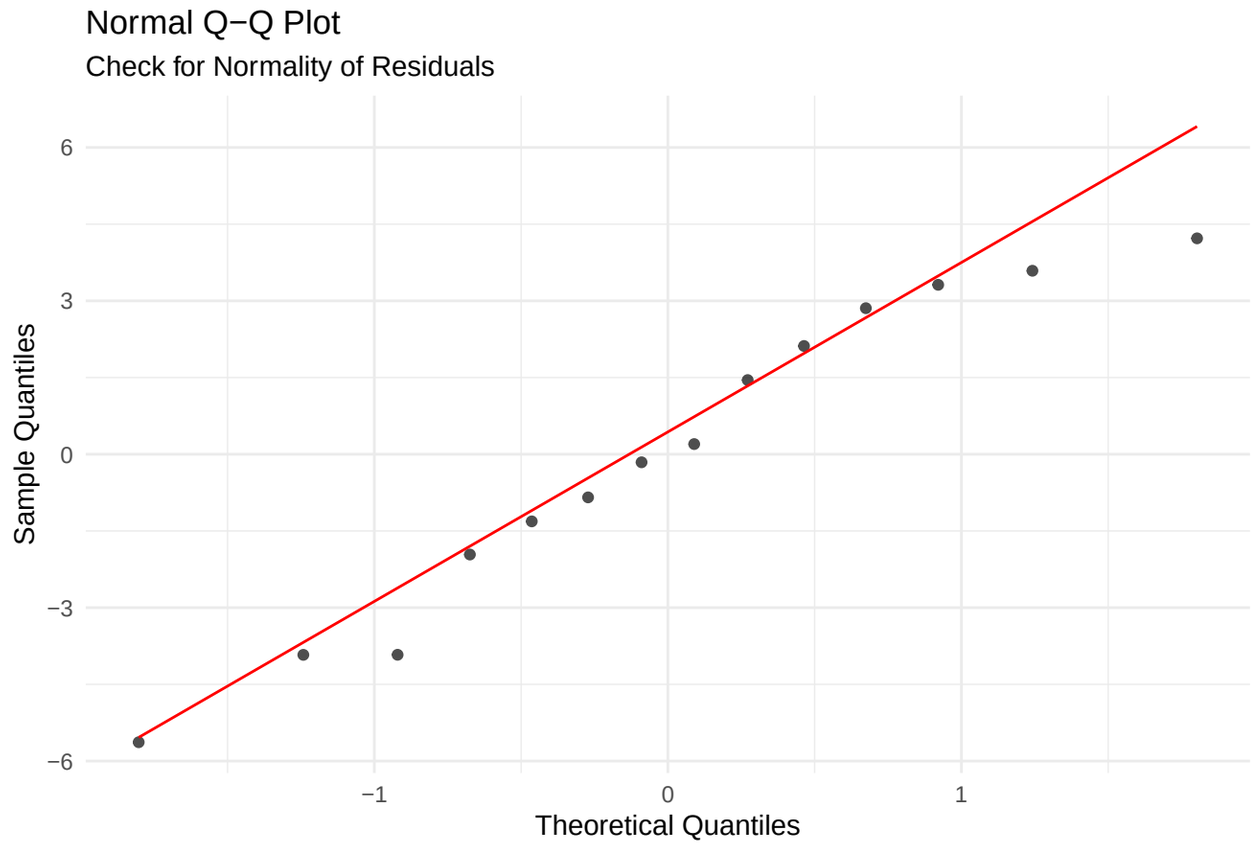


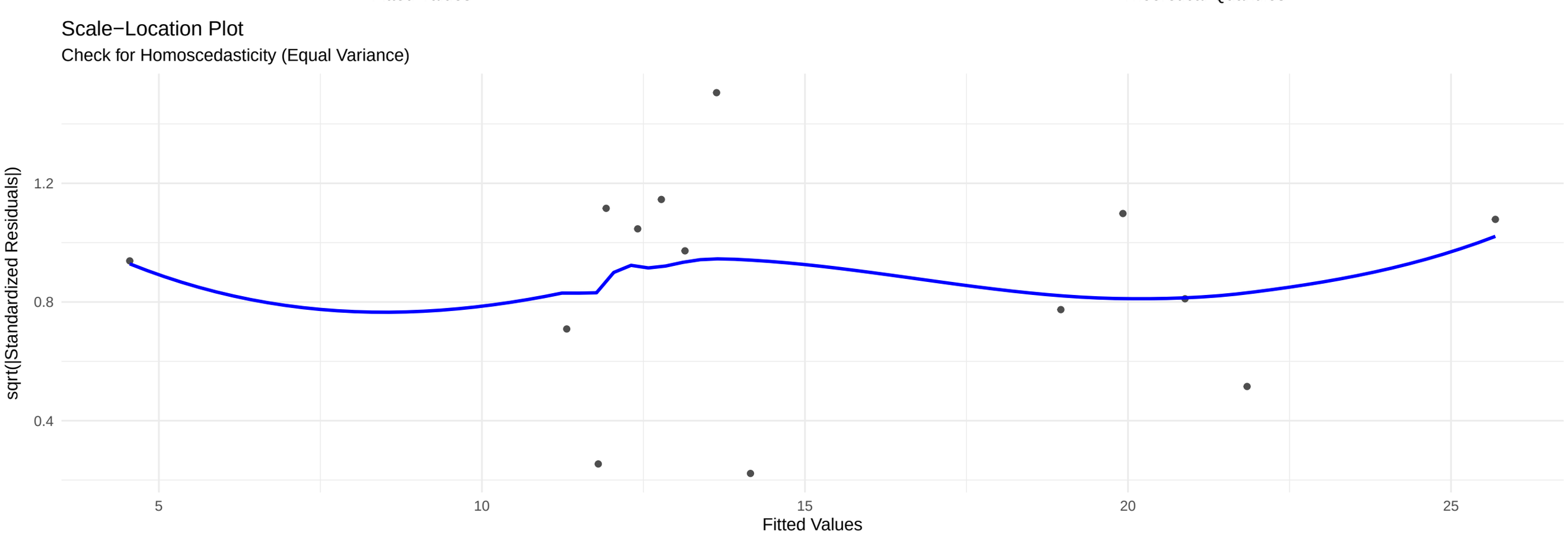


Diagnostics for: Mental Fatigue

Model WITH Interaction (Interaction p = 0.0044)





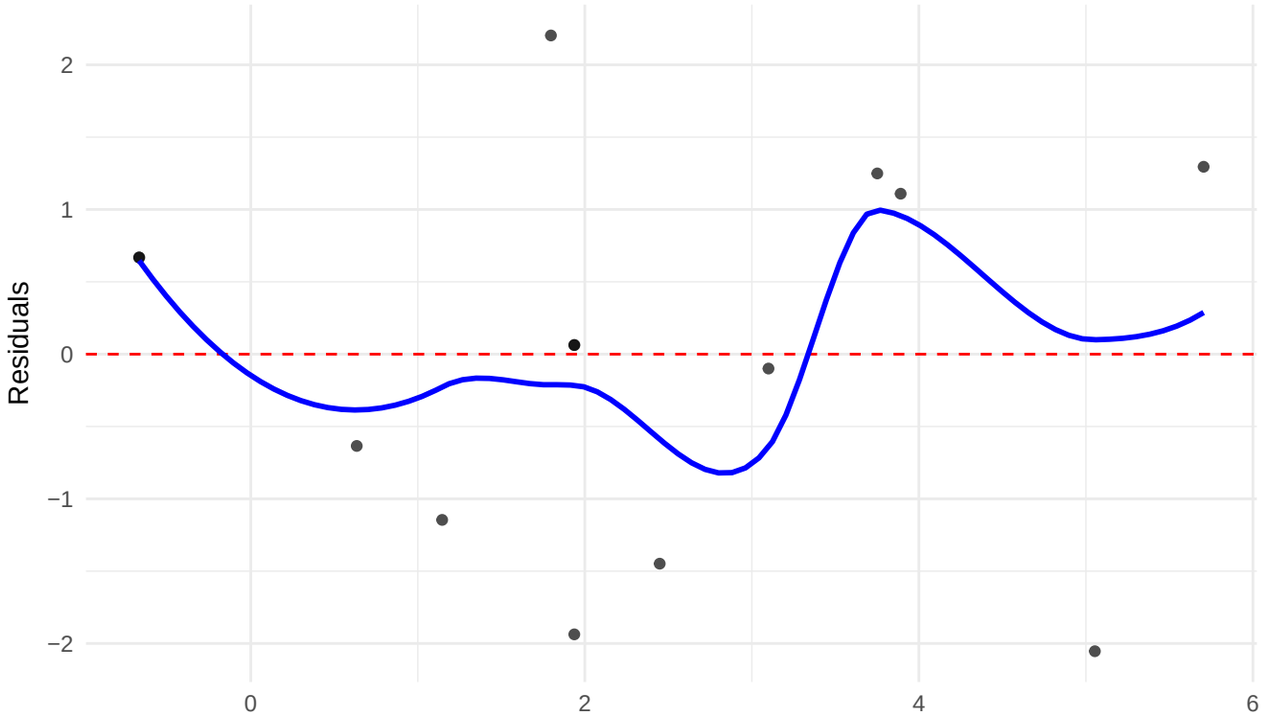


Diagnostics for: VAS Fatigue − Best

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9108)

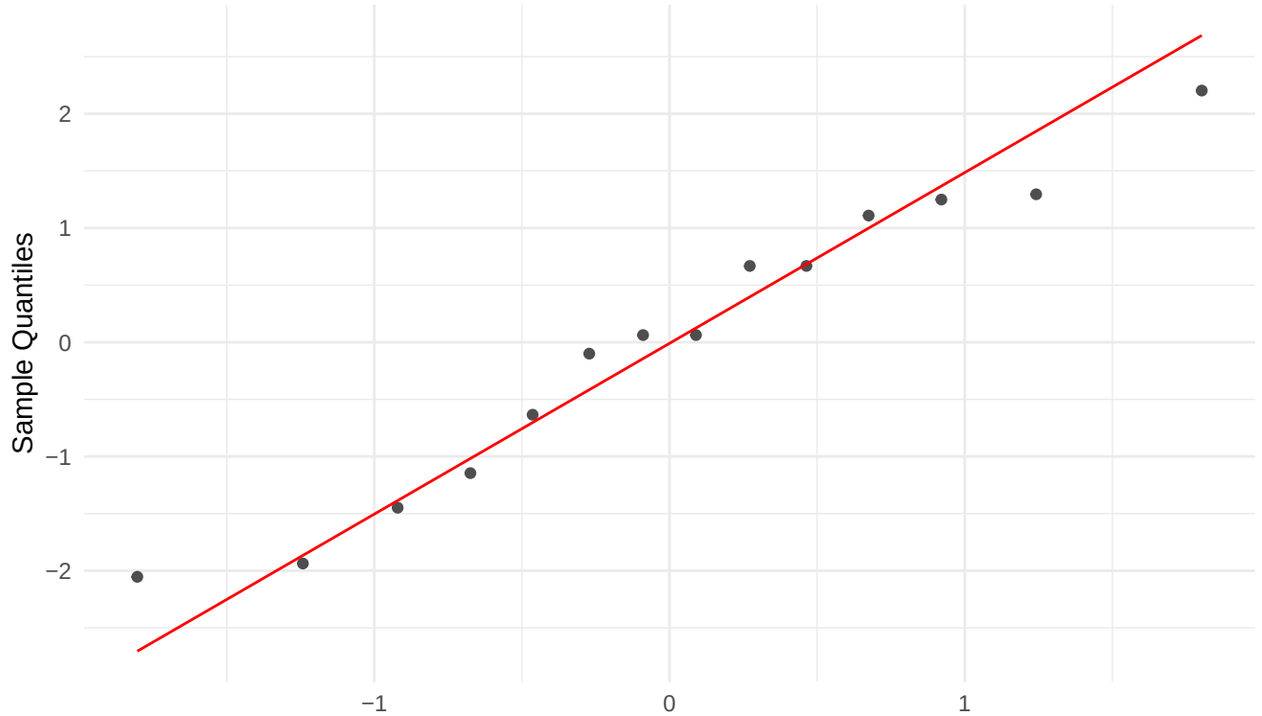
Residuals vs. Fitted

Check for Linearity & Constant Variance



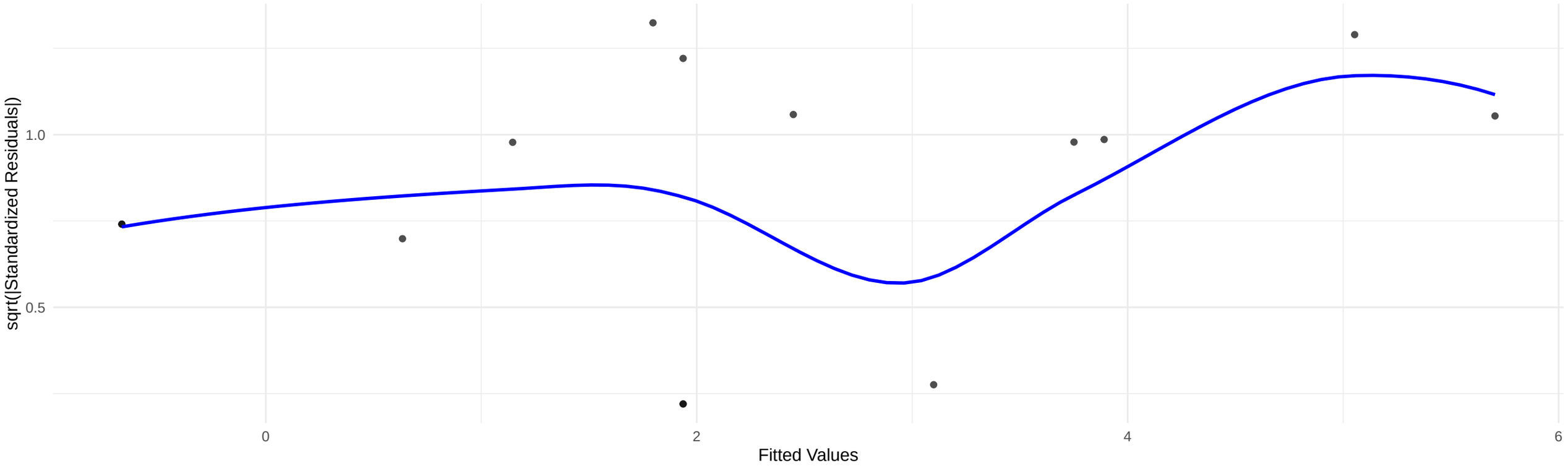
Normal Q−Q Plot

Check for Normality of Residuals



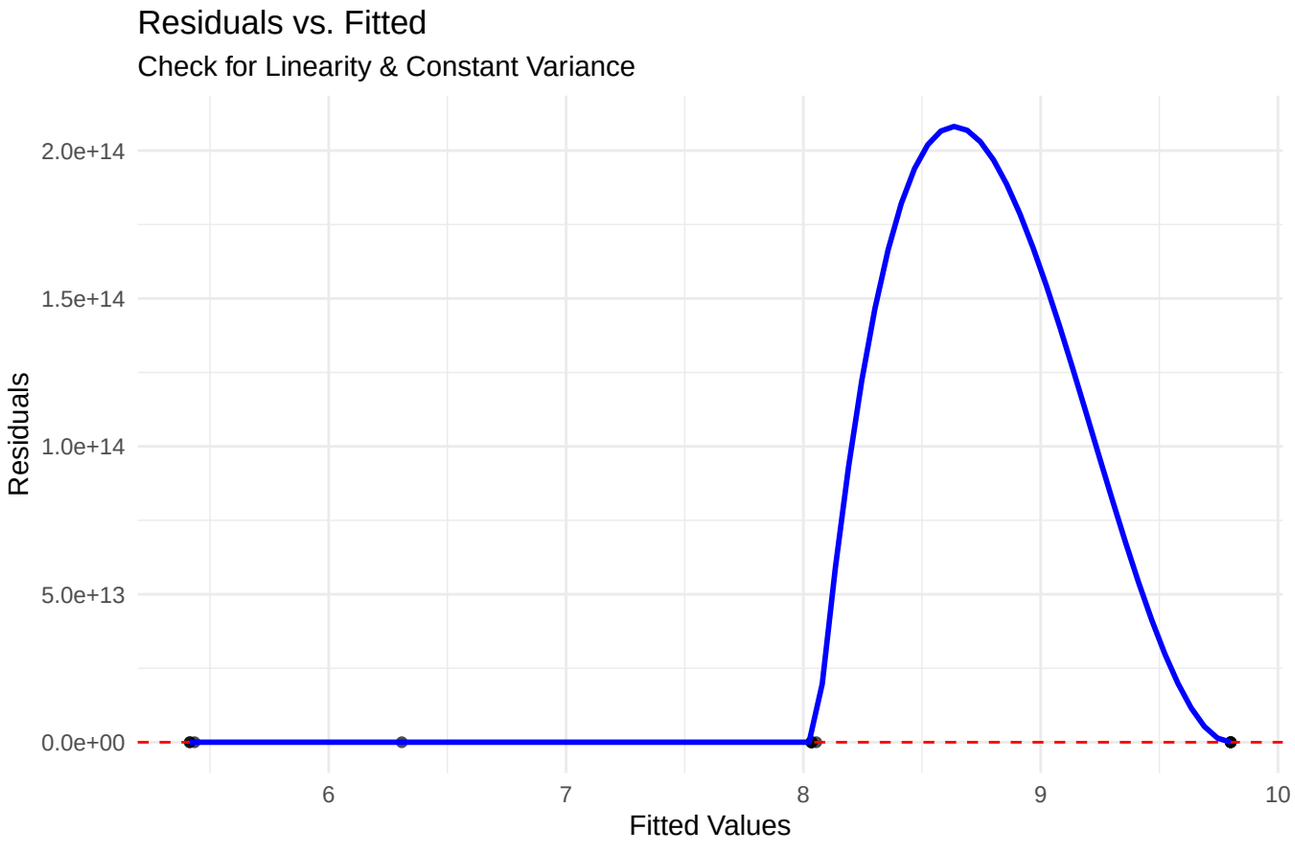
Scale−Location Plot

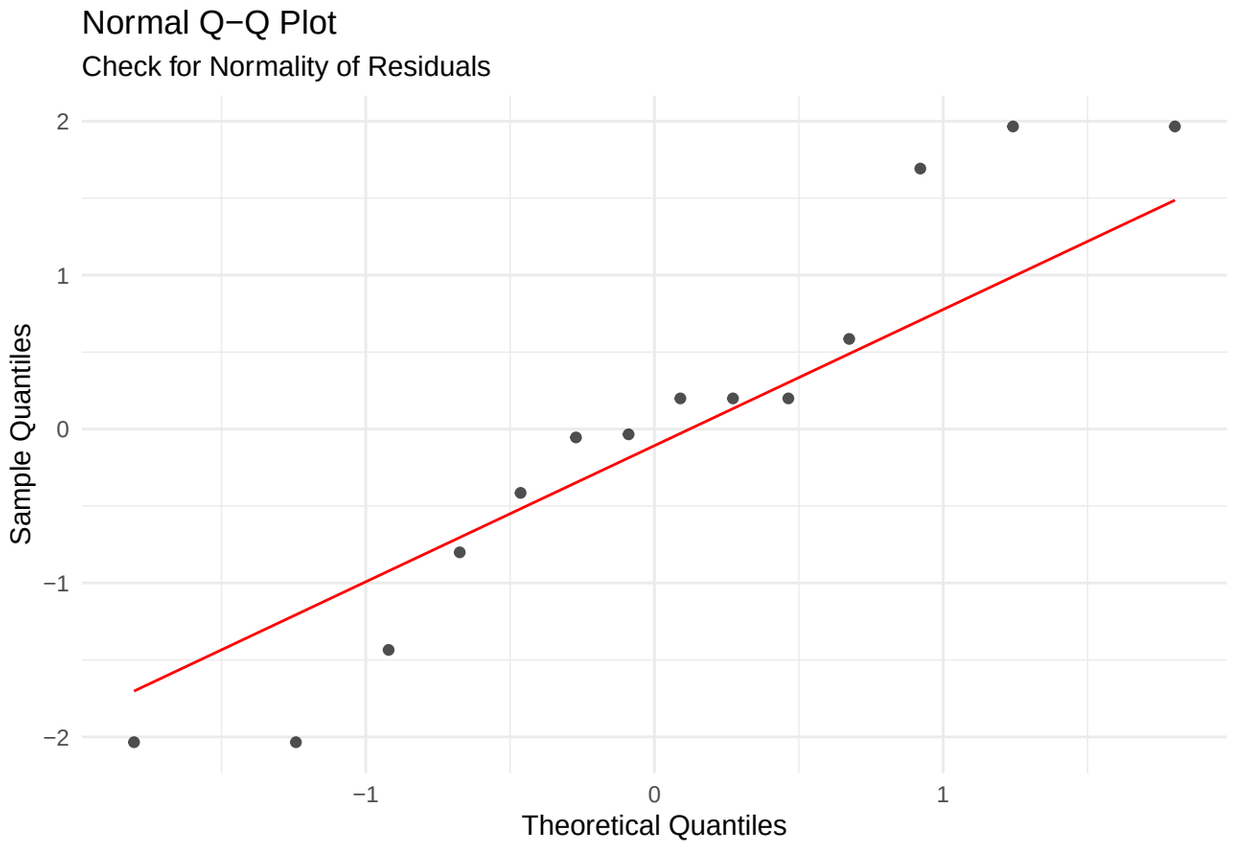
Check for Homoscedasticity (Equal Variance)

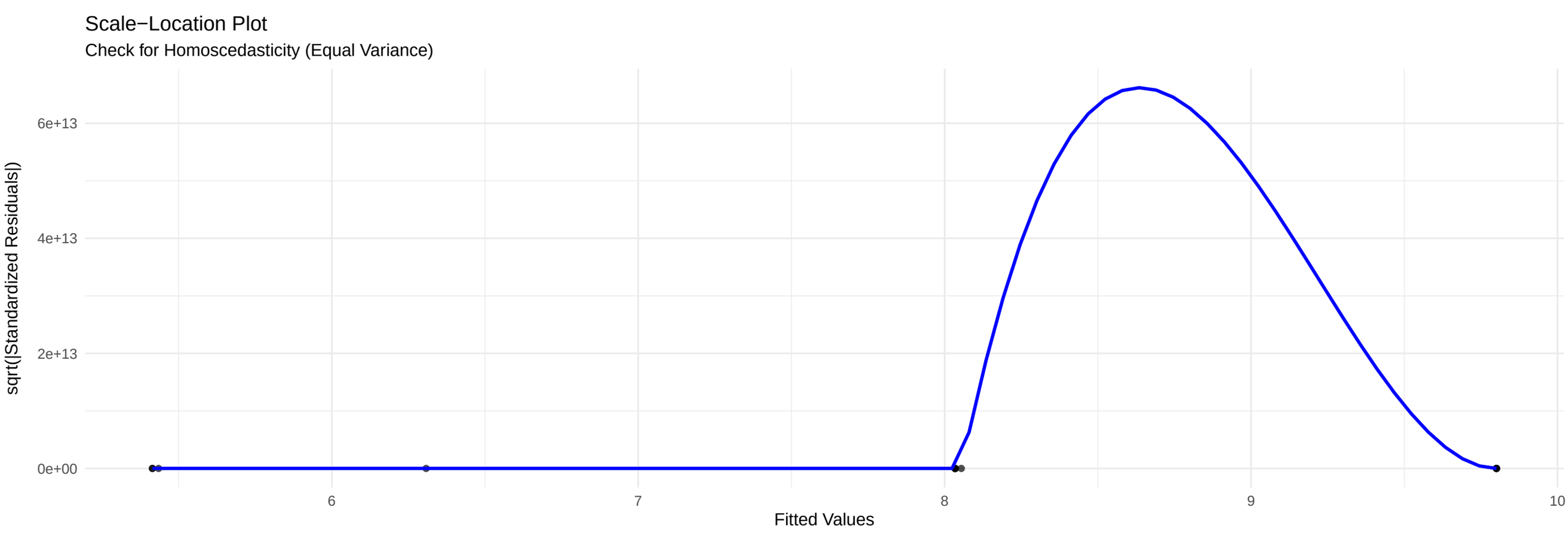


Diagnostics for: VAS Fatigue − Worst

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9097)

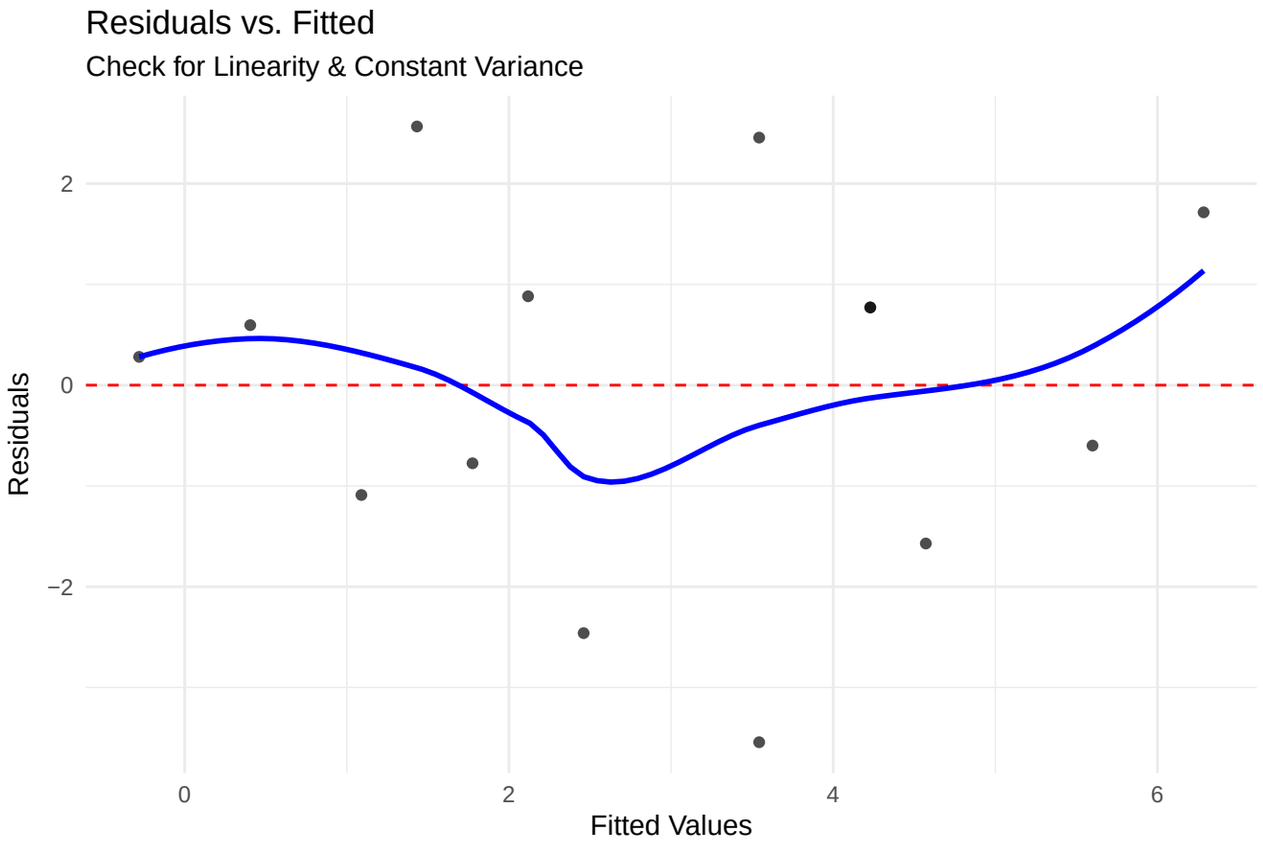


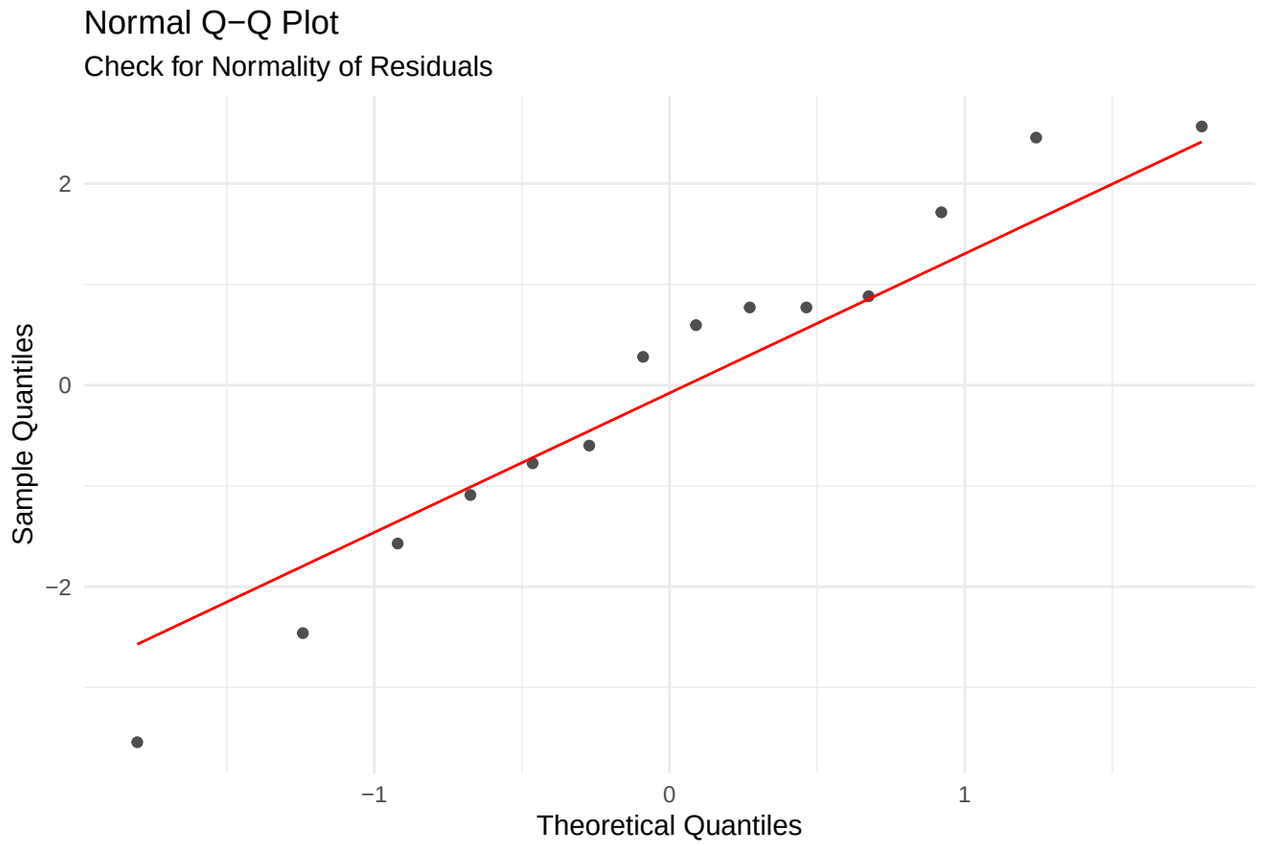


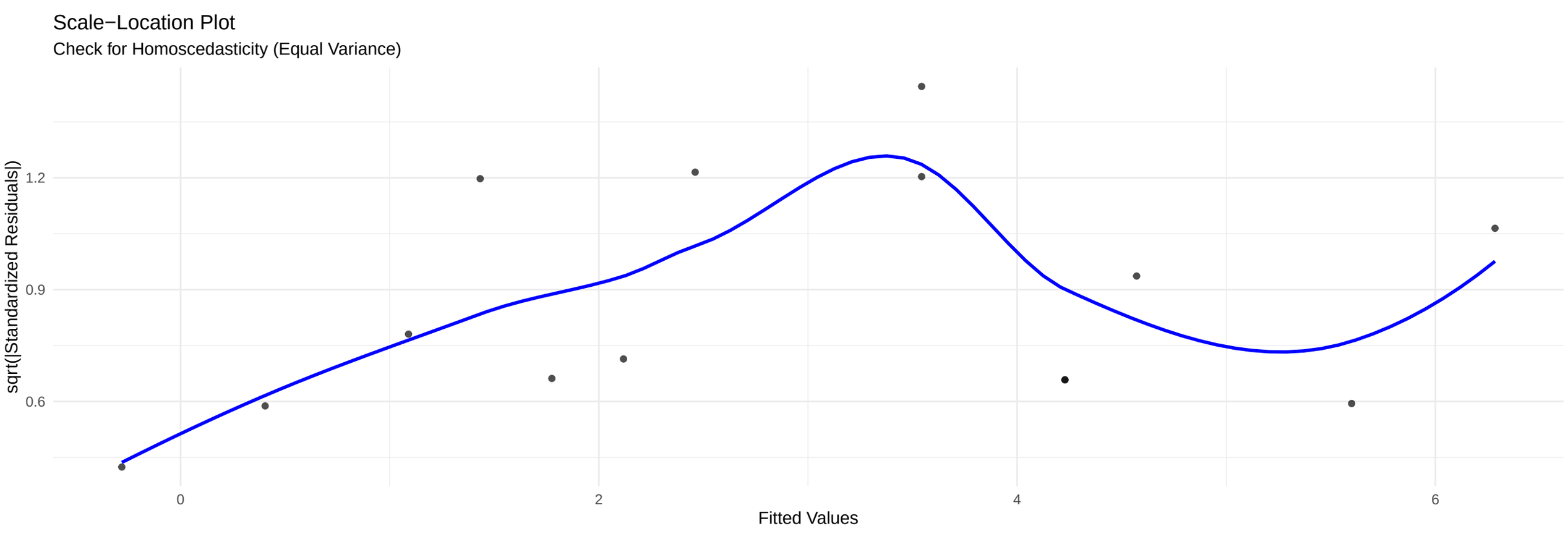


Diagnostics for: VAS Fatigue − Current

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.409)





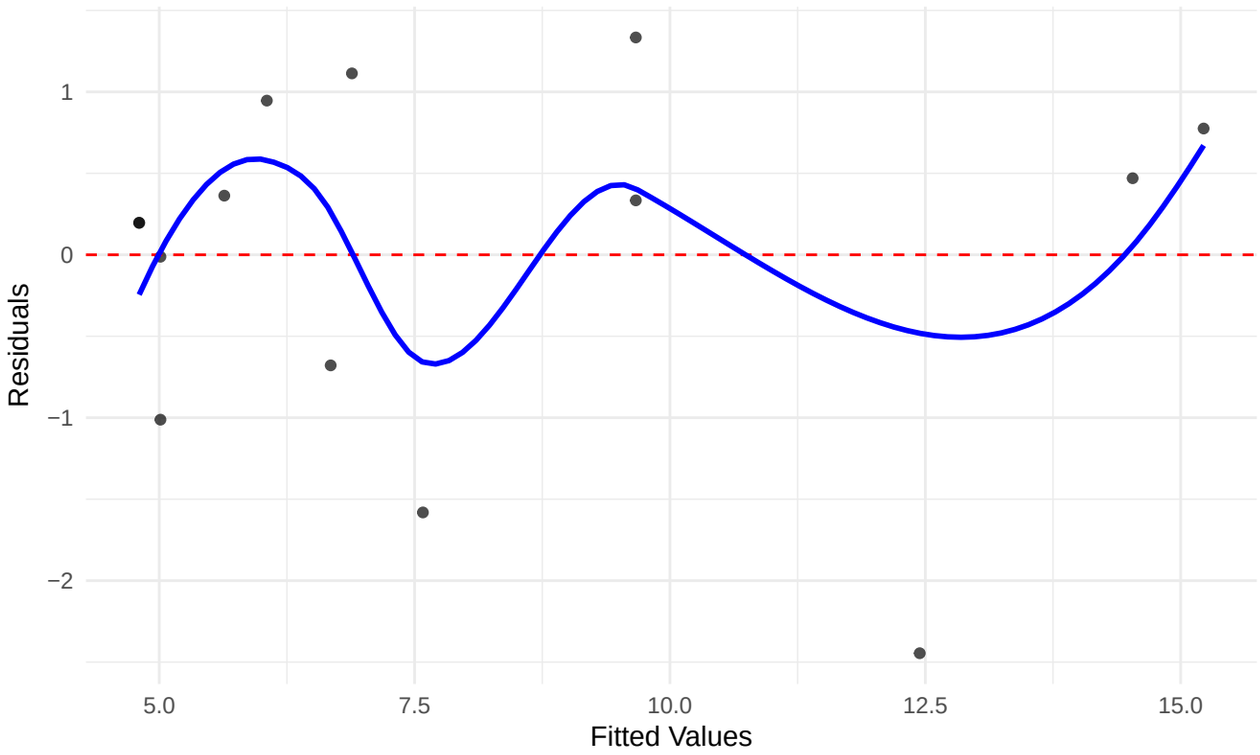


Diagnostics for: PSQI Total

Model WITH Interaction (Interaction p = 0.0218)

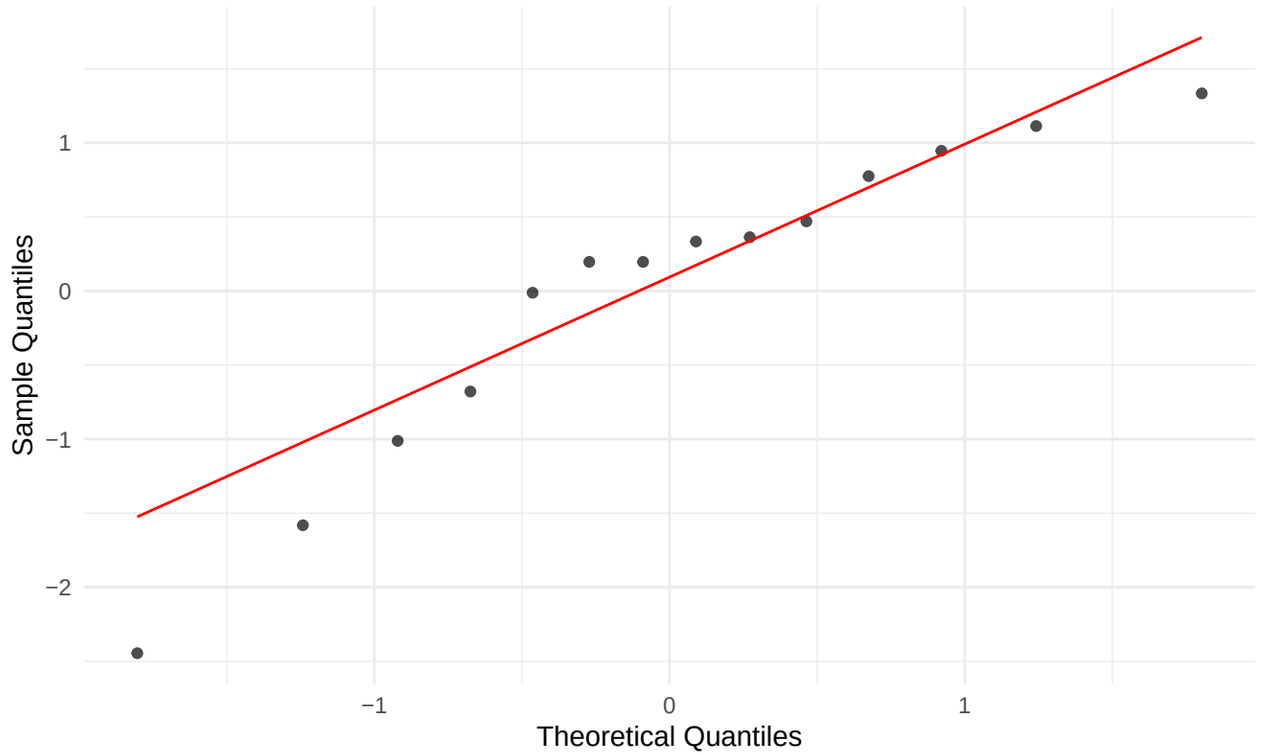
Residuals vs. Fitted

Check for Linearity & Constant Variance



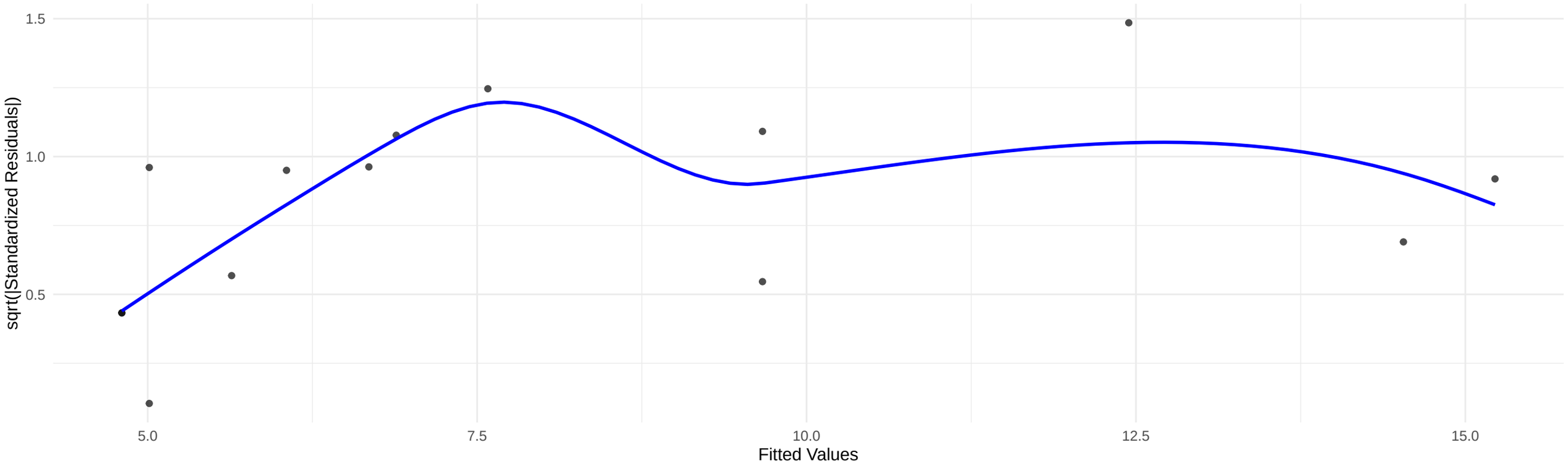
Normal Q−Q Plot

Check for Normality of Residuals



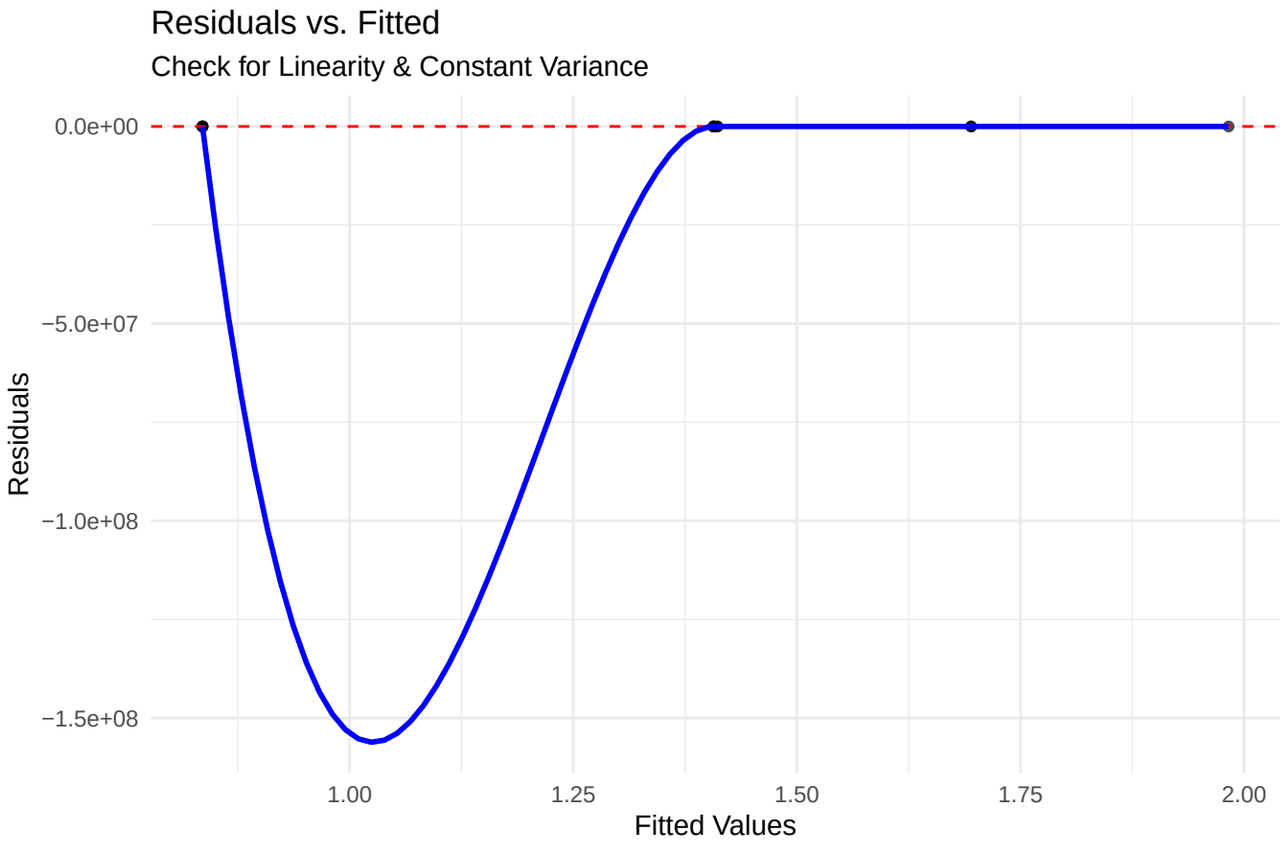
Scale−Location Plot

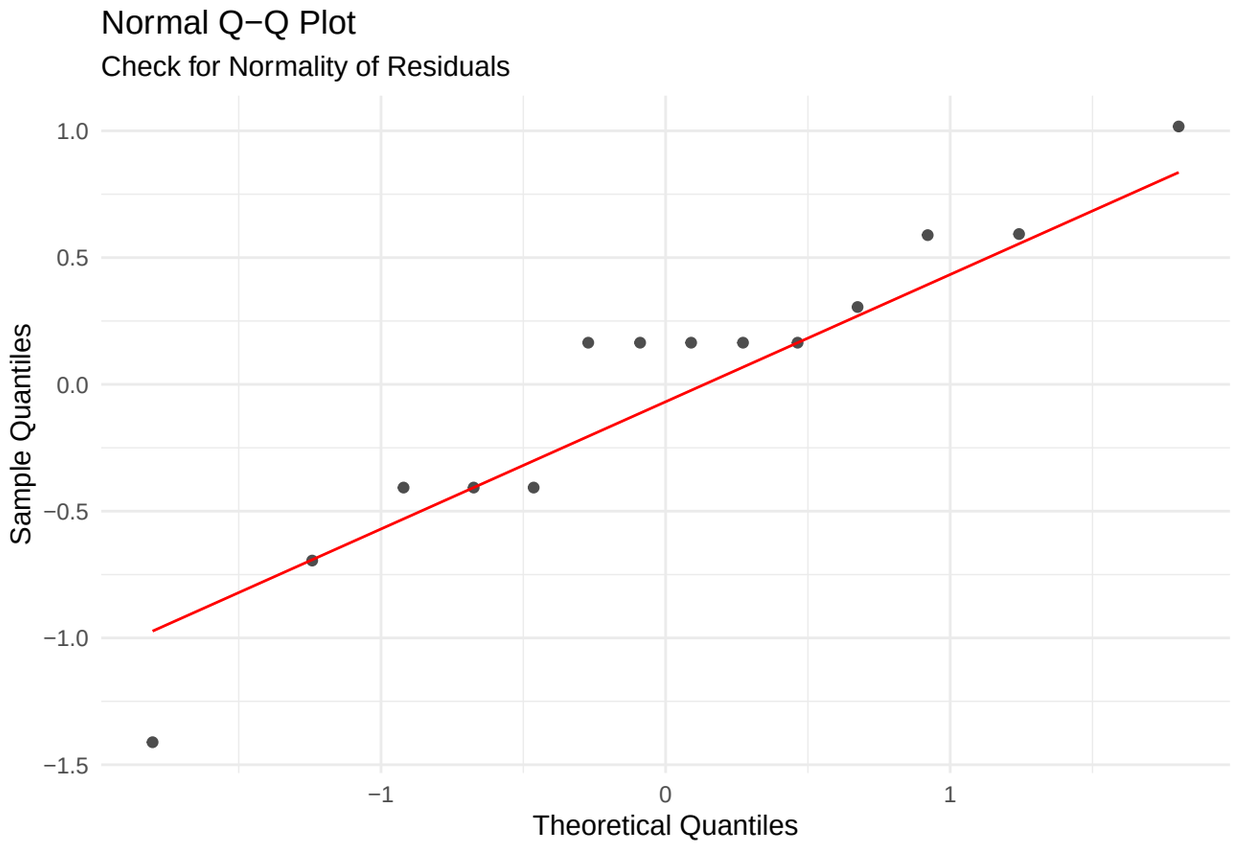
Check for Homoscedasticity (Equal Variance)

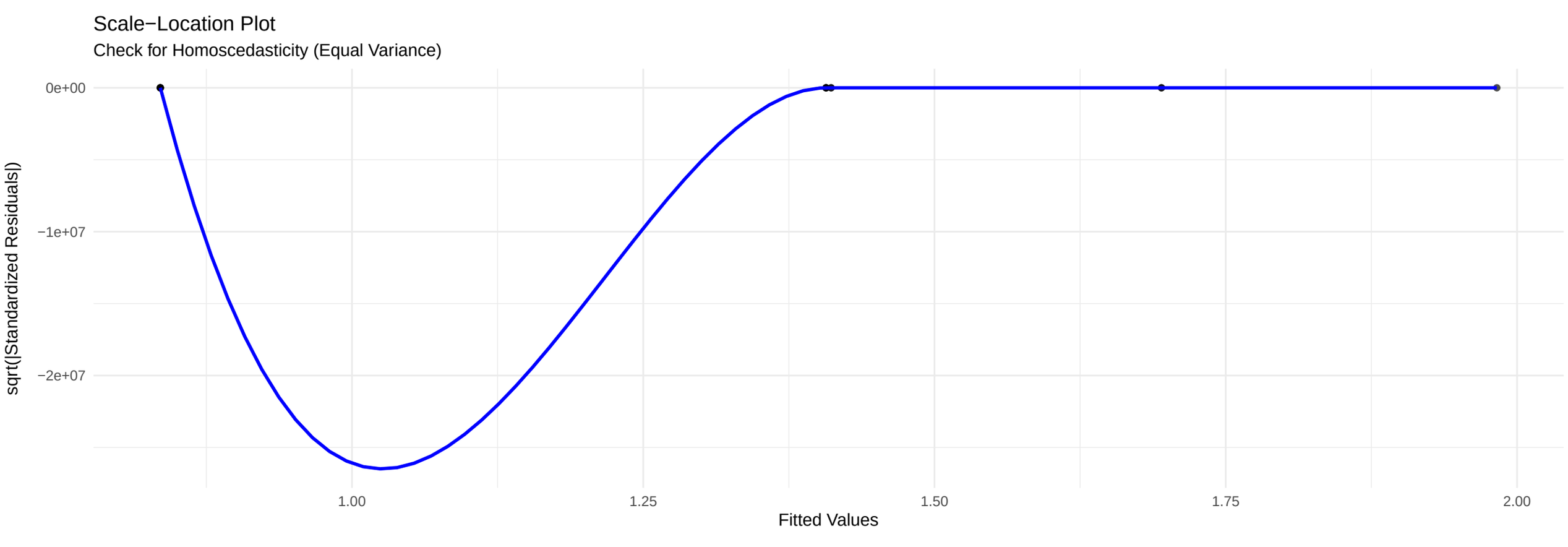


Diagnostics for: PSQI Sleep Quality

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.1029)

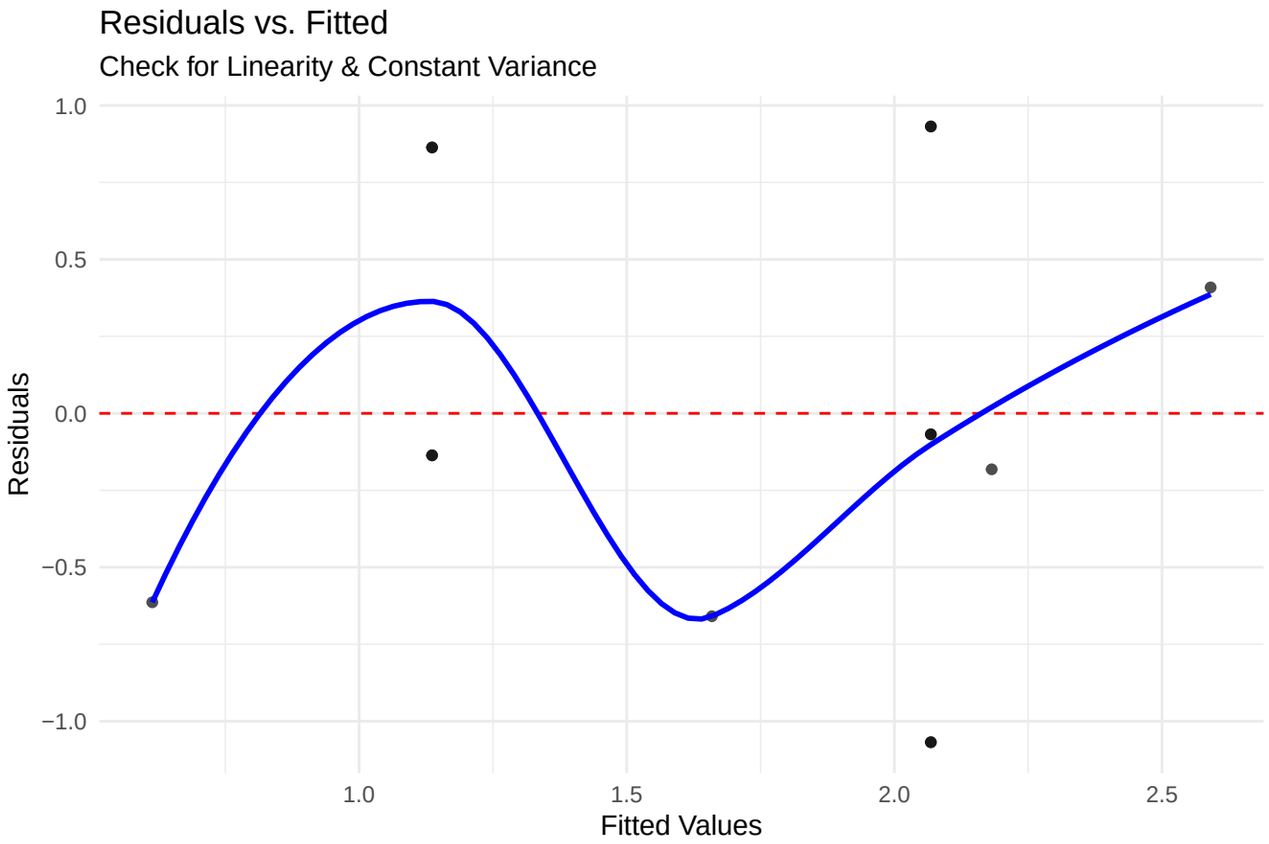


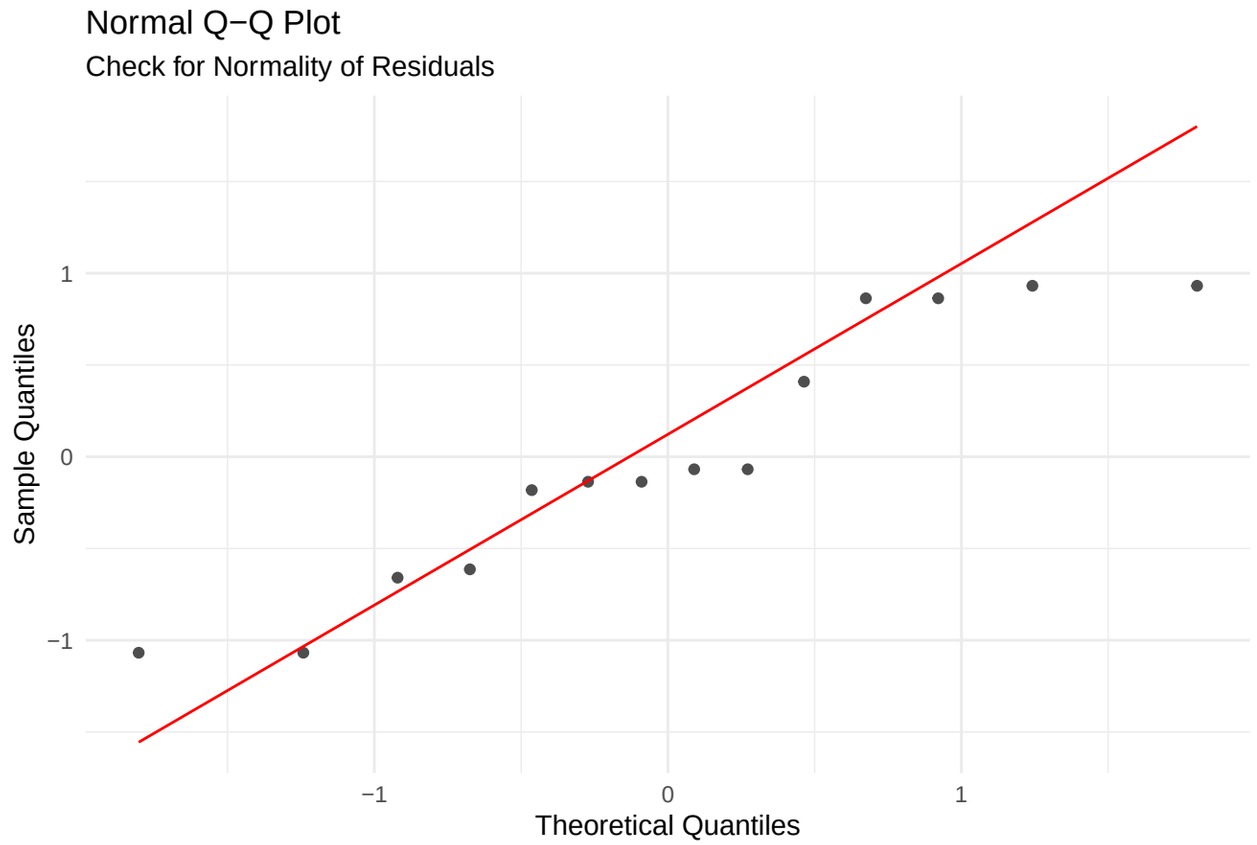


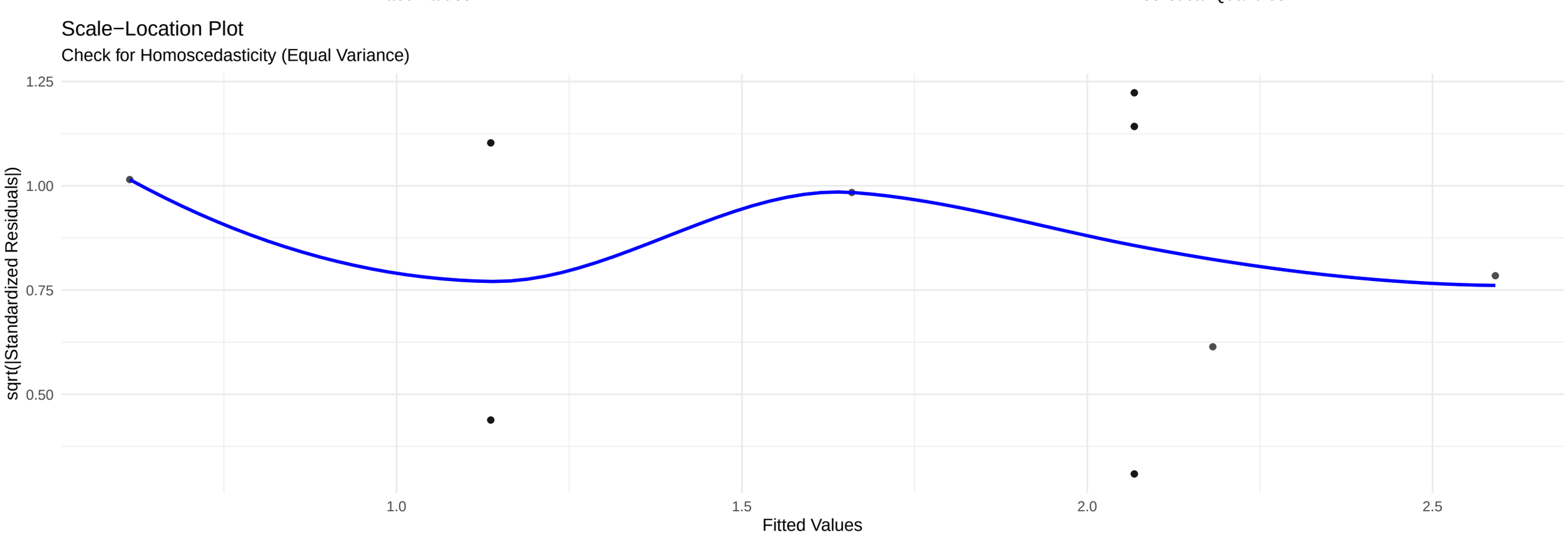


Diagnostics for: PSQI Sleep Latency

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.5637)

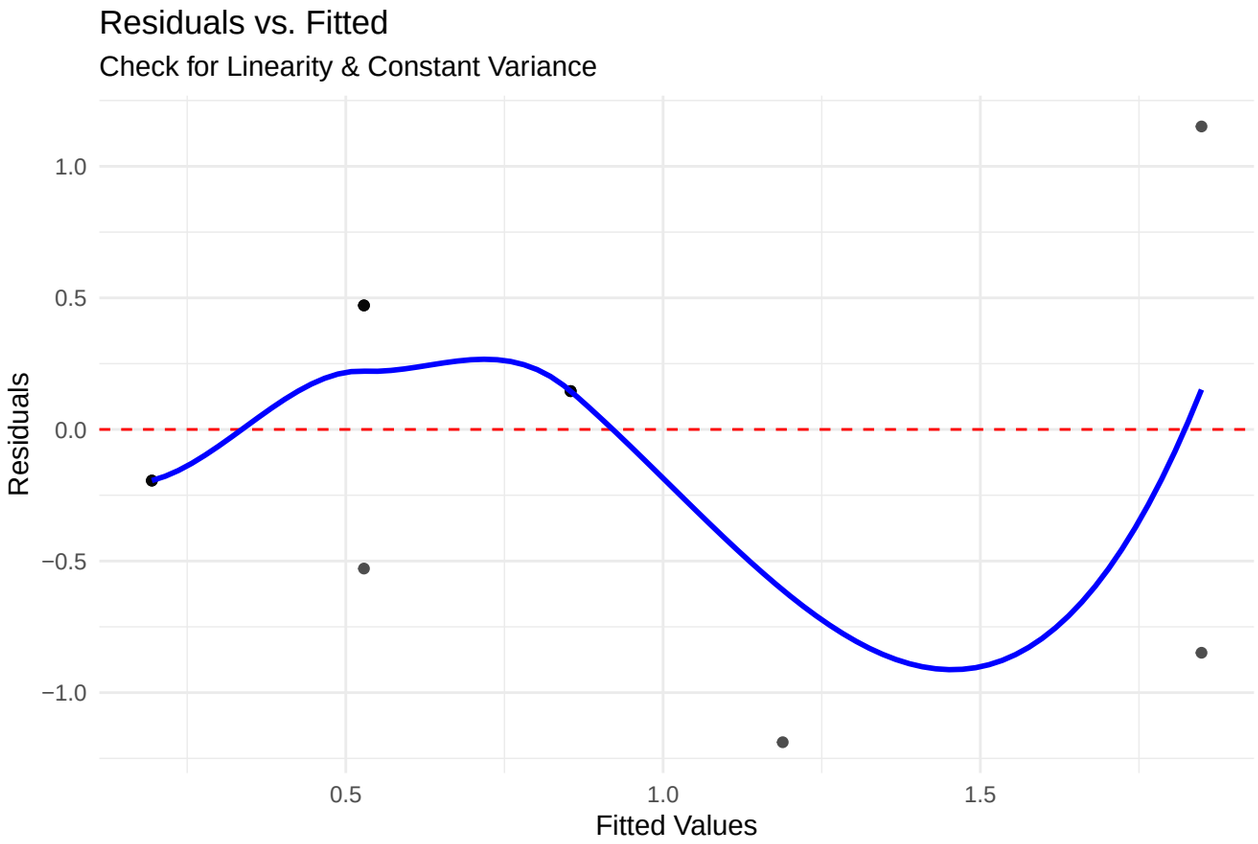


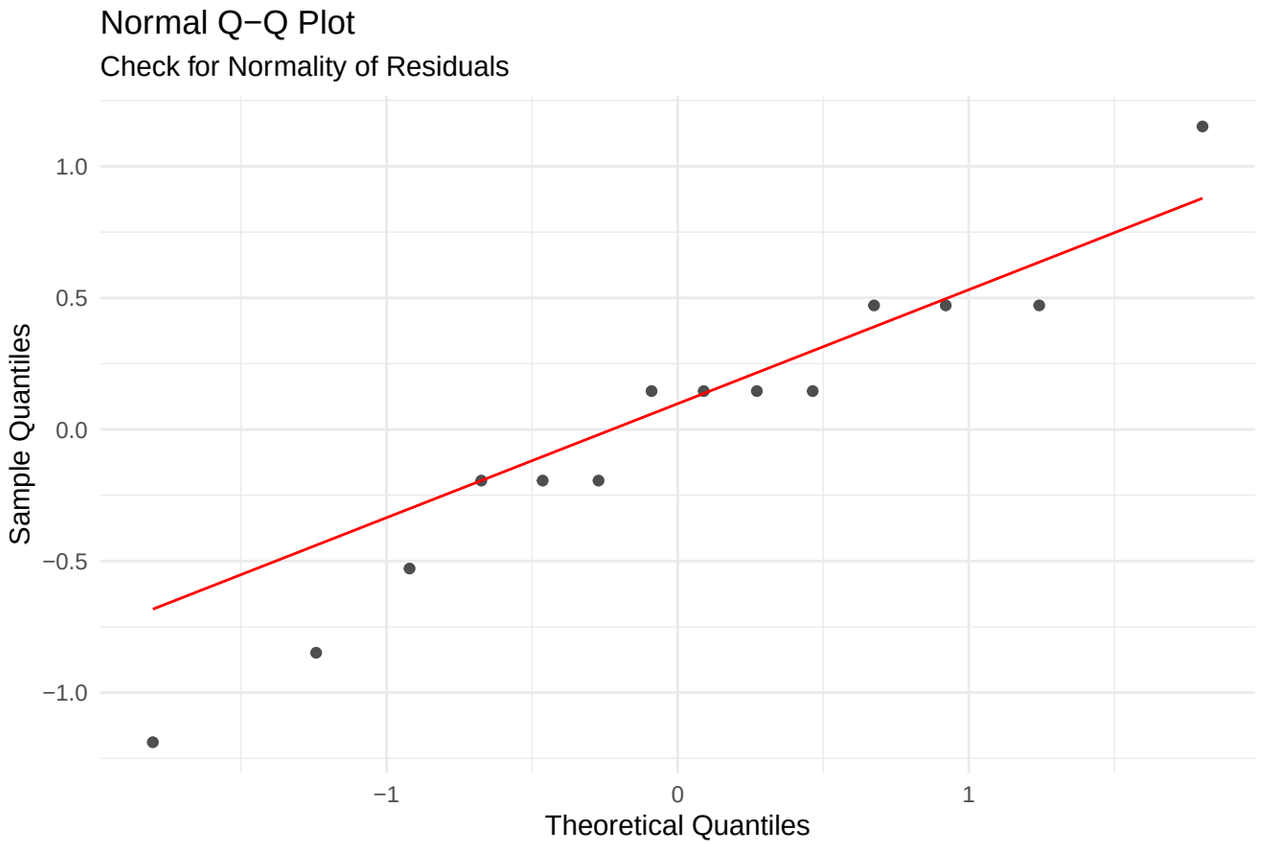


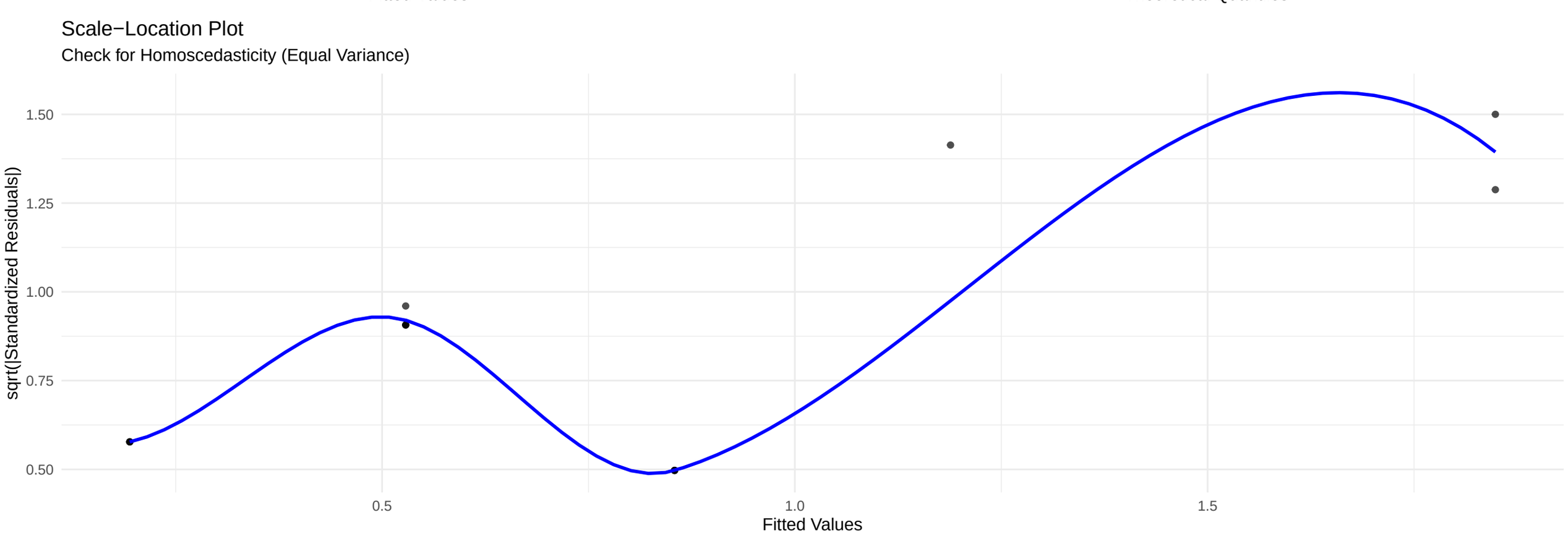


Diagnostics for: PSQI Sleep Duration

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.4563)

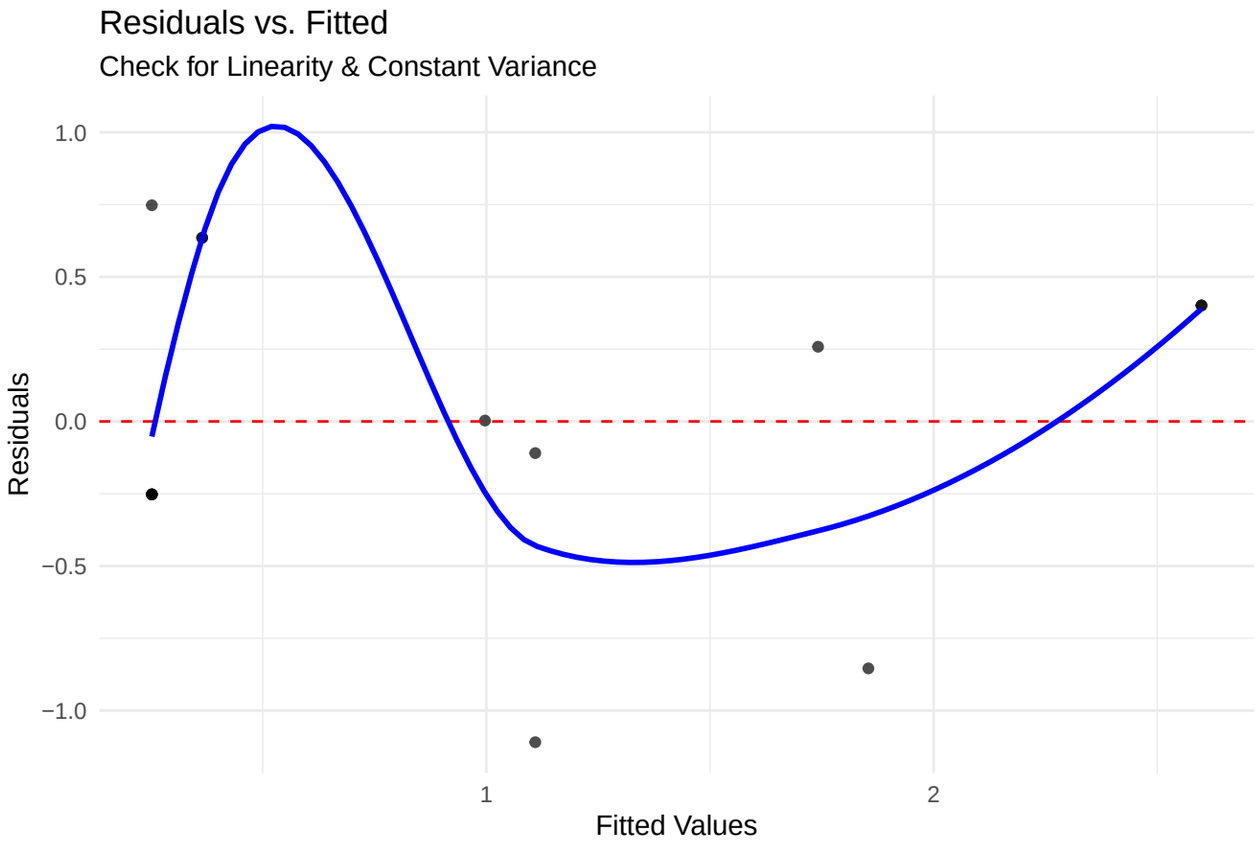


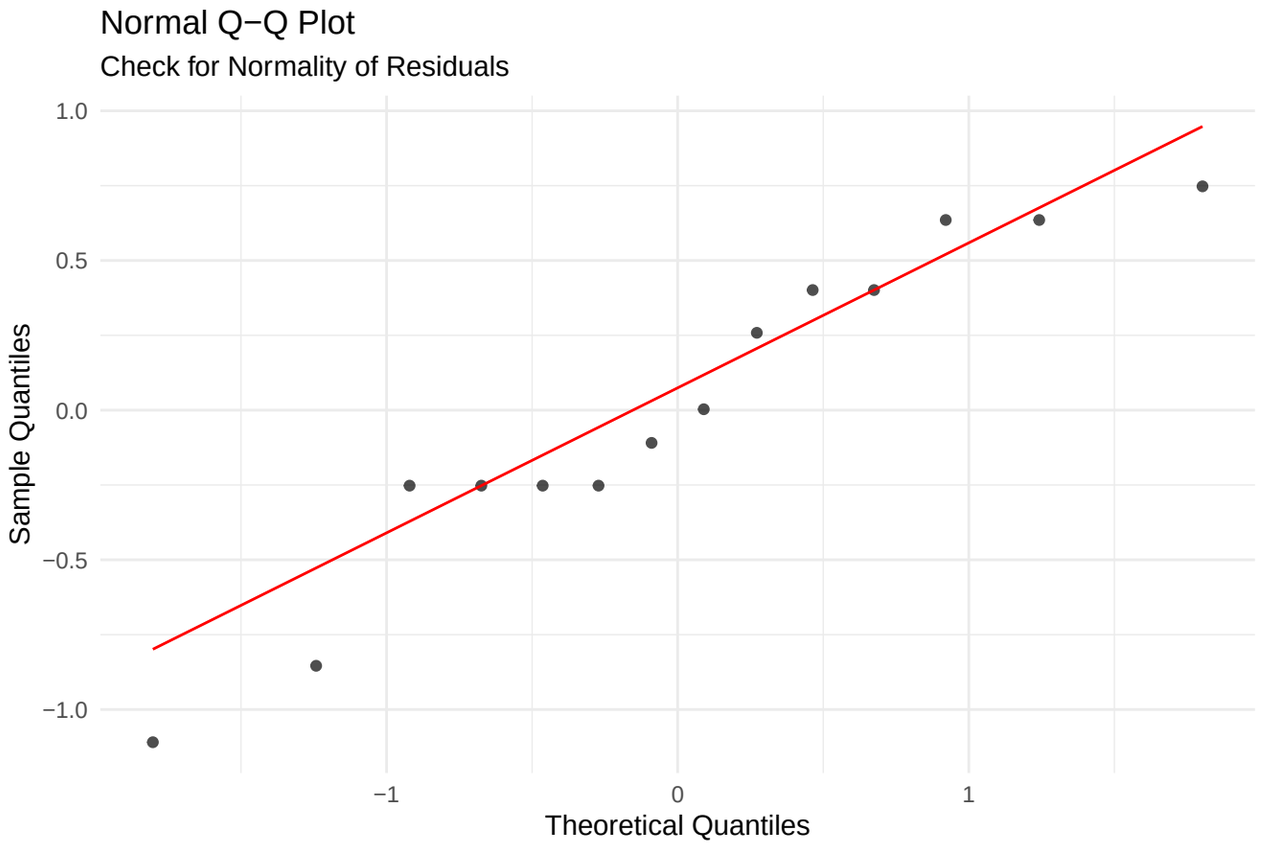


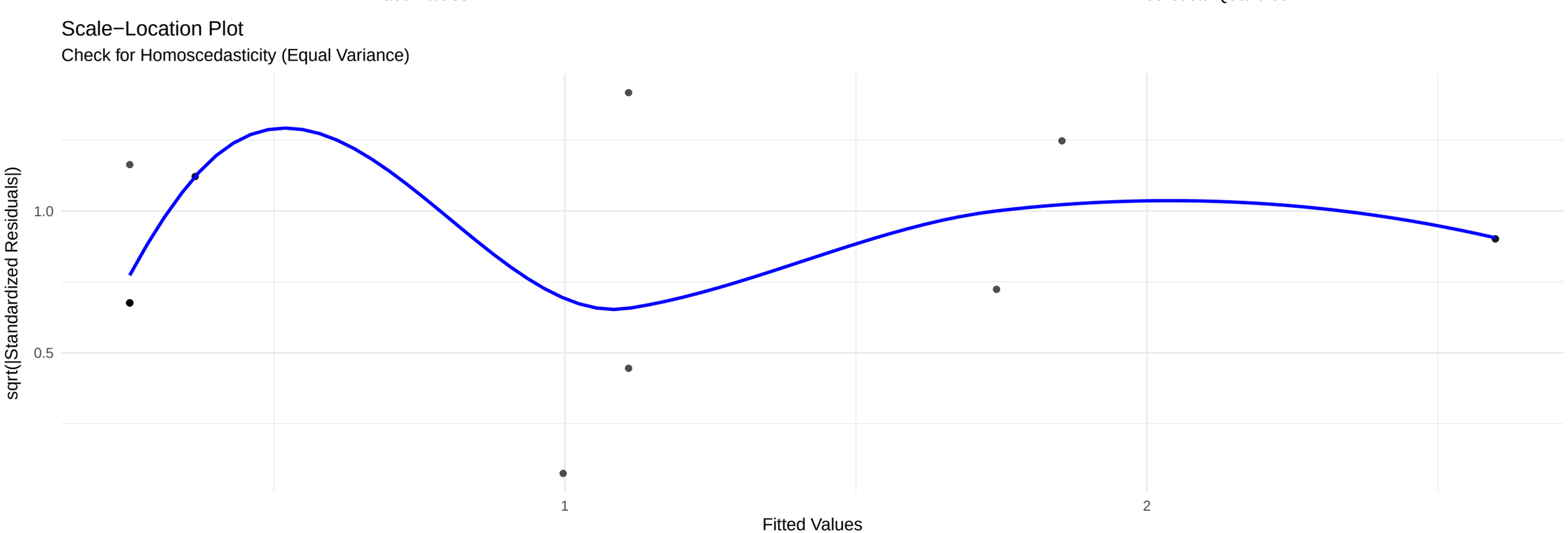


Diagnostics for: PSQI Sleep Efficiency

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.6218)

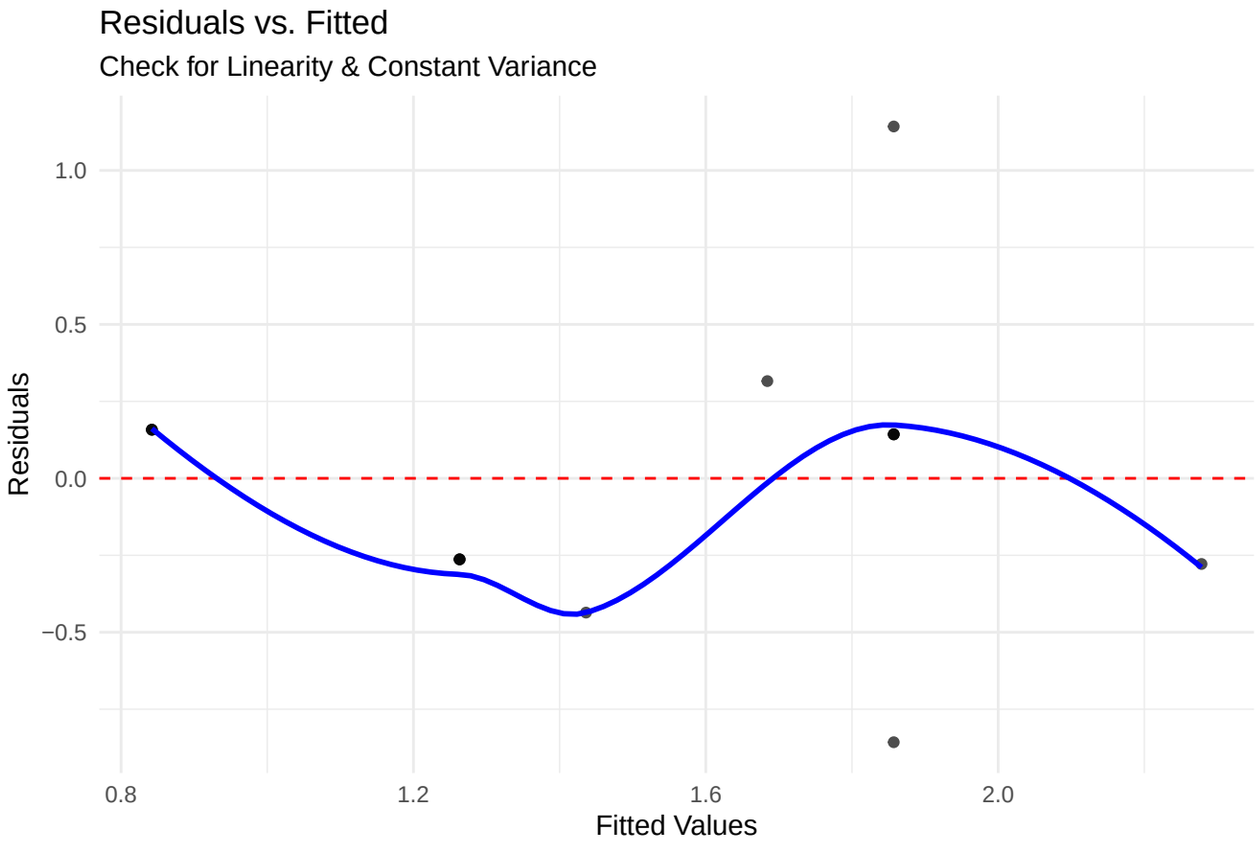


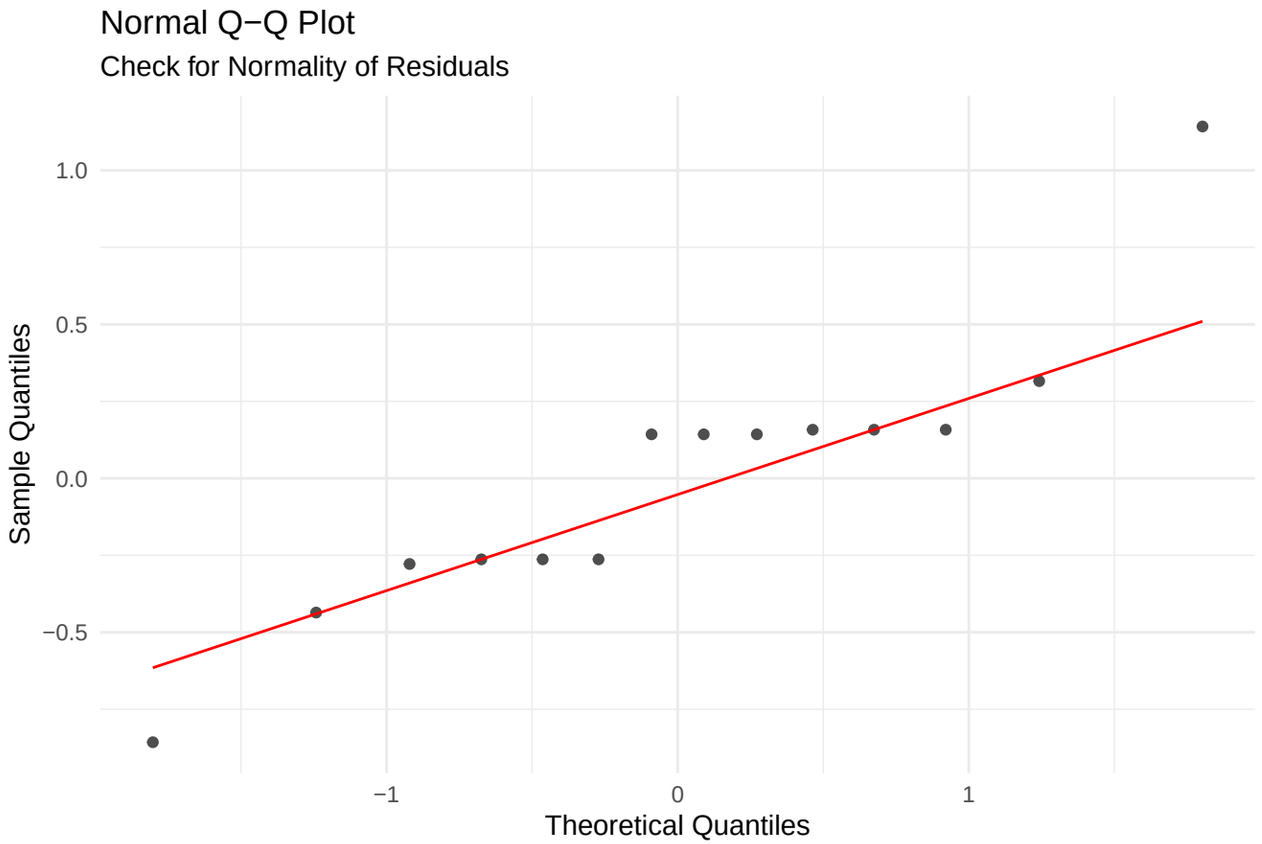


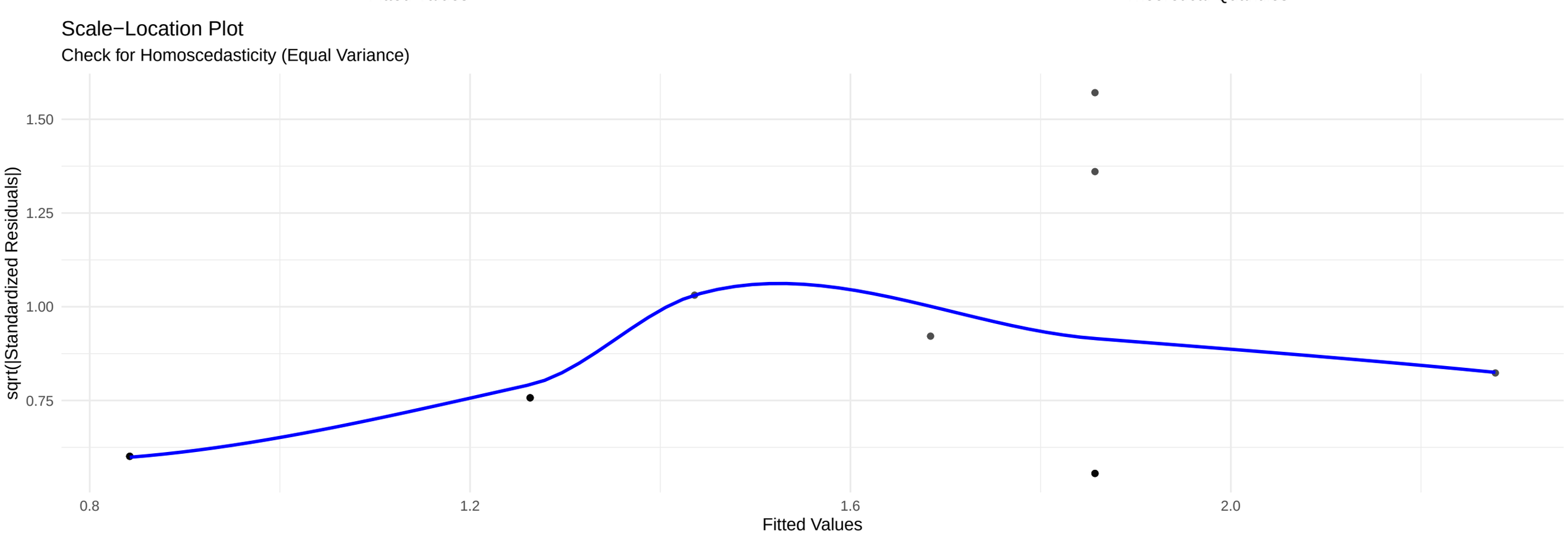


Diagnostics for: PSQI Sleep Disturbances

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7936)

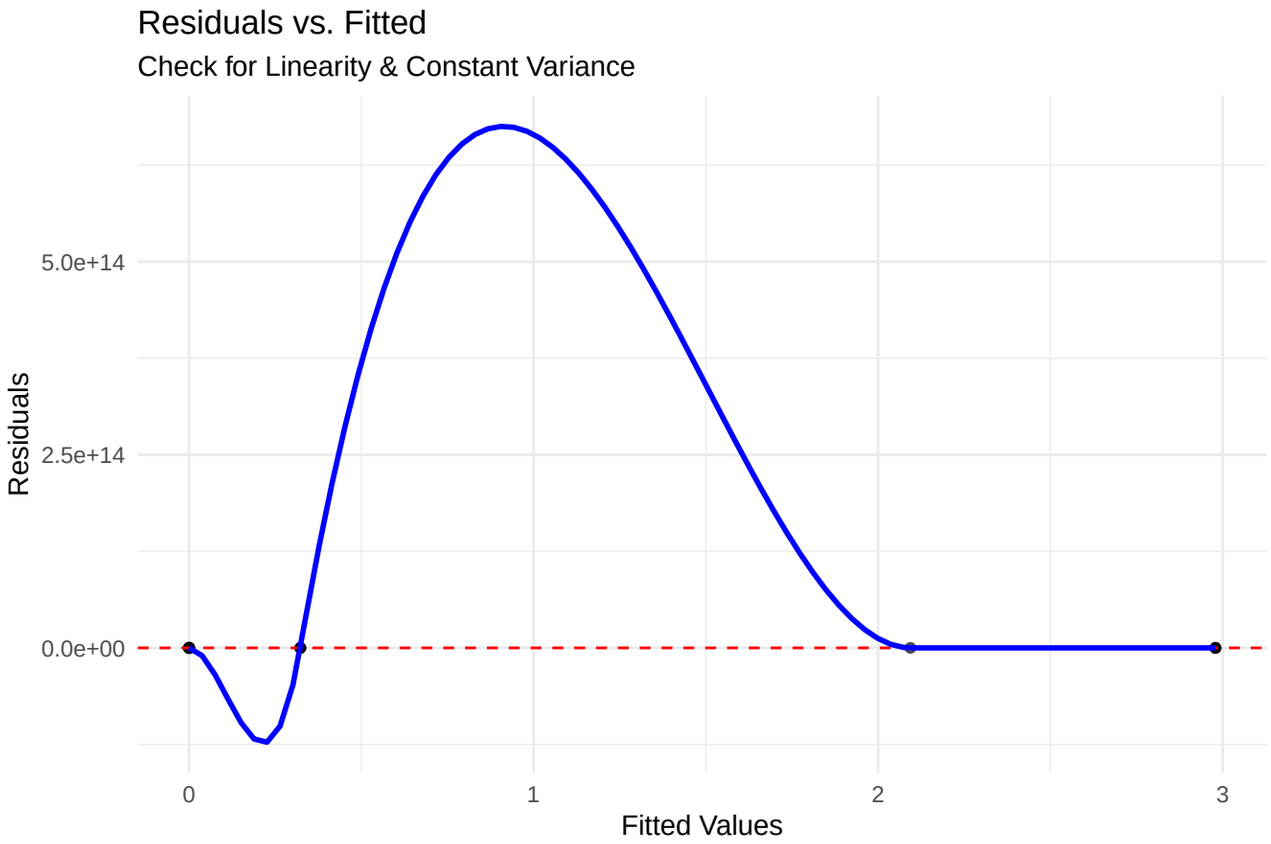


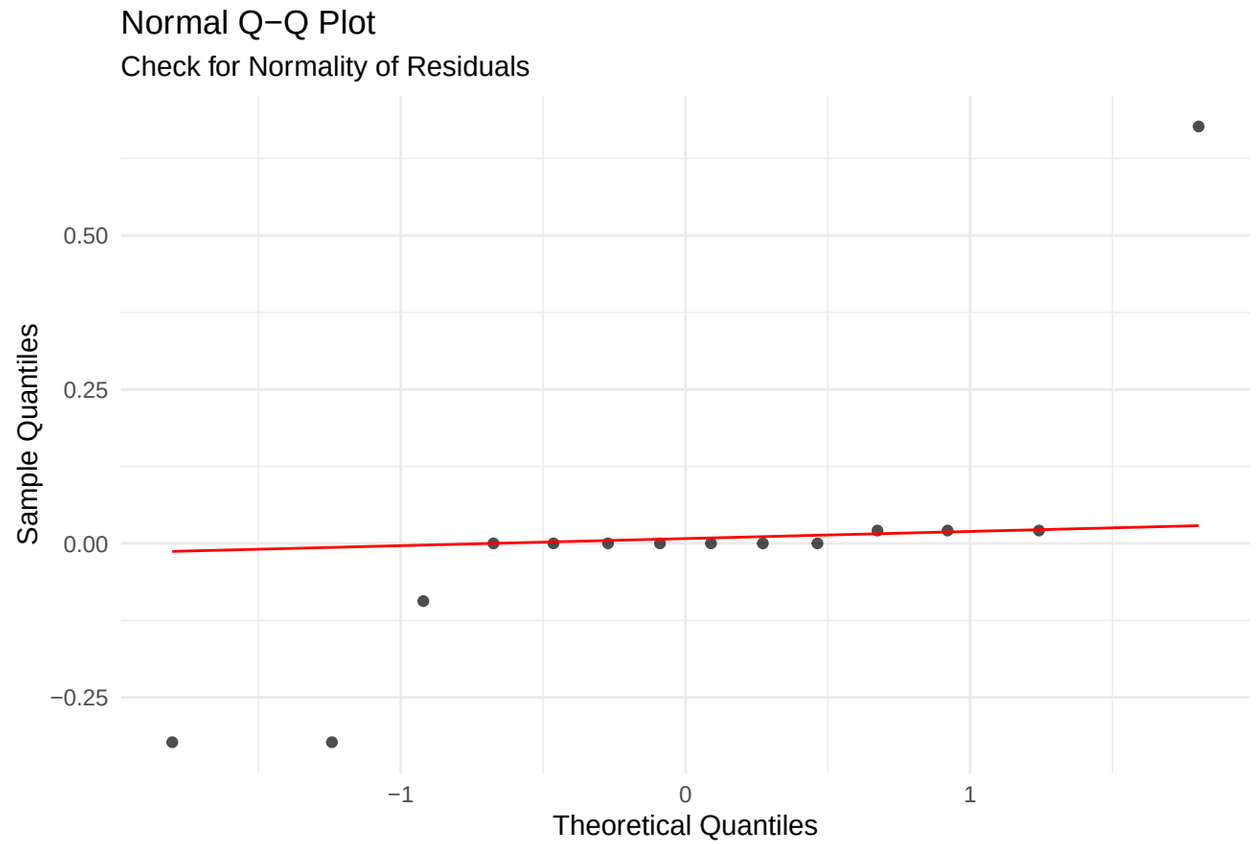


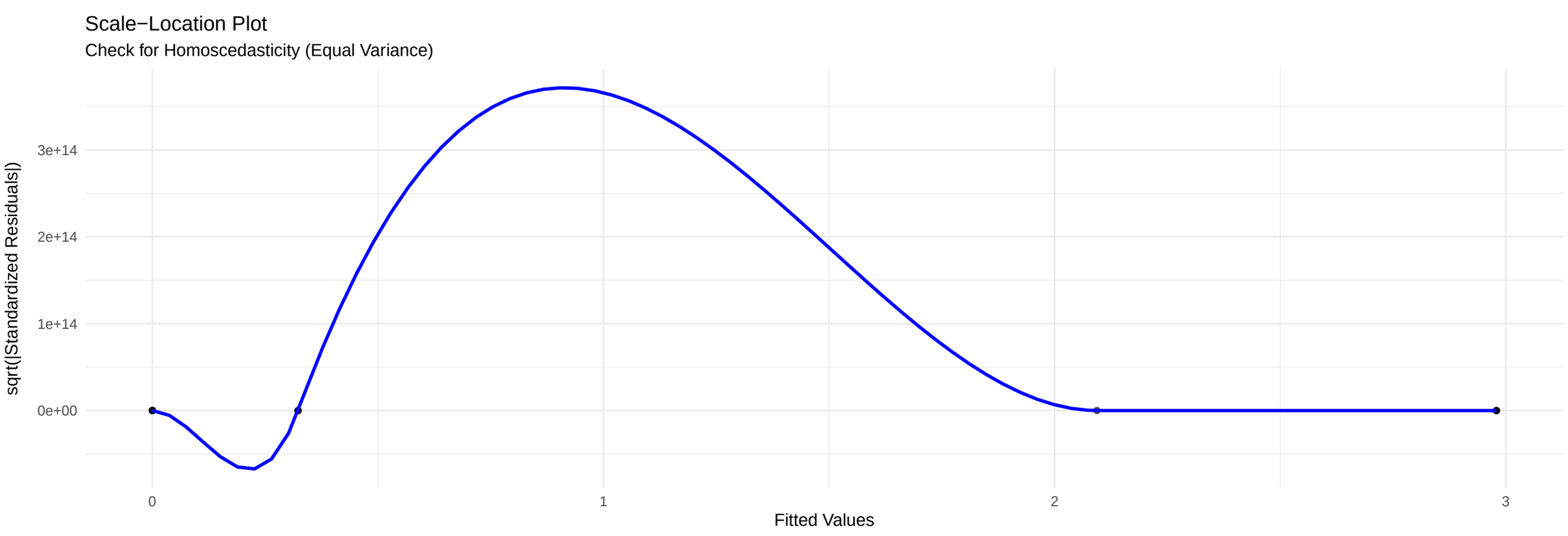


Diagnostics for: PSQI Sleep Medication

Model WITH Interaction (Interaction p = 2e−04)

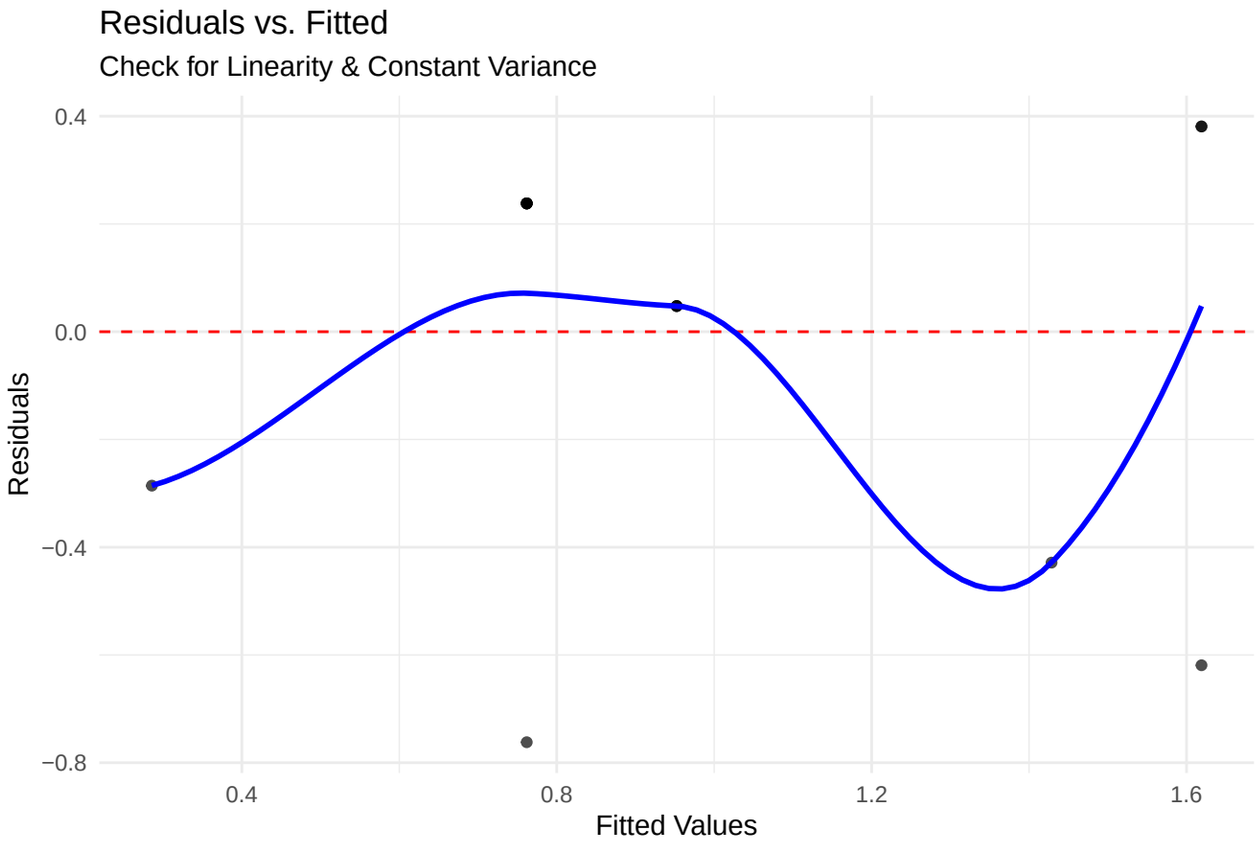


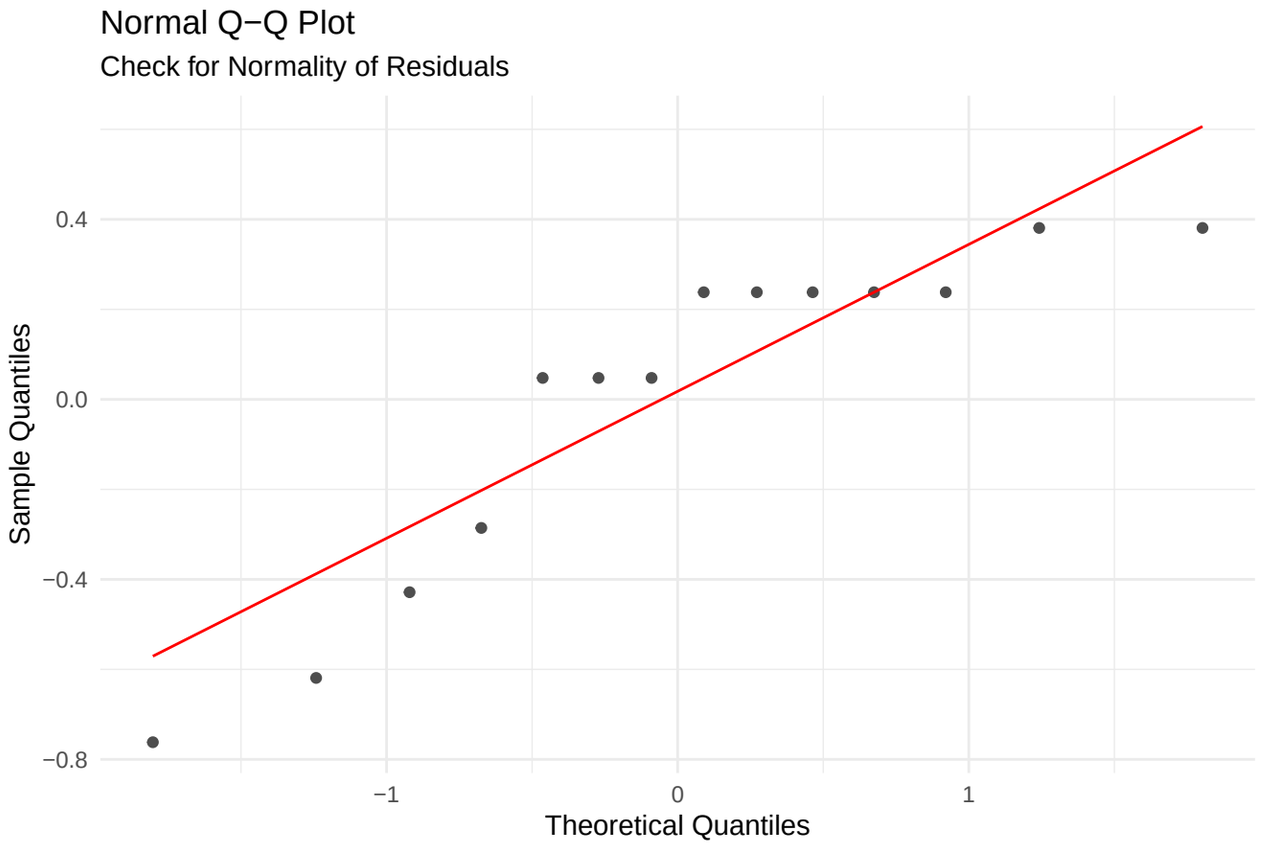


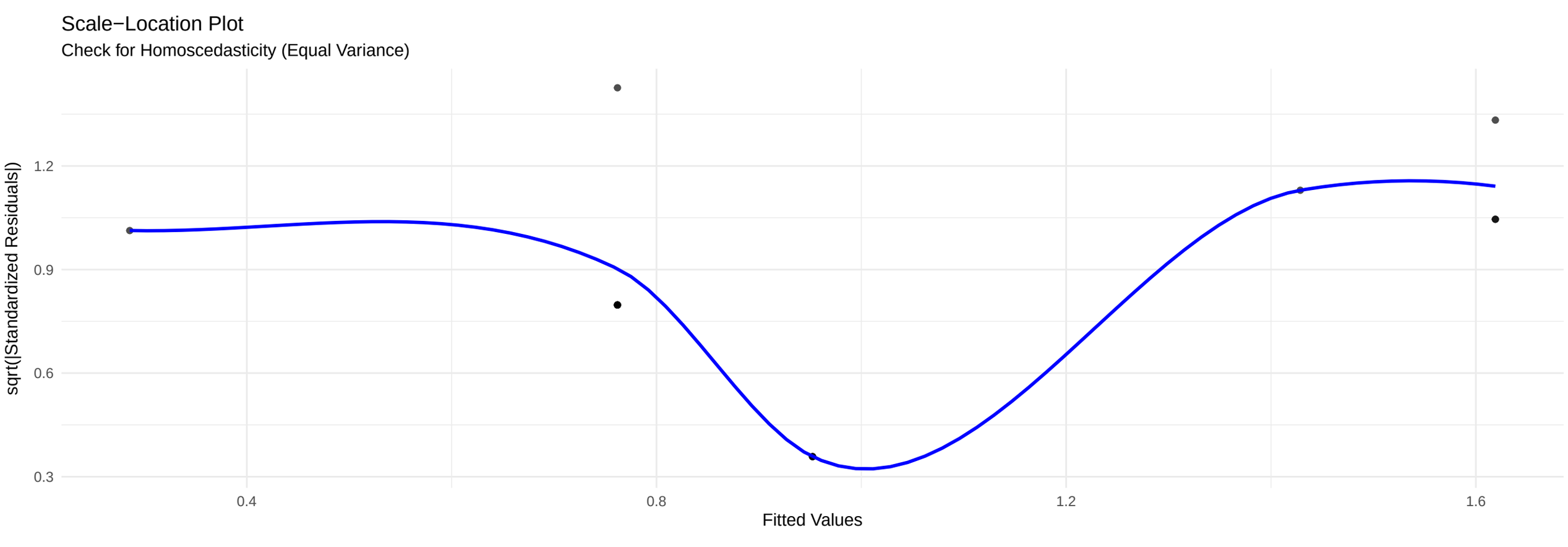


Diagnostics for: PSQI Daytime Dysfunction

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.2169)

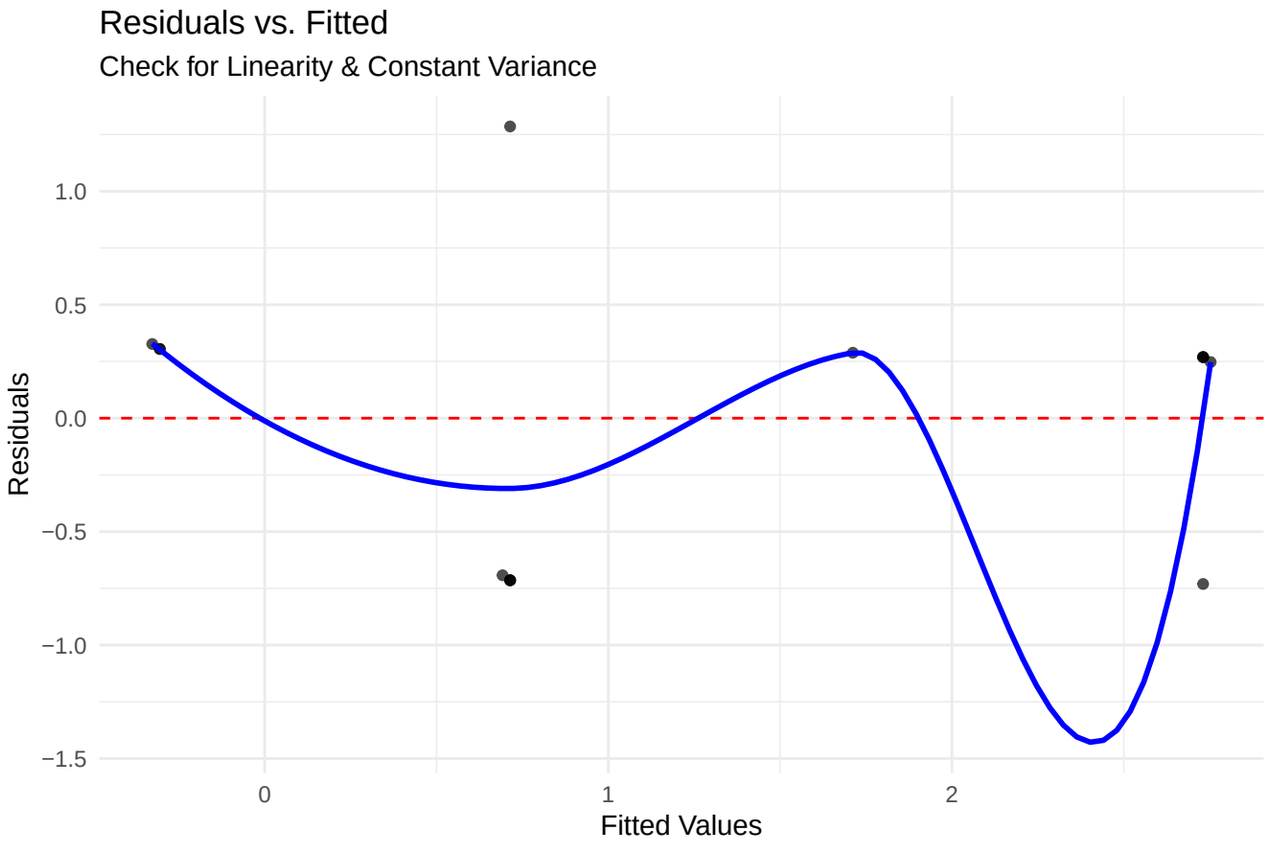


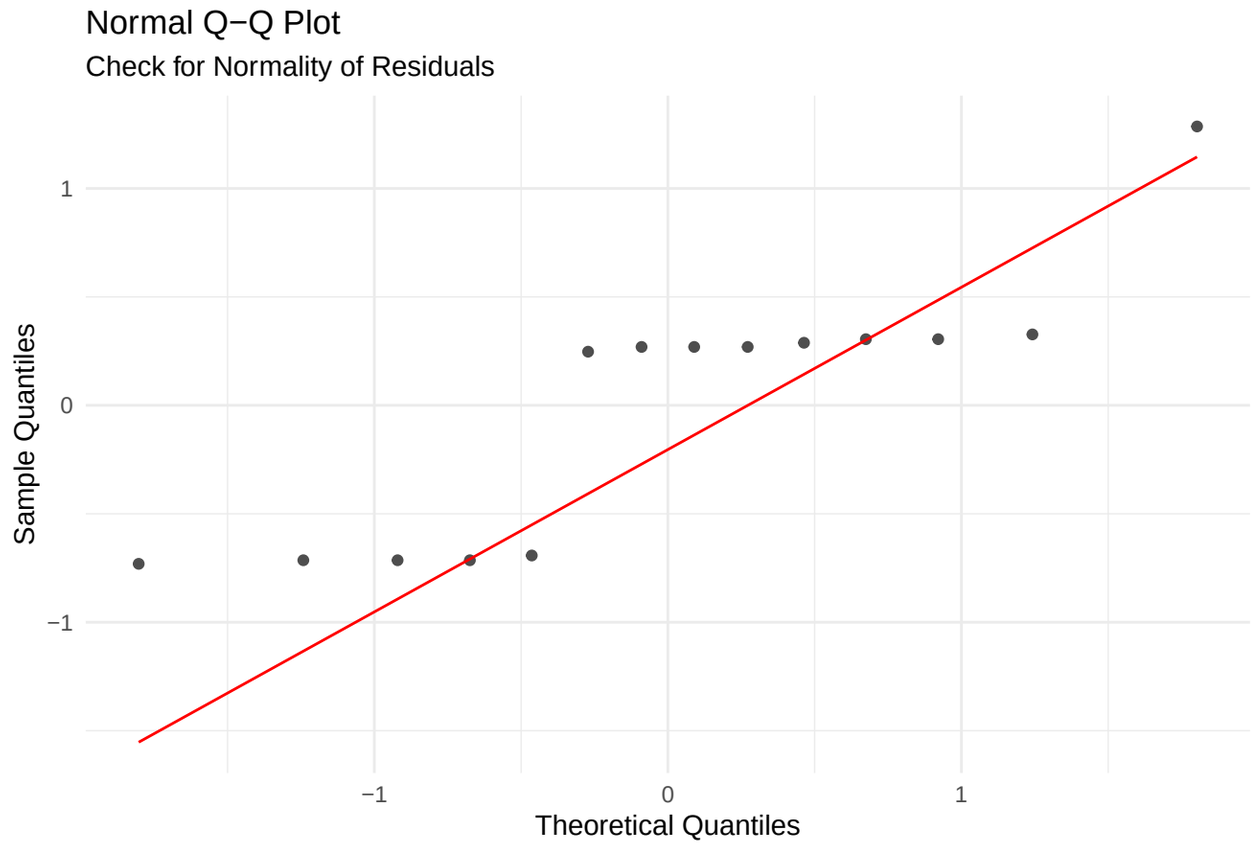


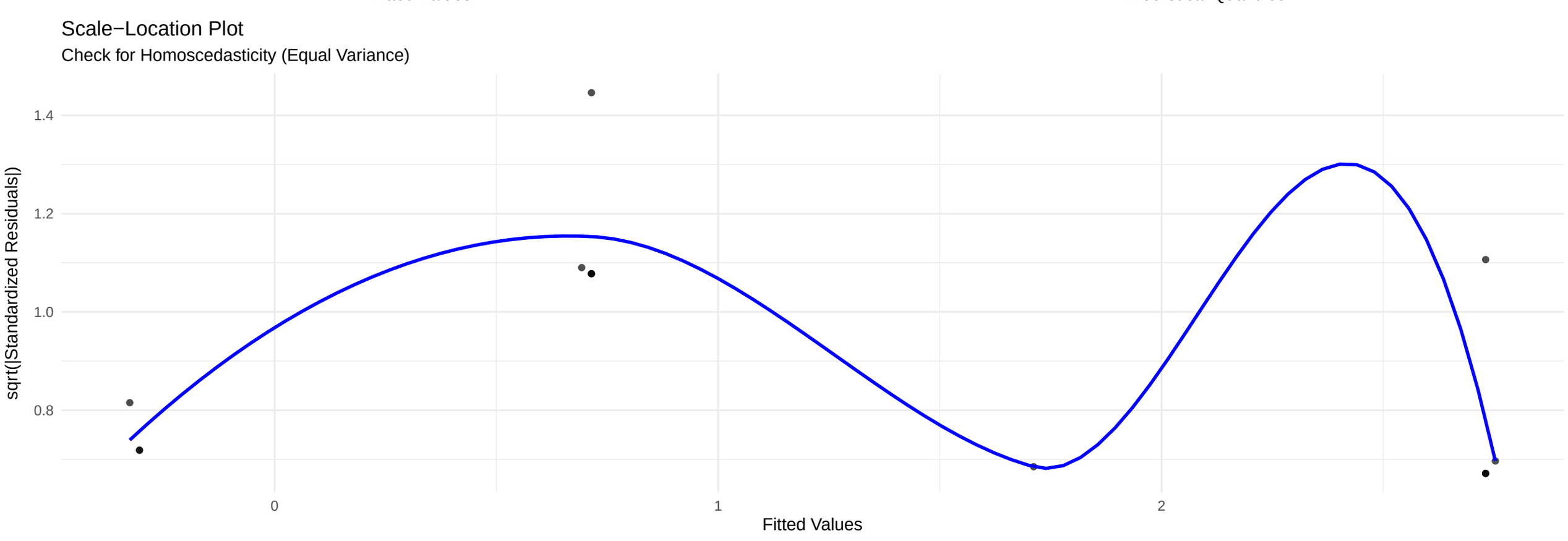


Diagnostics for: MMRC

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9319)

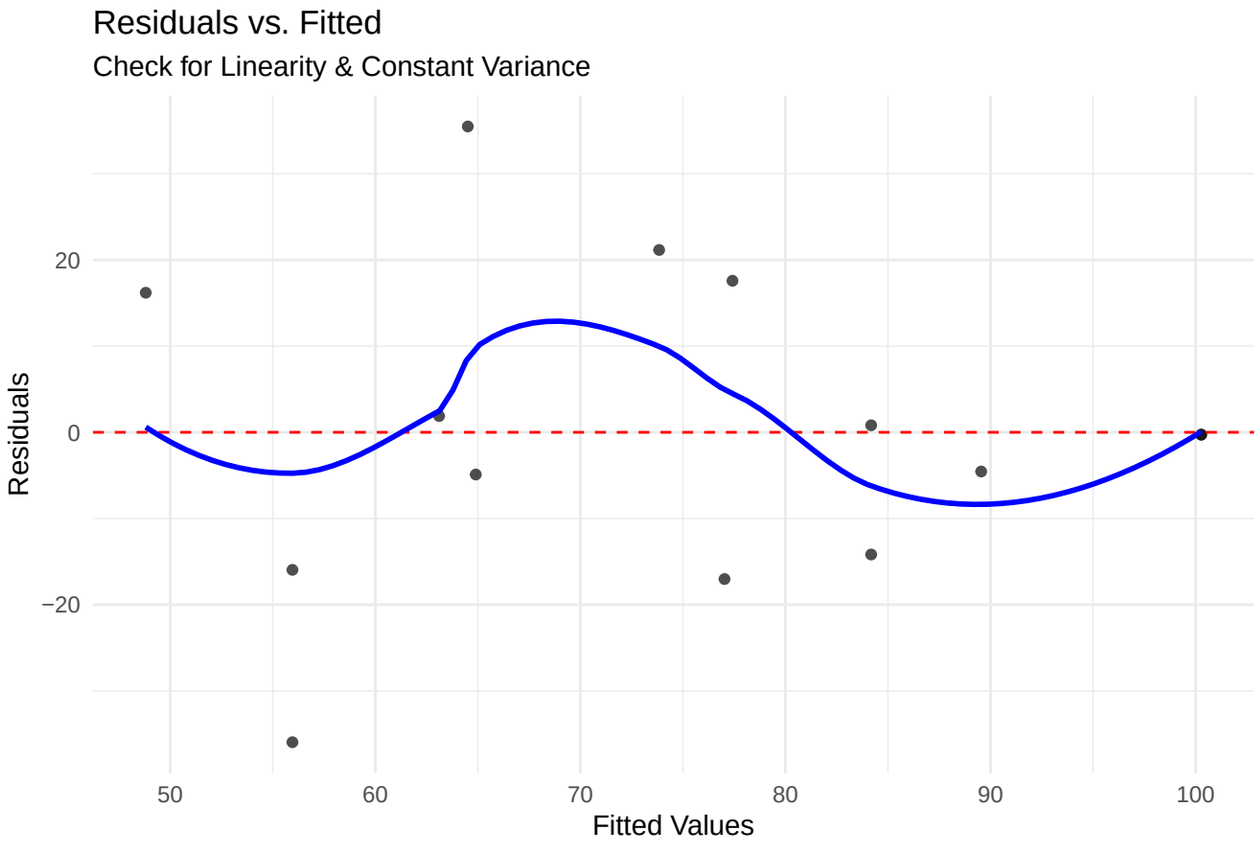


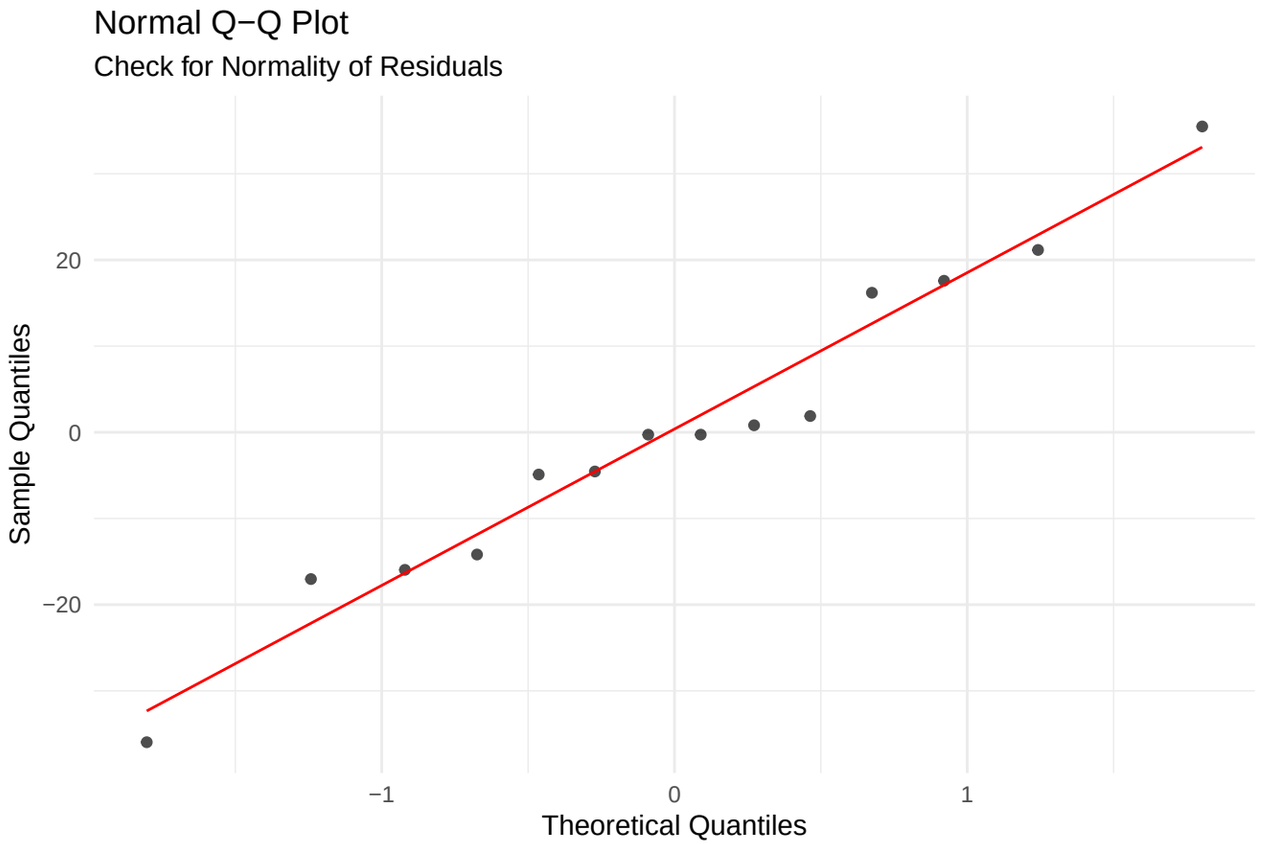


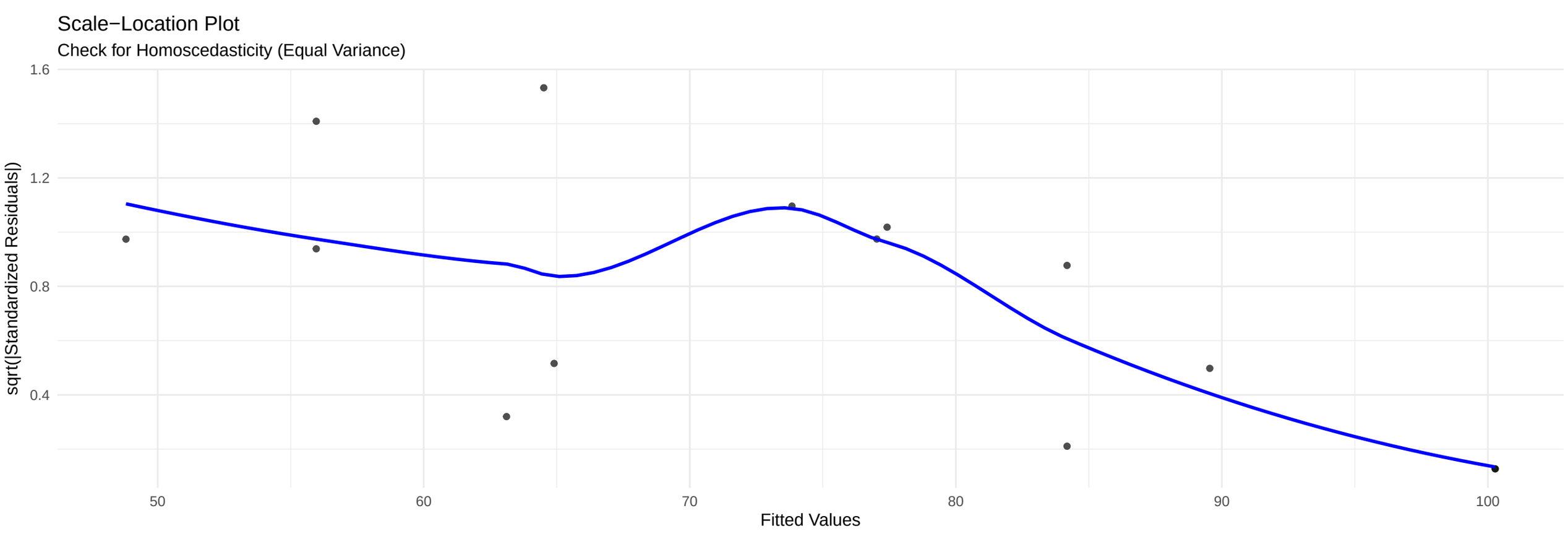


Diagnostics for: SFPA Sum

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.1211)

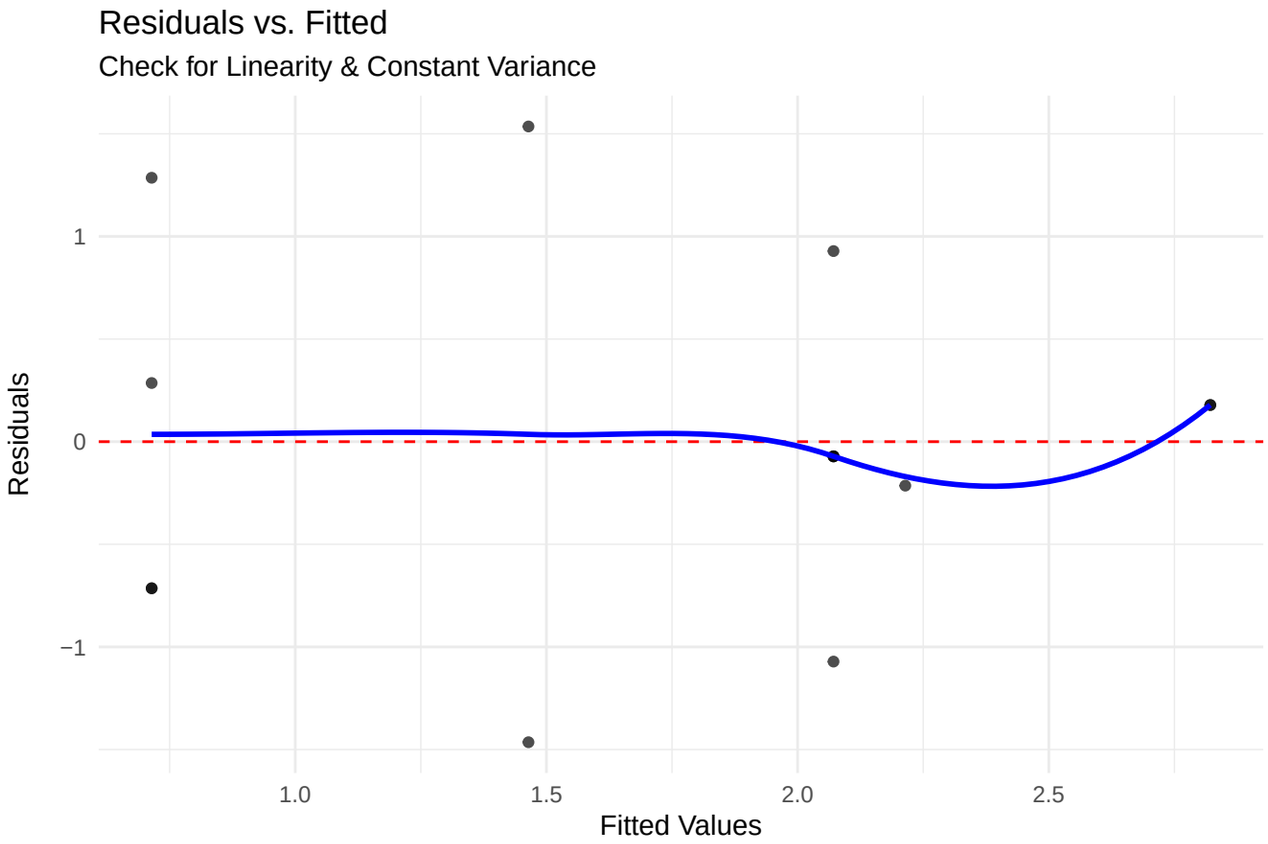


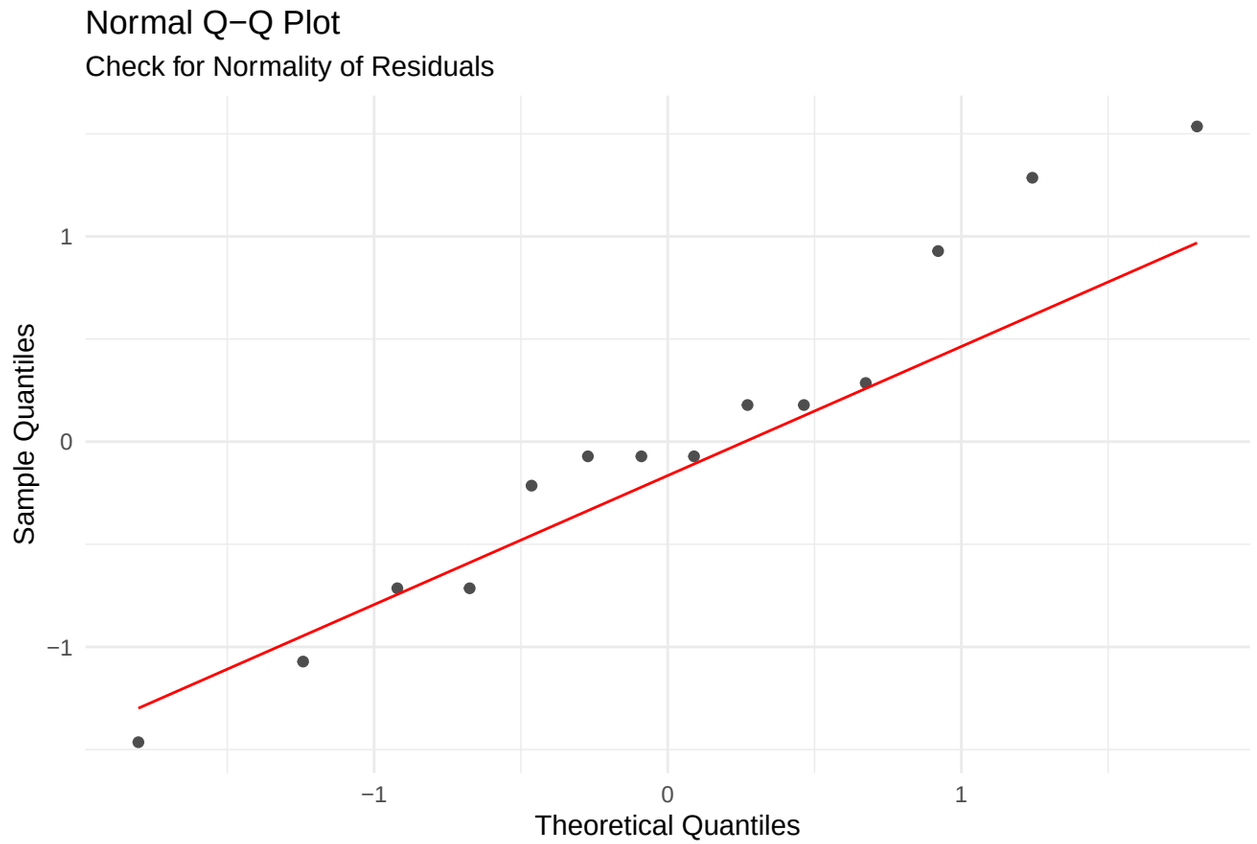


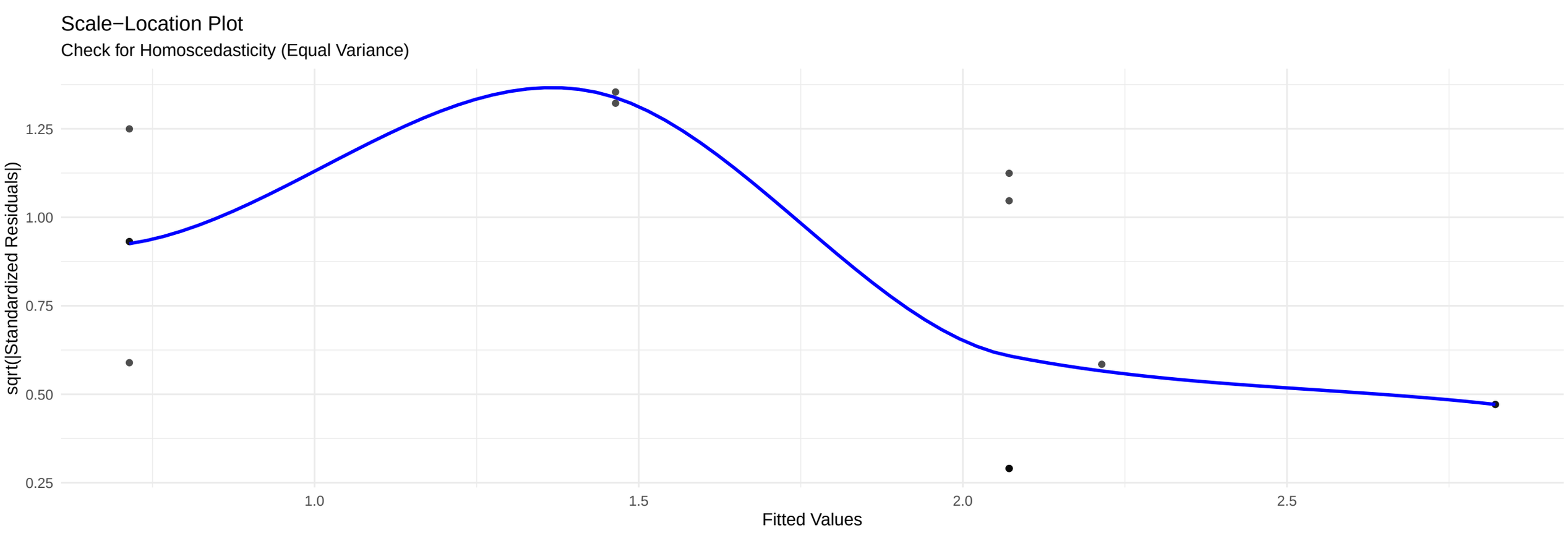


Diagnostics for: PCFS

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7226)

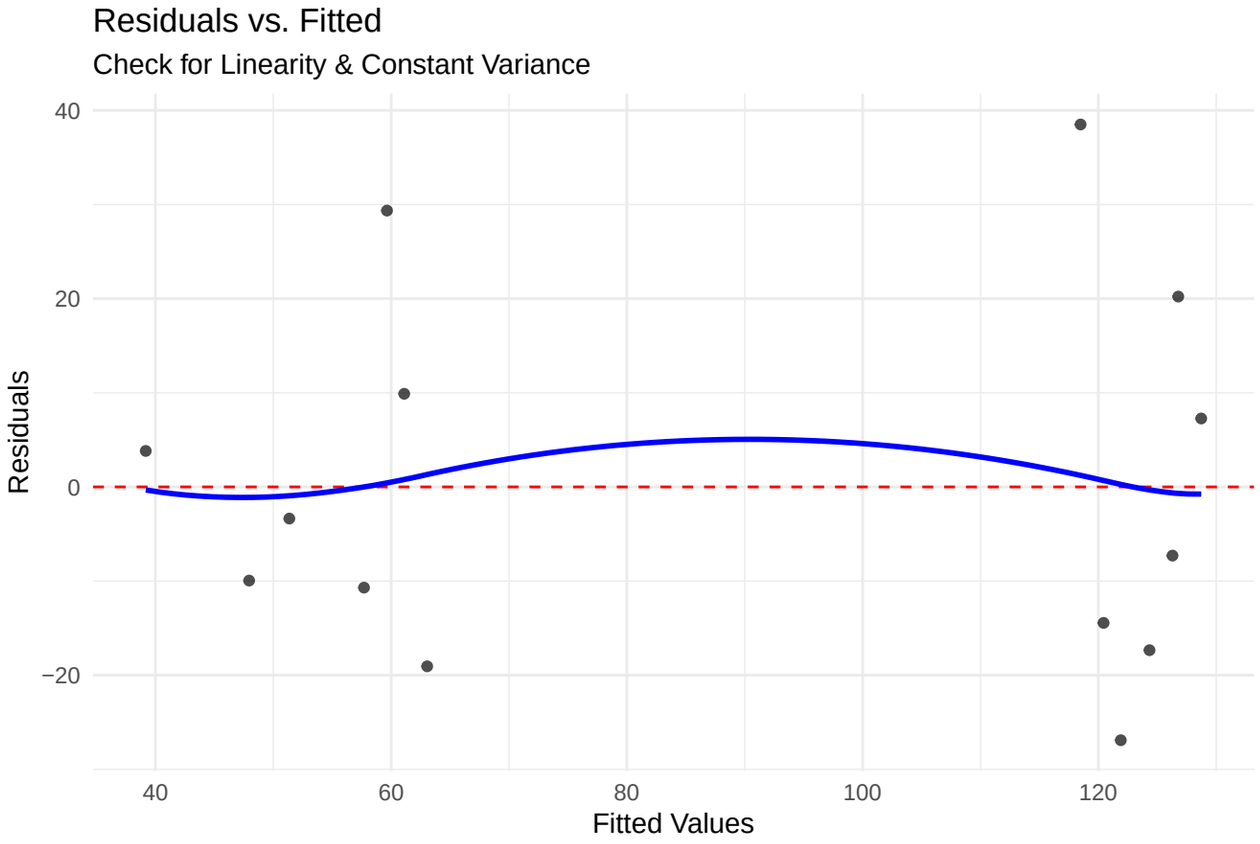


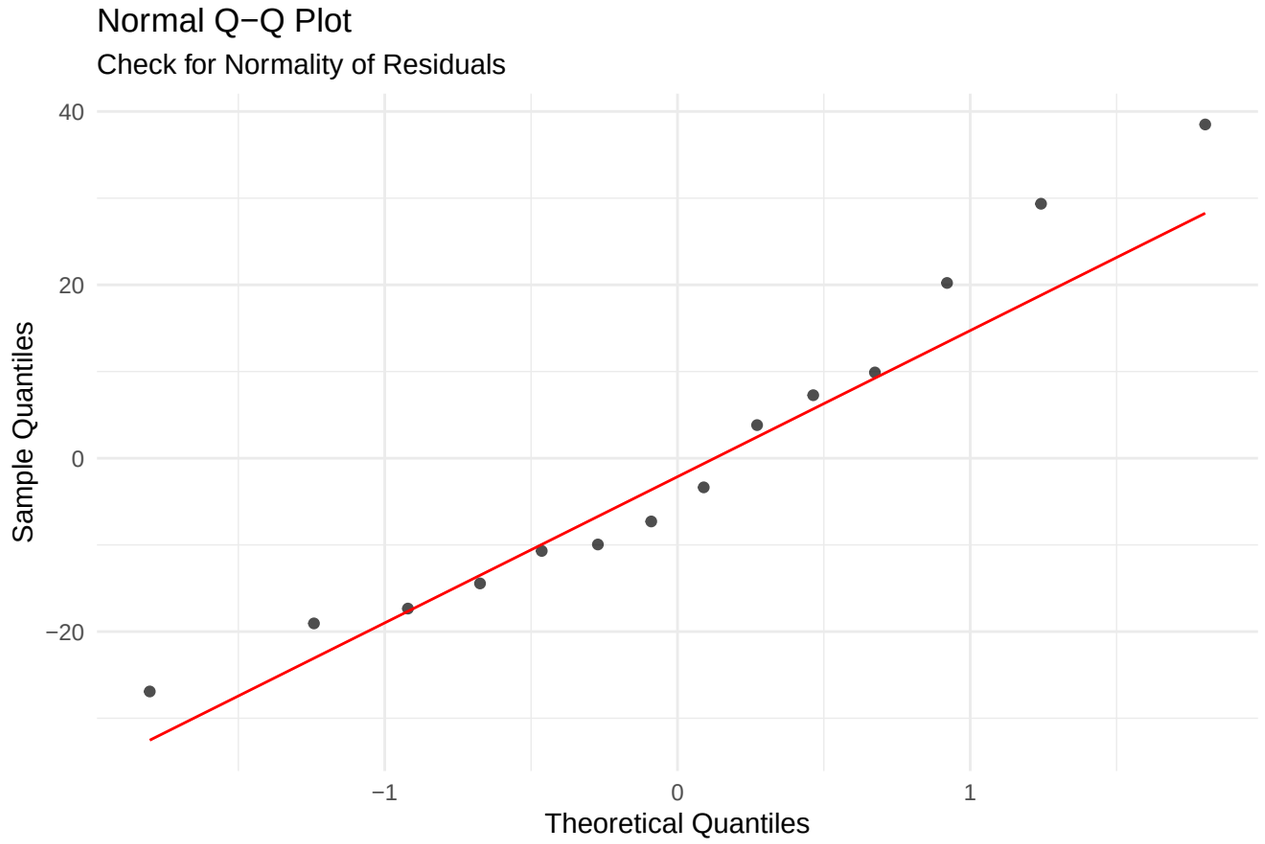


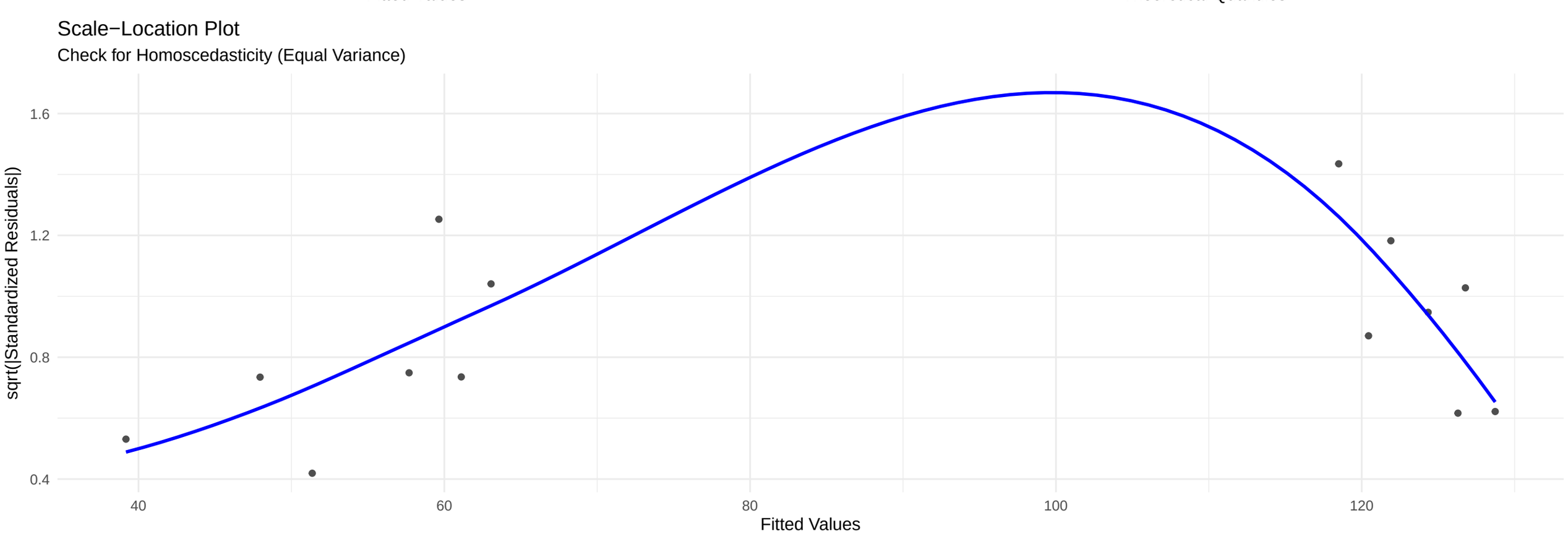


Diagnostics for: MIP Max (Pre)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.846)

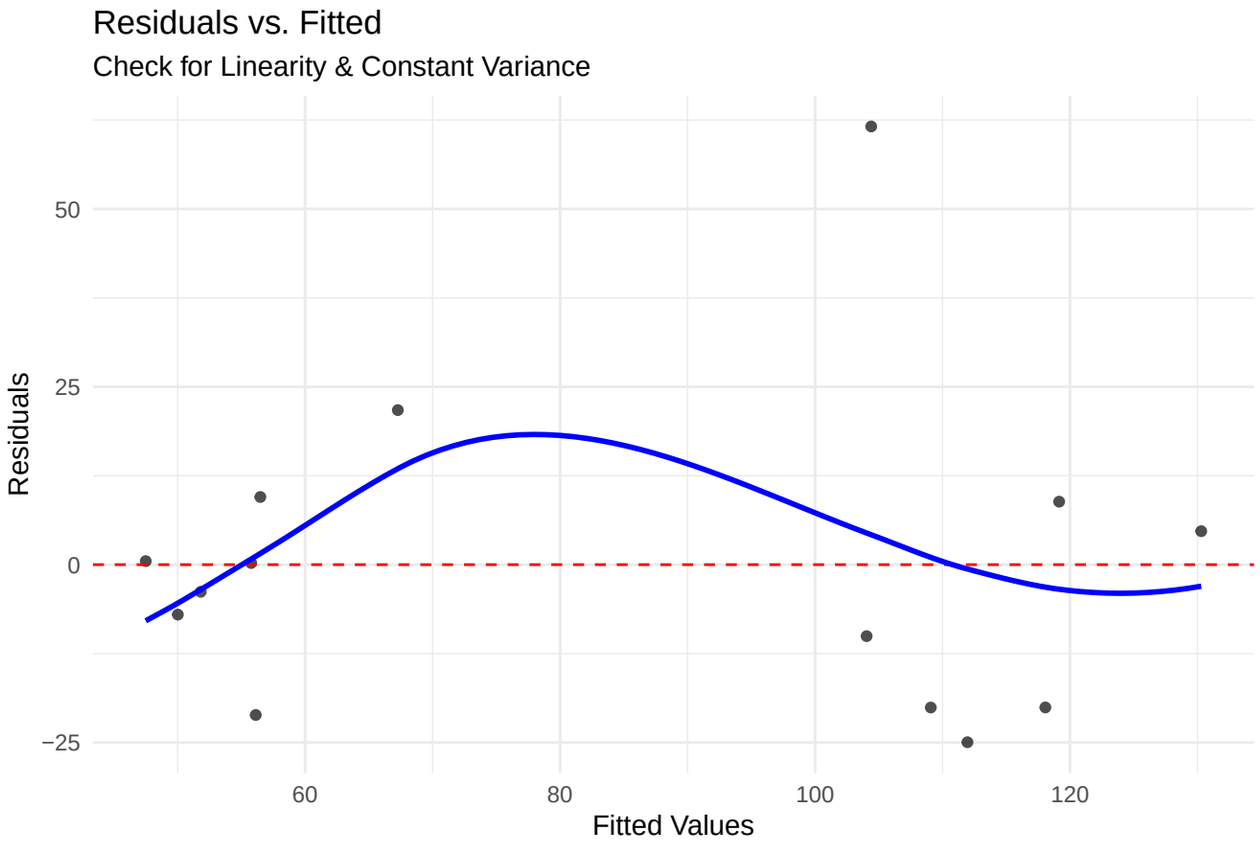


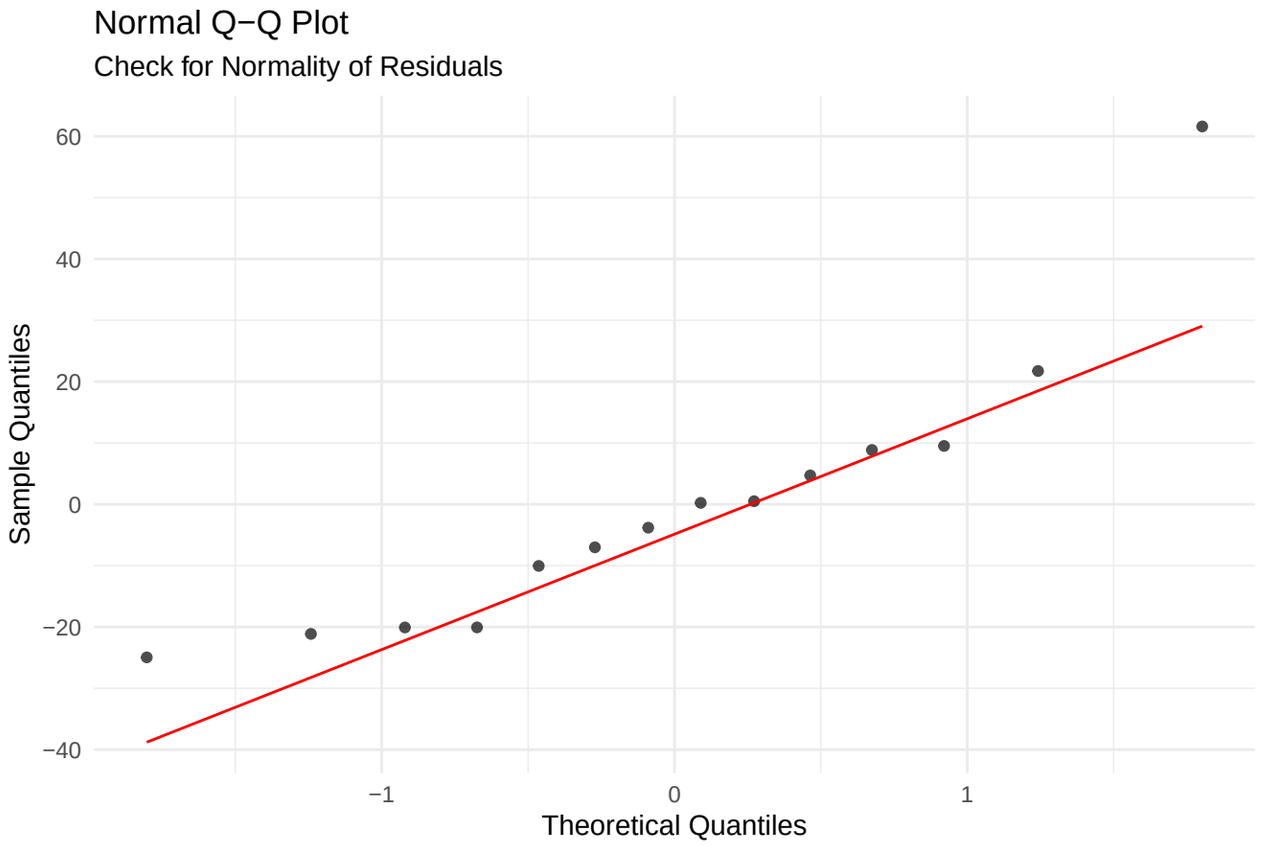


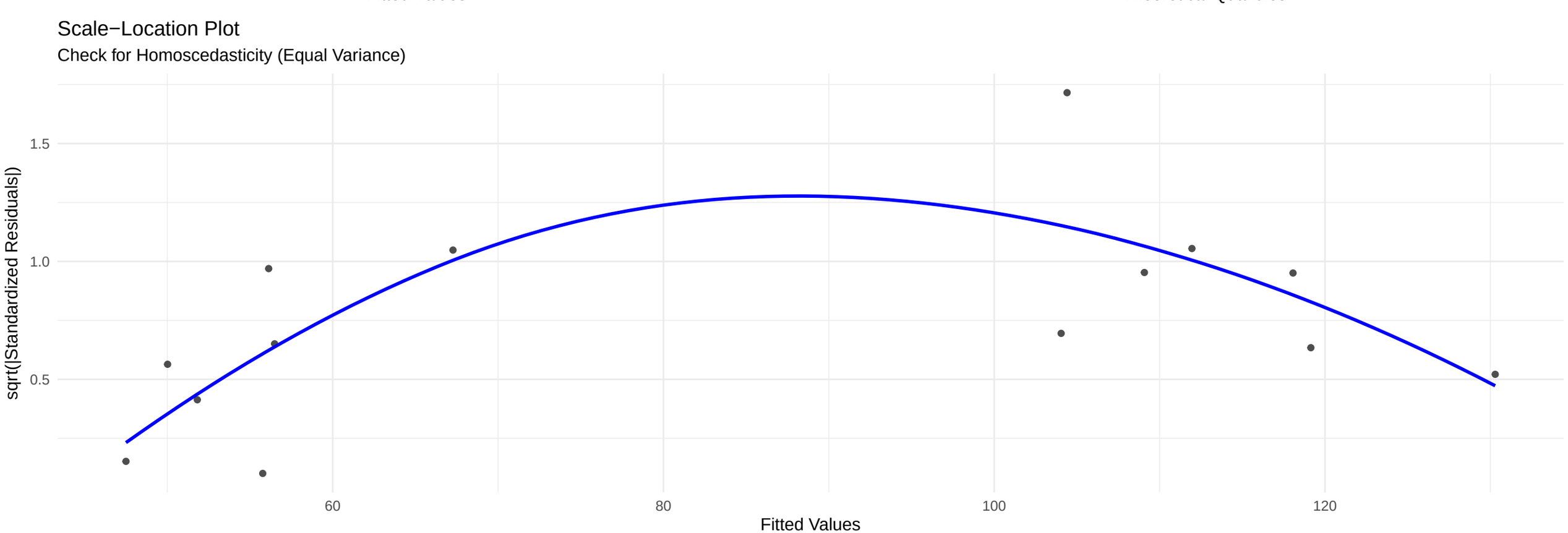


Diagnostics for: MIP Max (Post)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.3643)

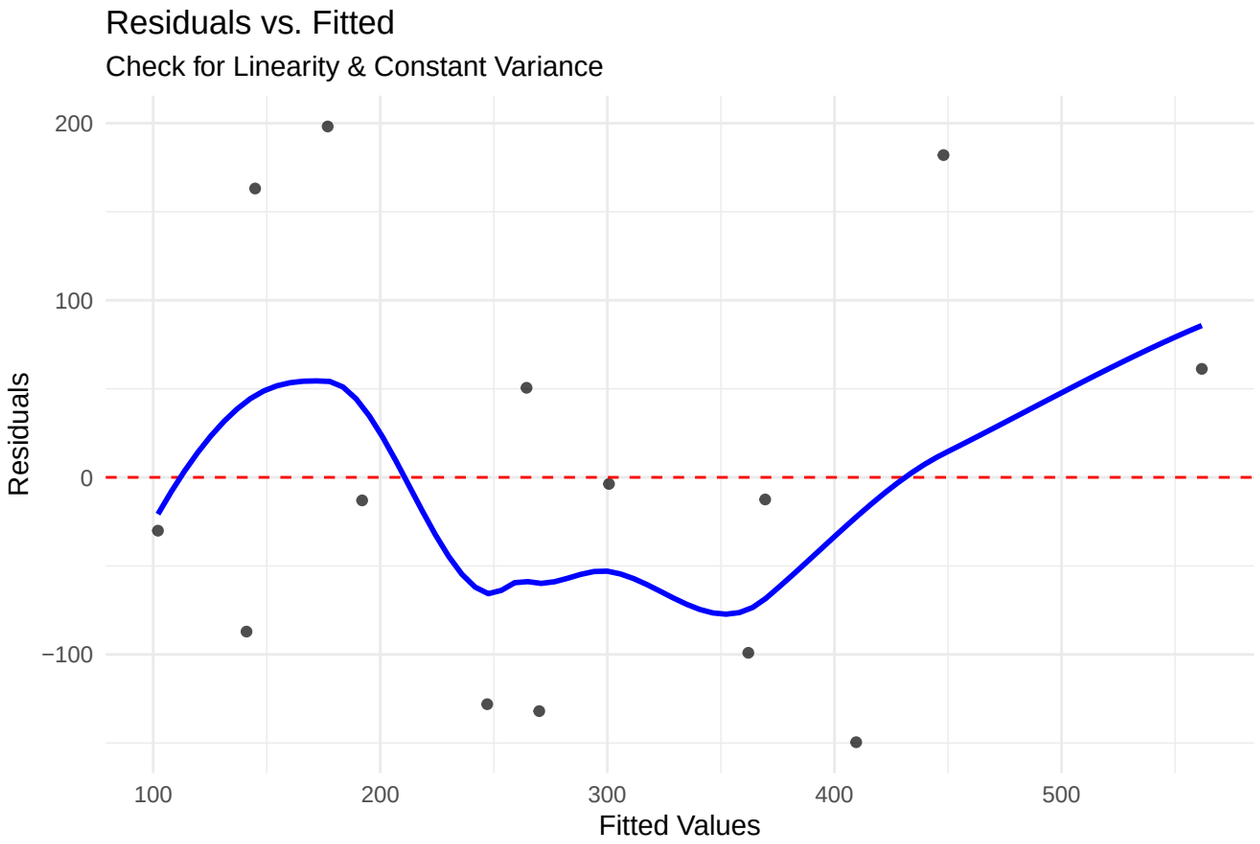


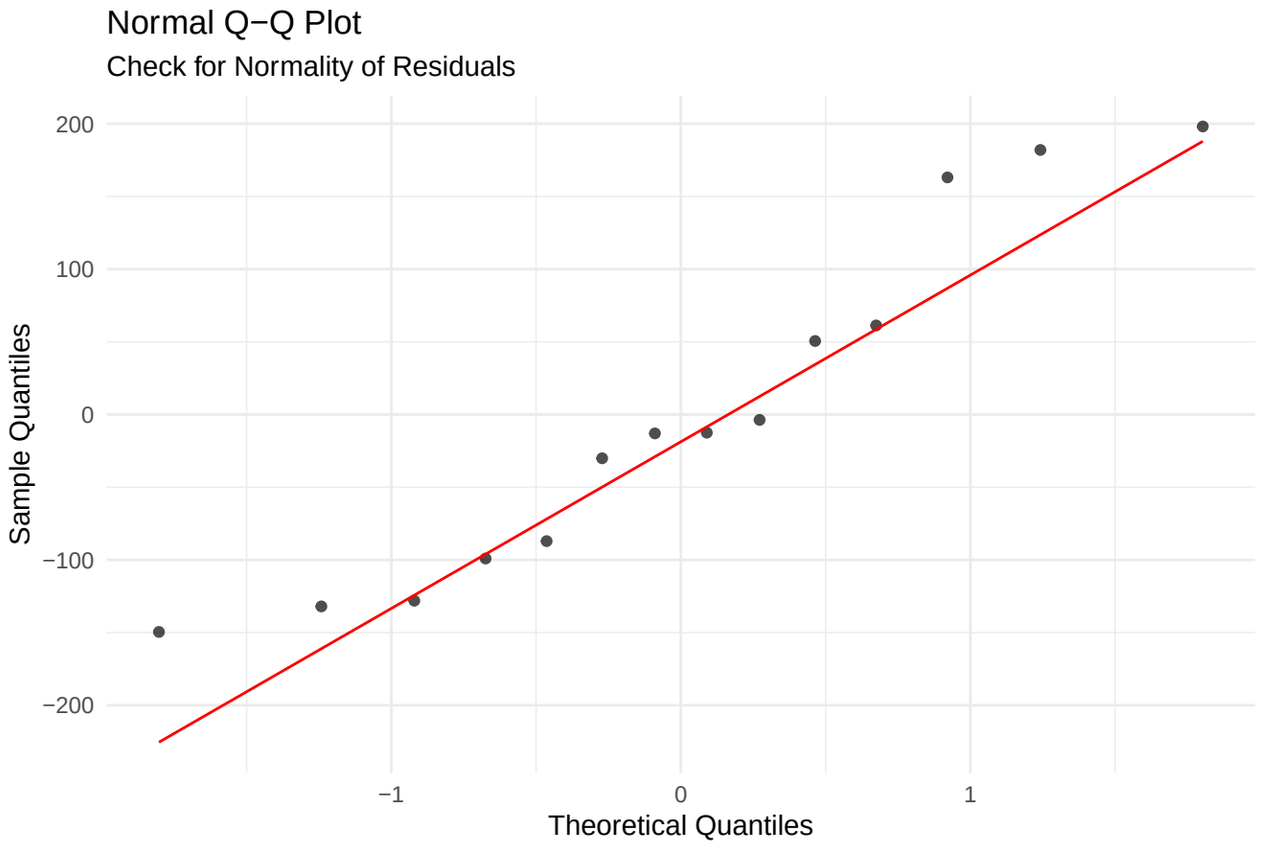


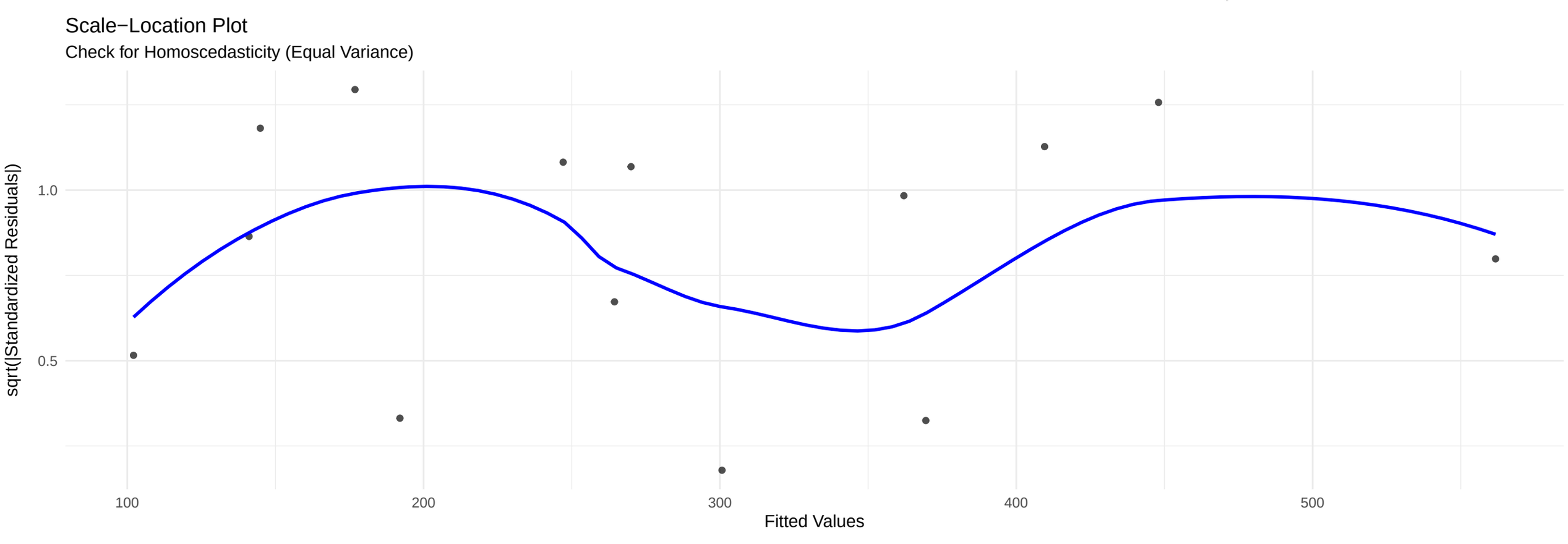


Diagnostics for: SMIP Max (Pre)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.1711)

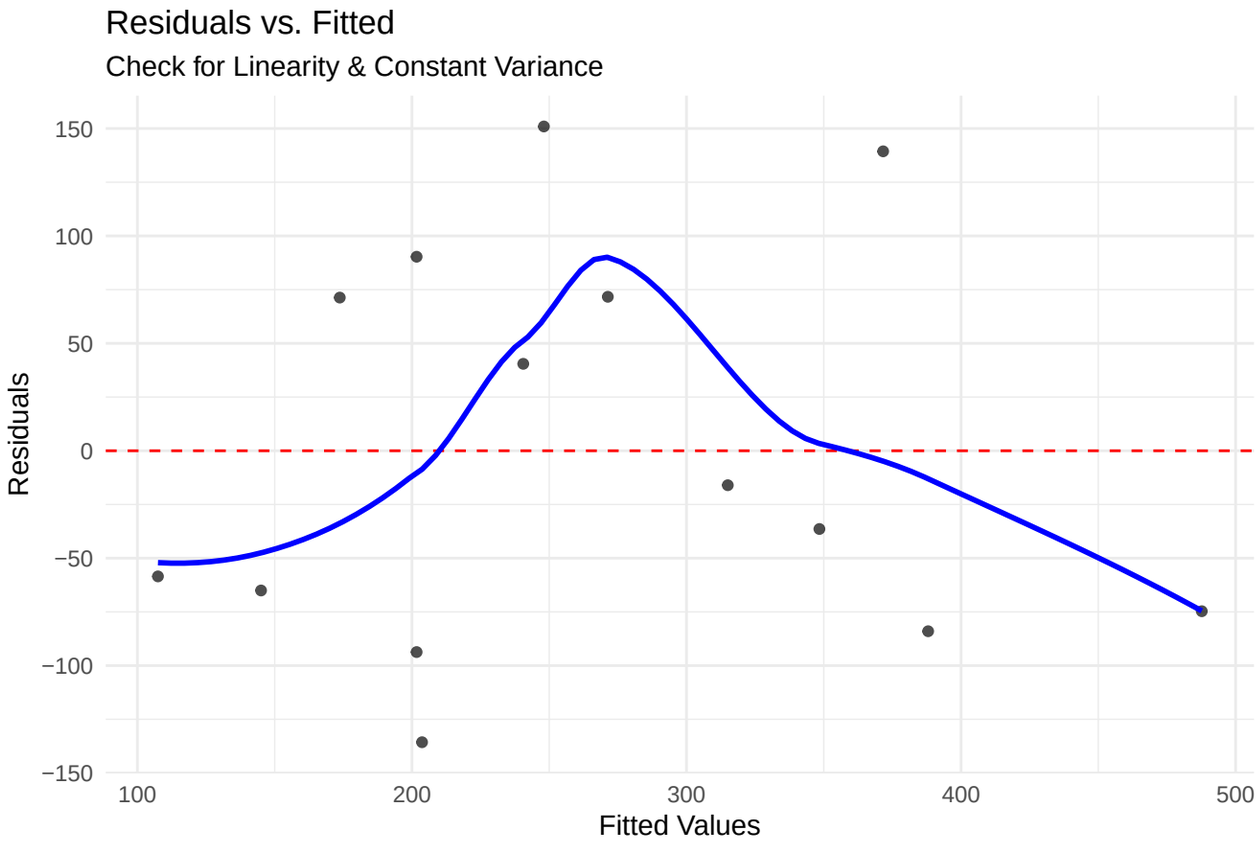


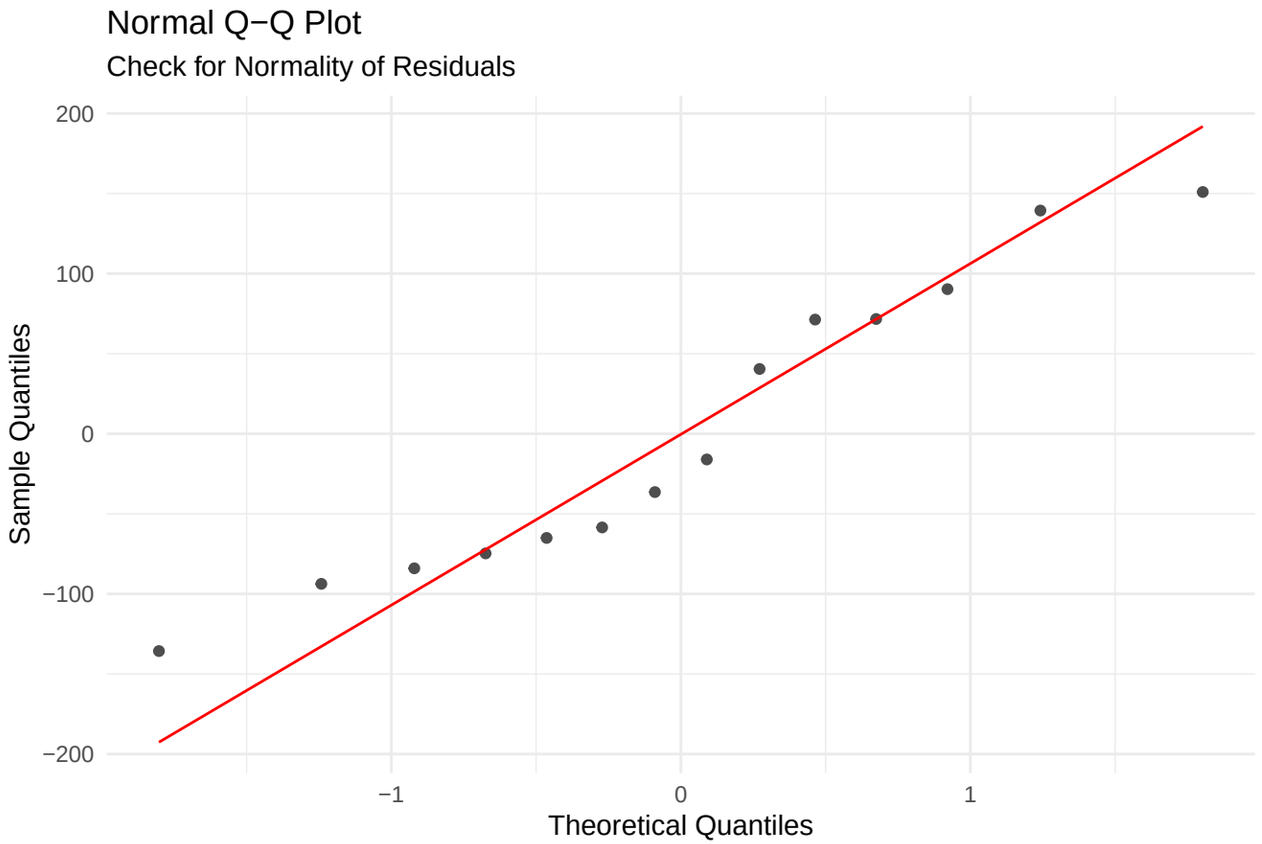


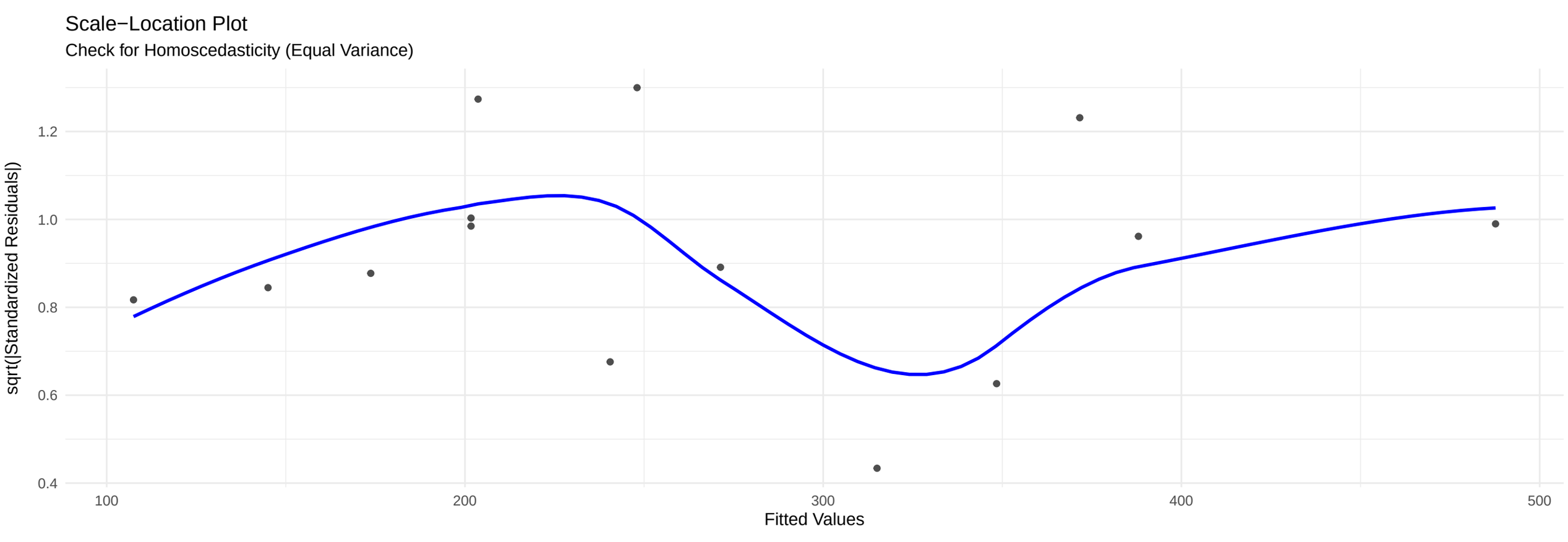


Diagnostics for: SMIP Max (Post)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.4962)

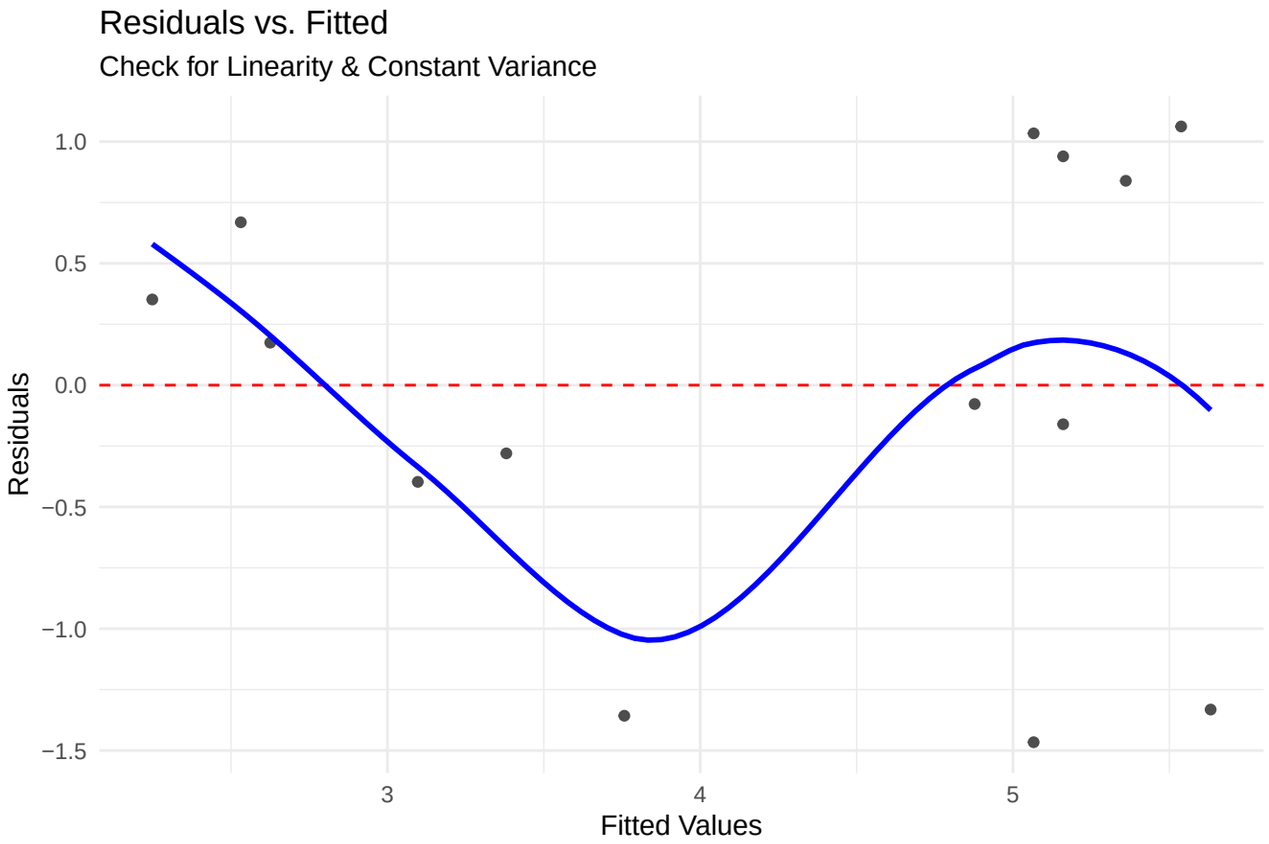


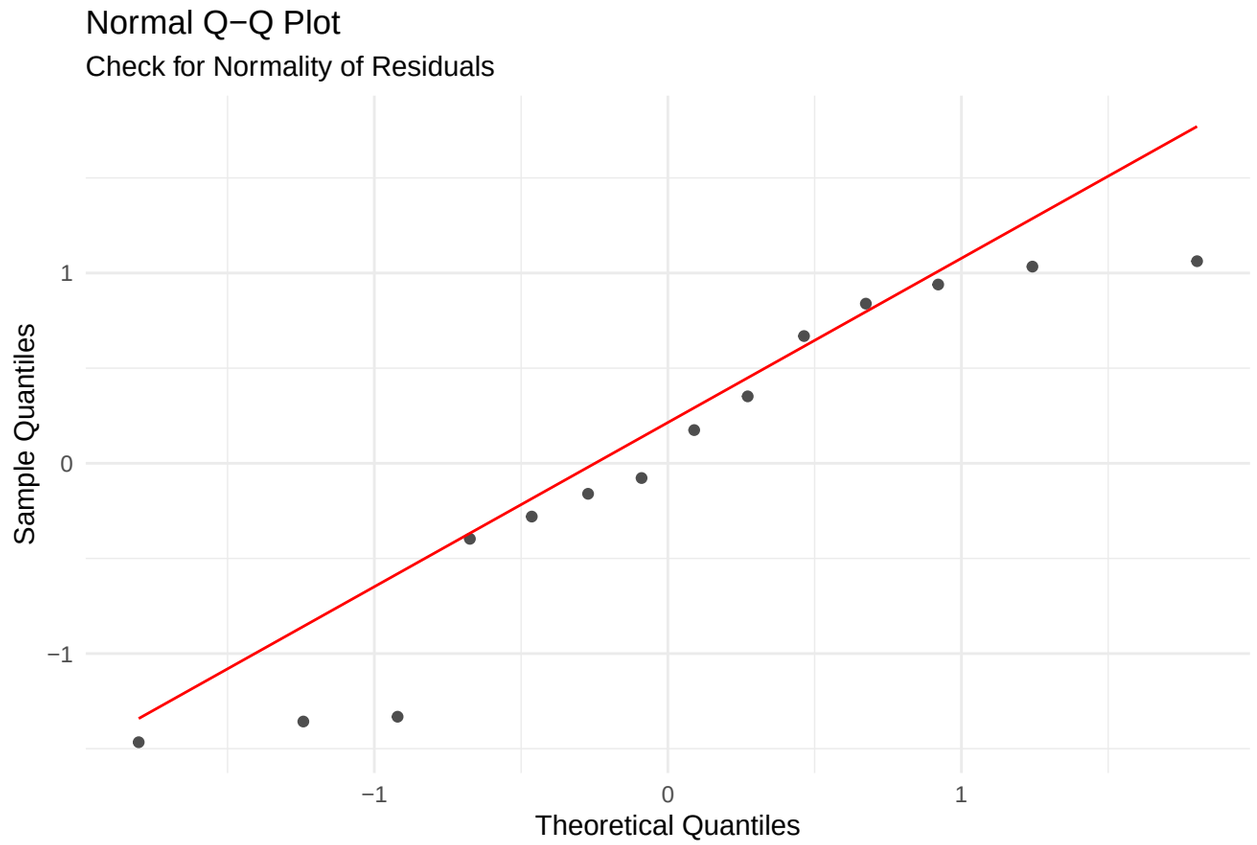


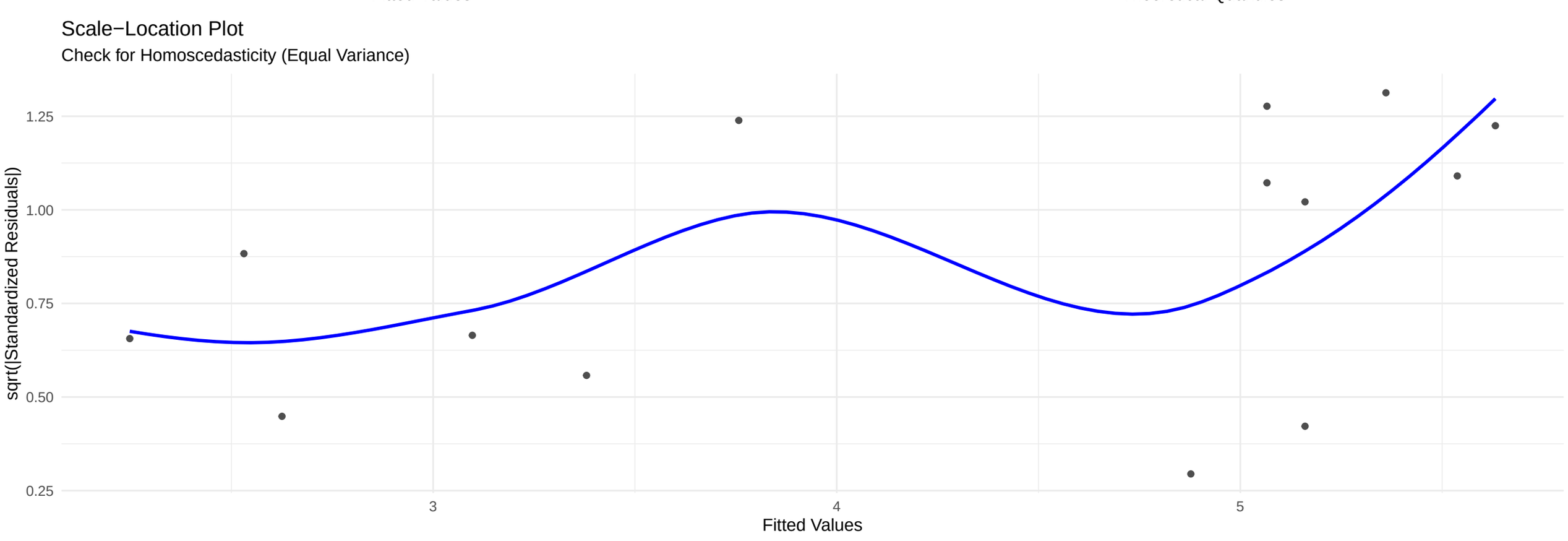


Diagnostics for: PIF Max (Pre)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.8066)

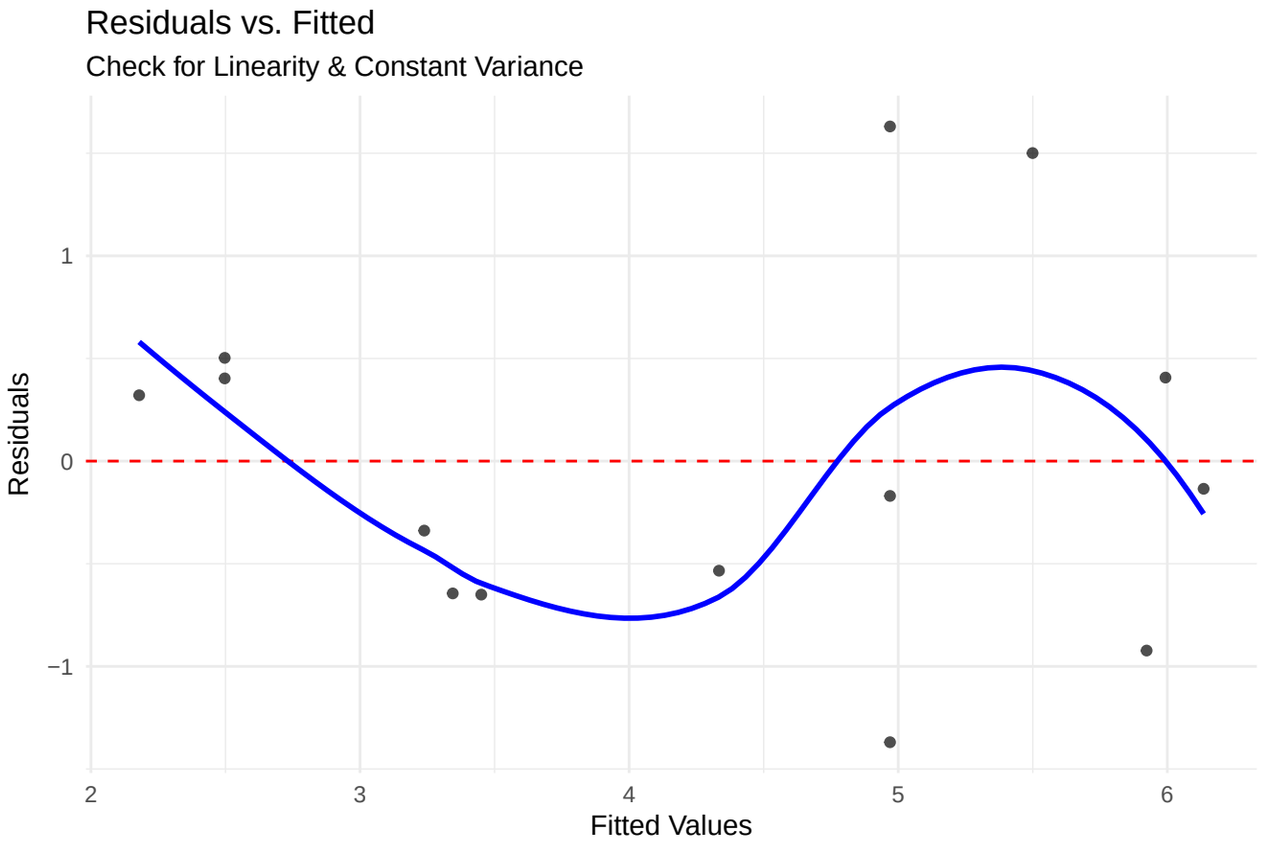


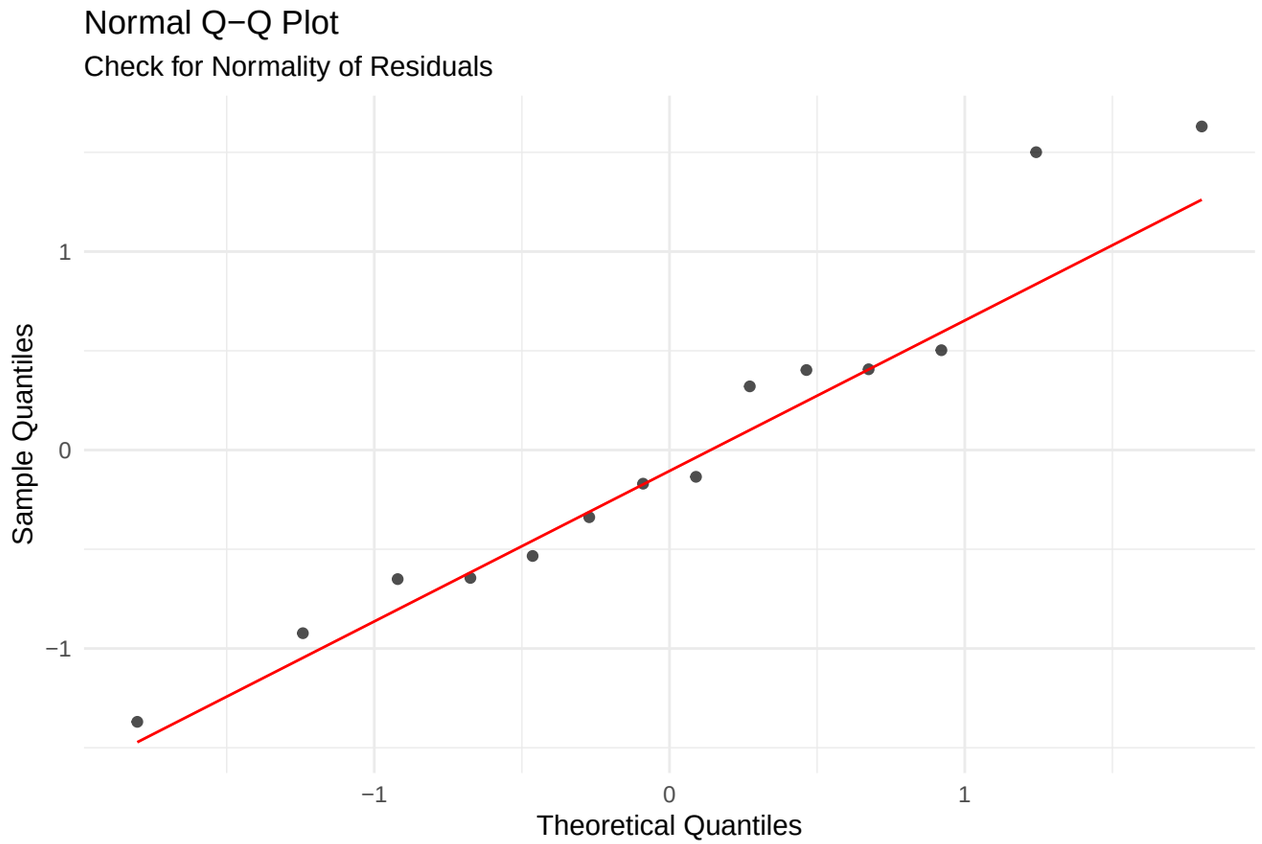


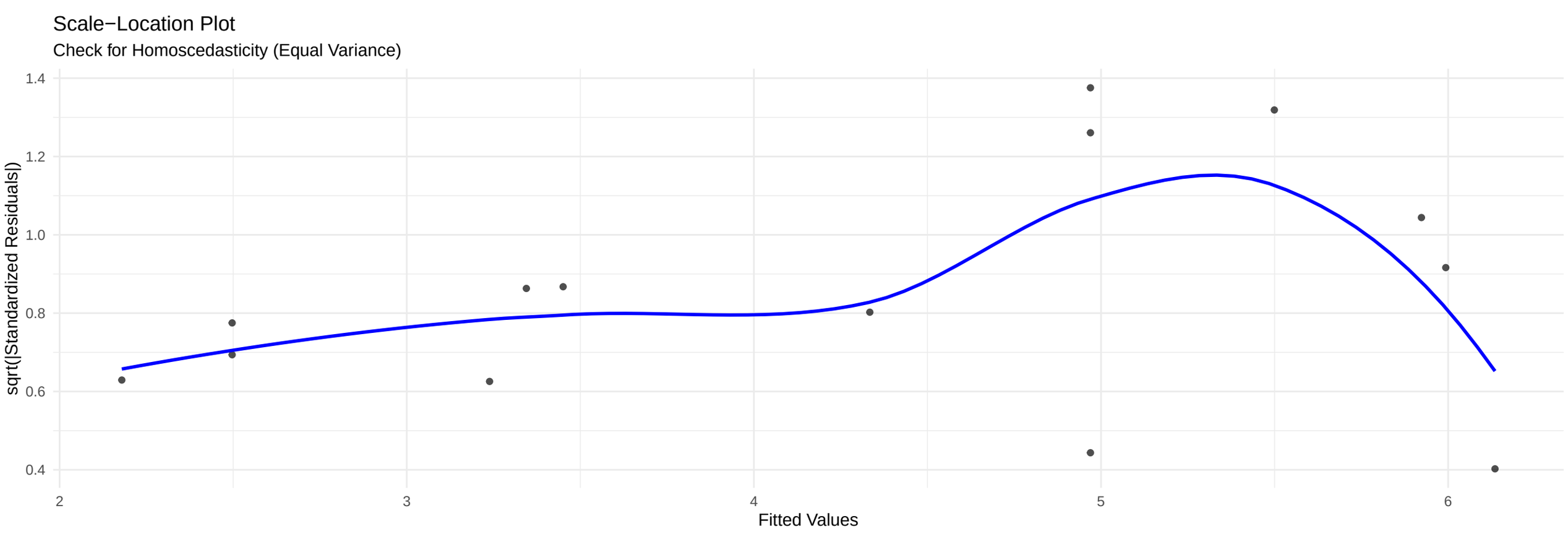


Diagnostics for: PIF Max (Post)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9444)

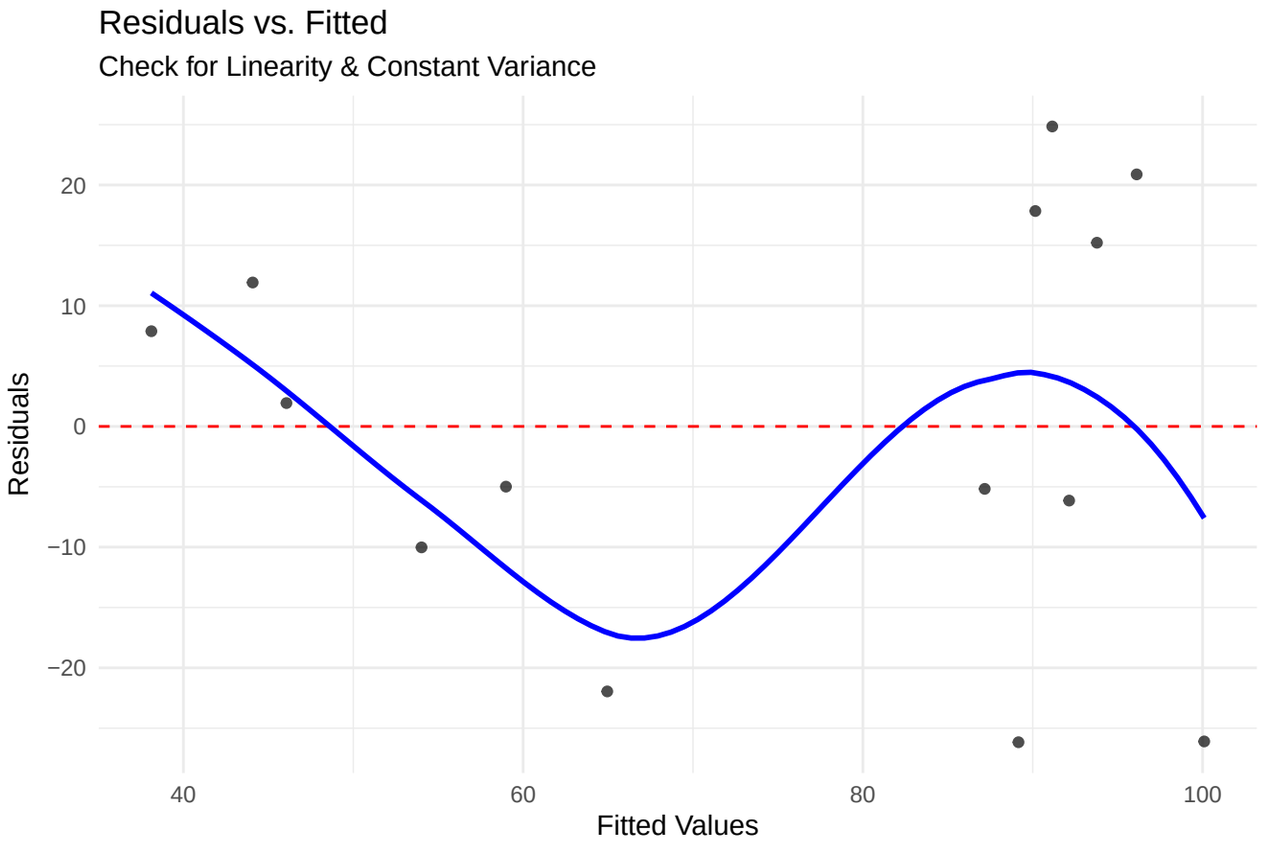


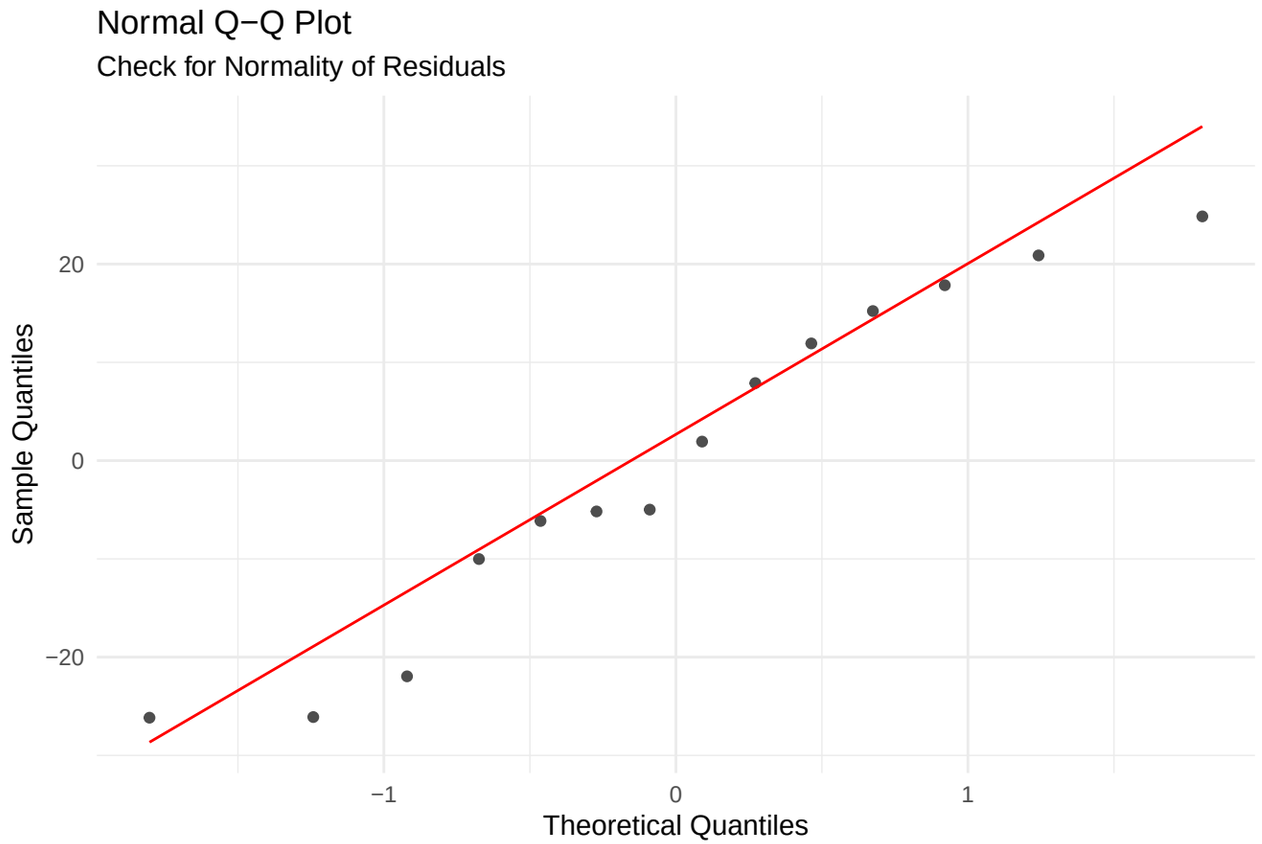


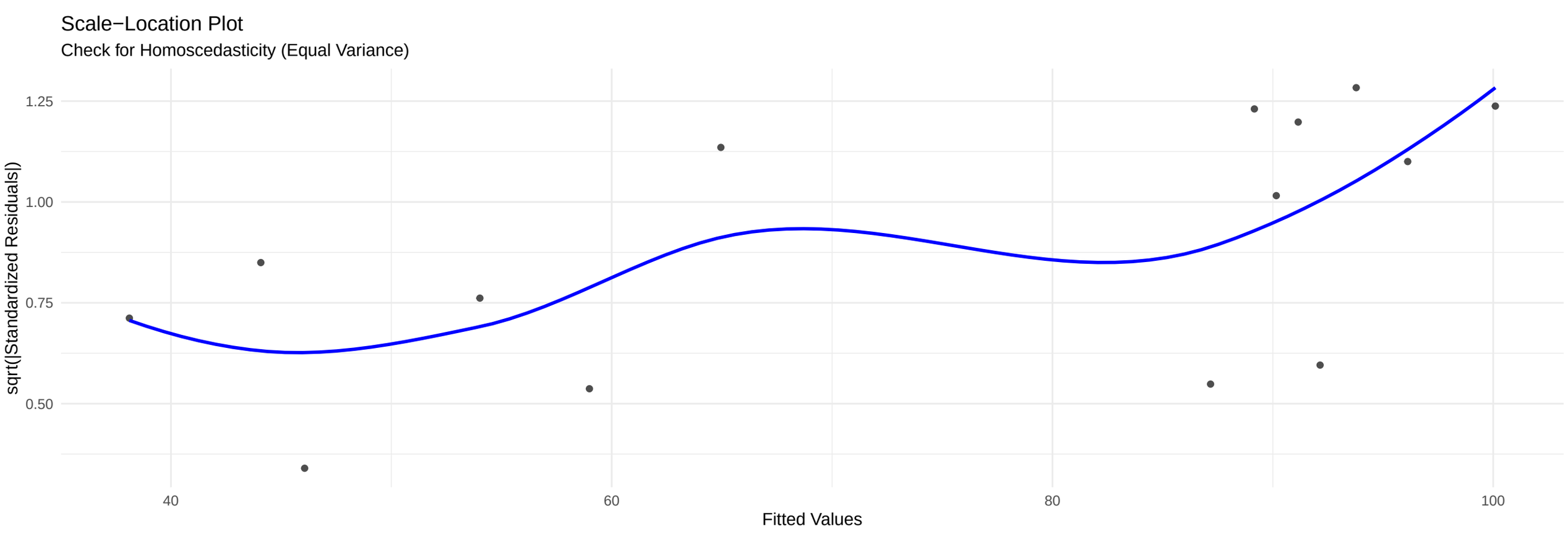


Diagnostics for: SIndex Max (Pre)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7015)

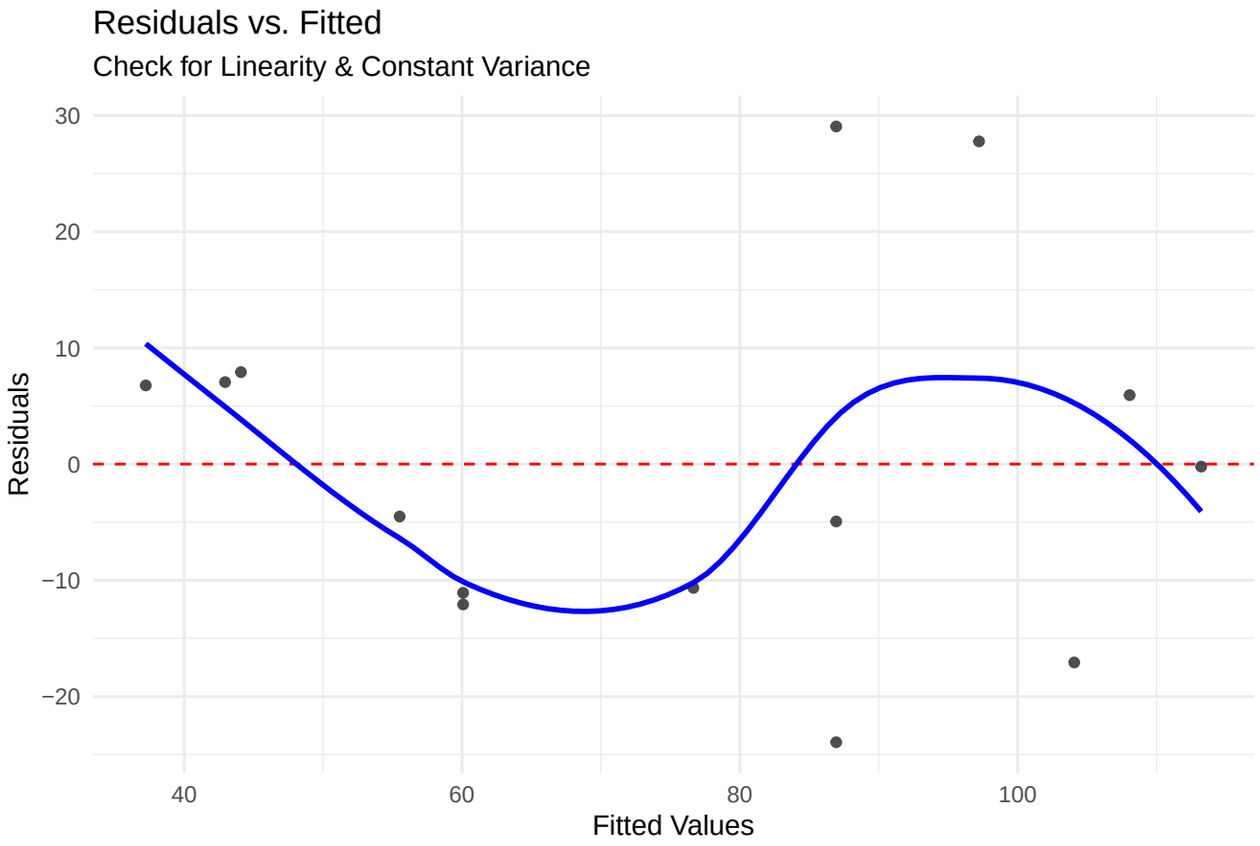


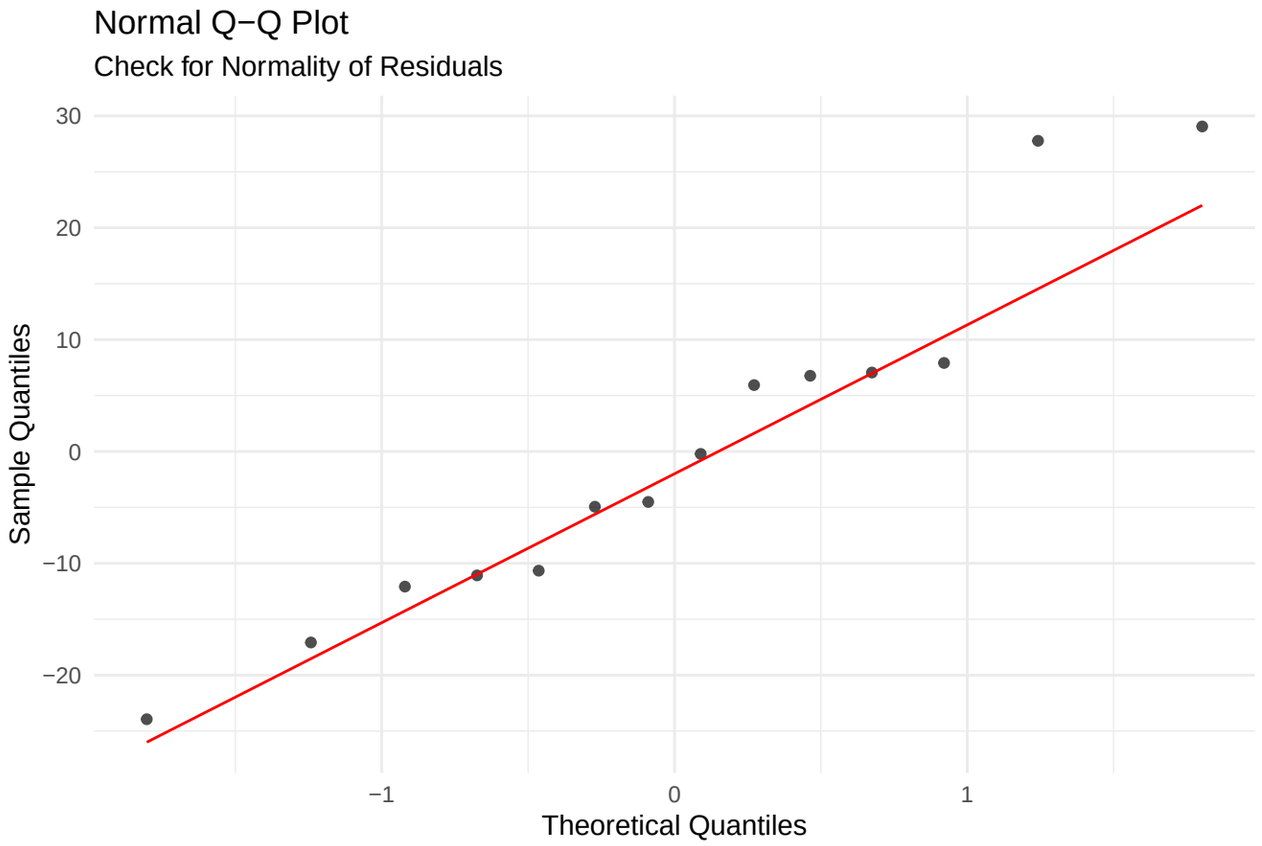


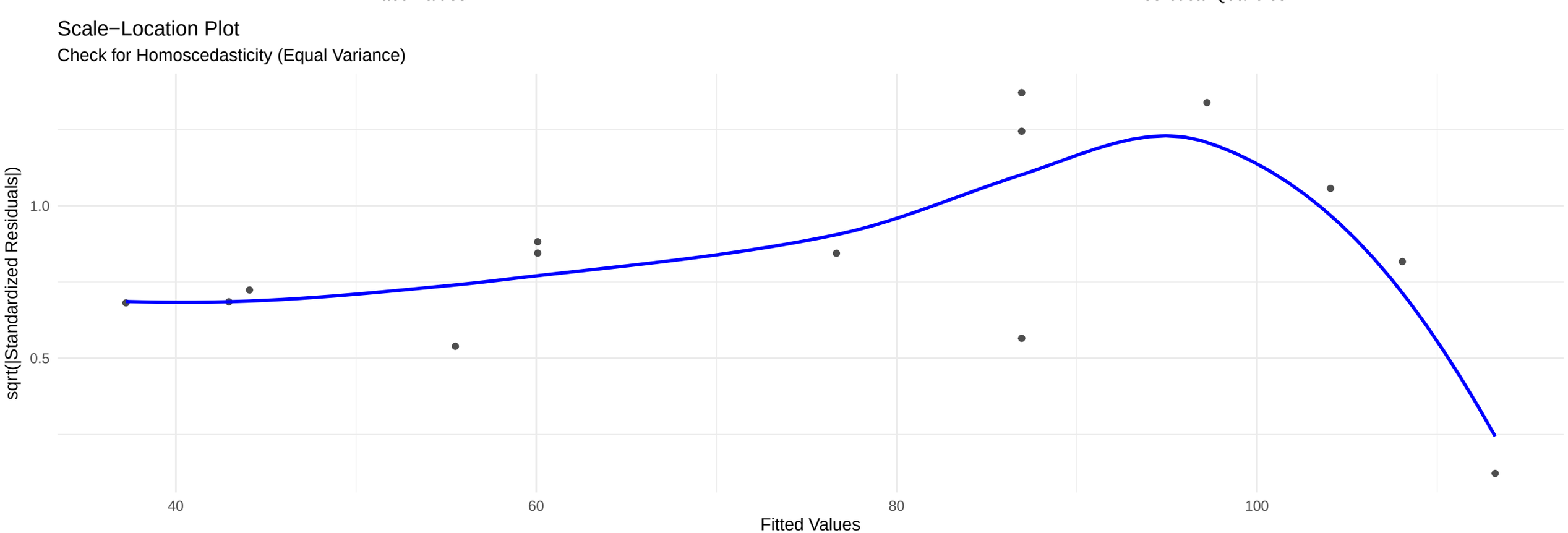


Diagnostics for: SIndex Max (Post)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.8422)

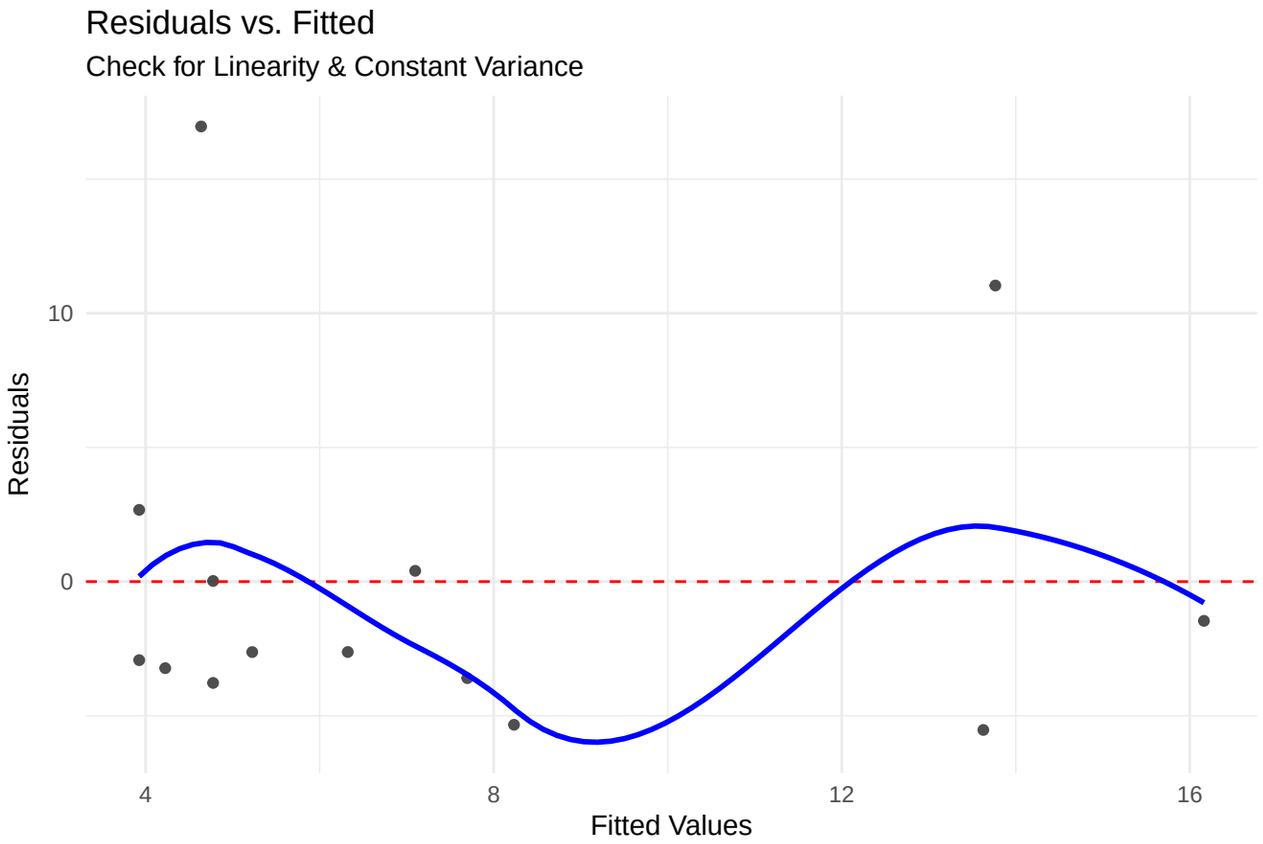


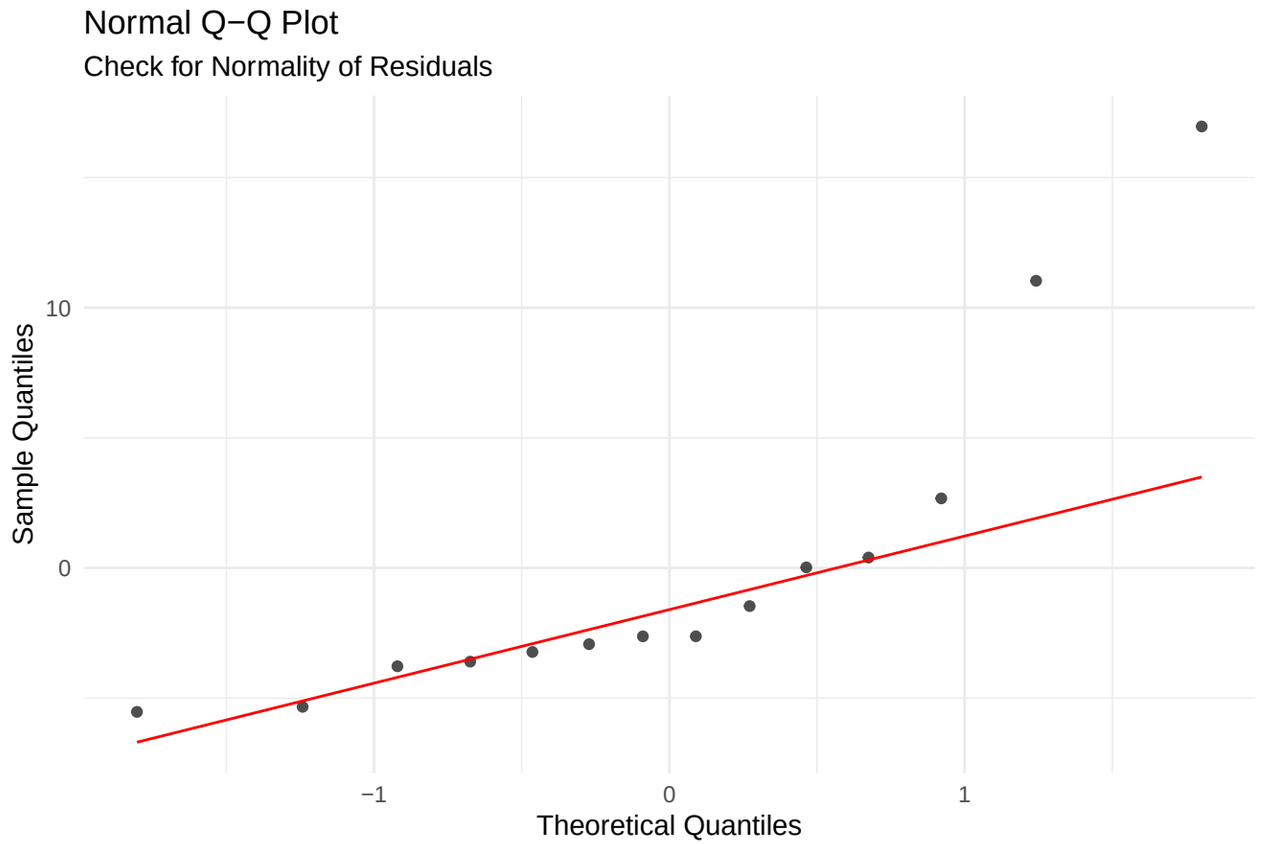


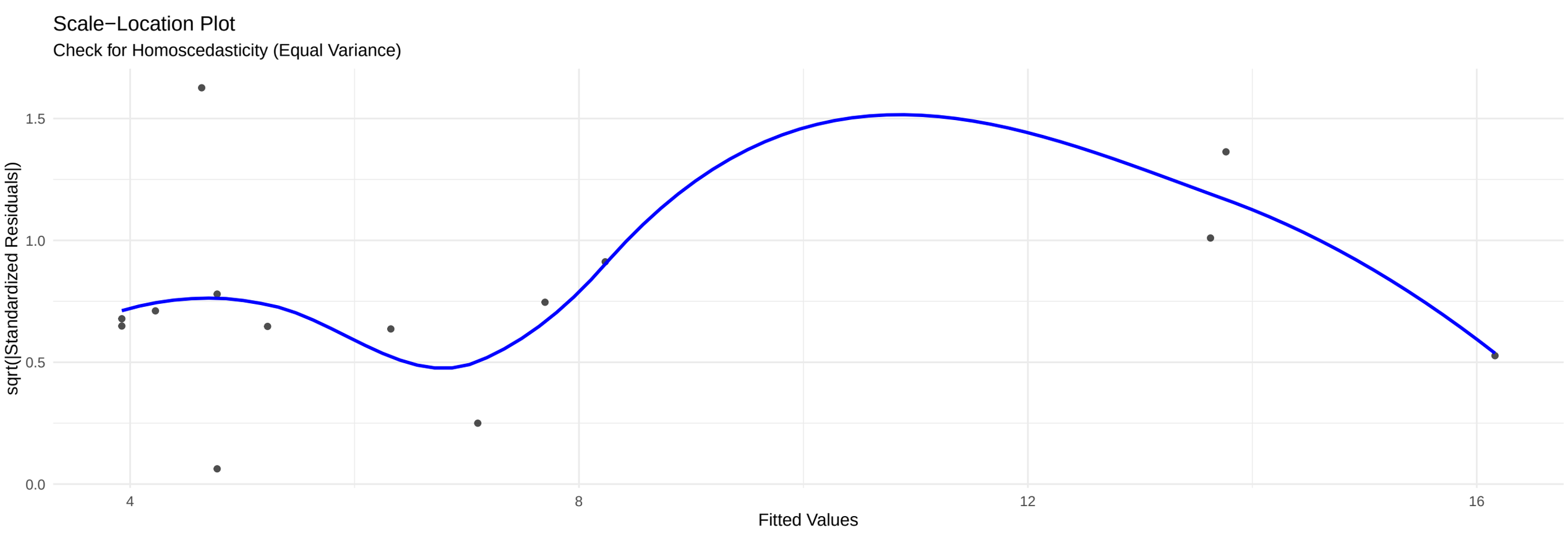


Diagnostics for: FIT Max (Pre−Activity)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.143)

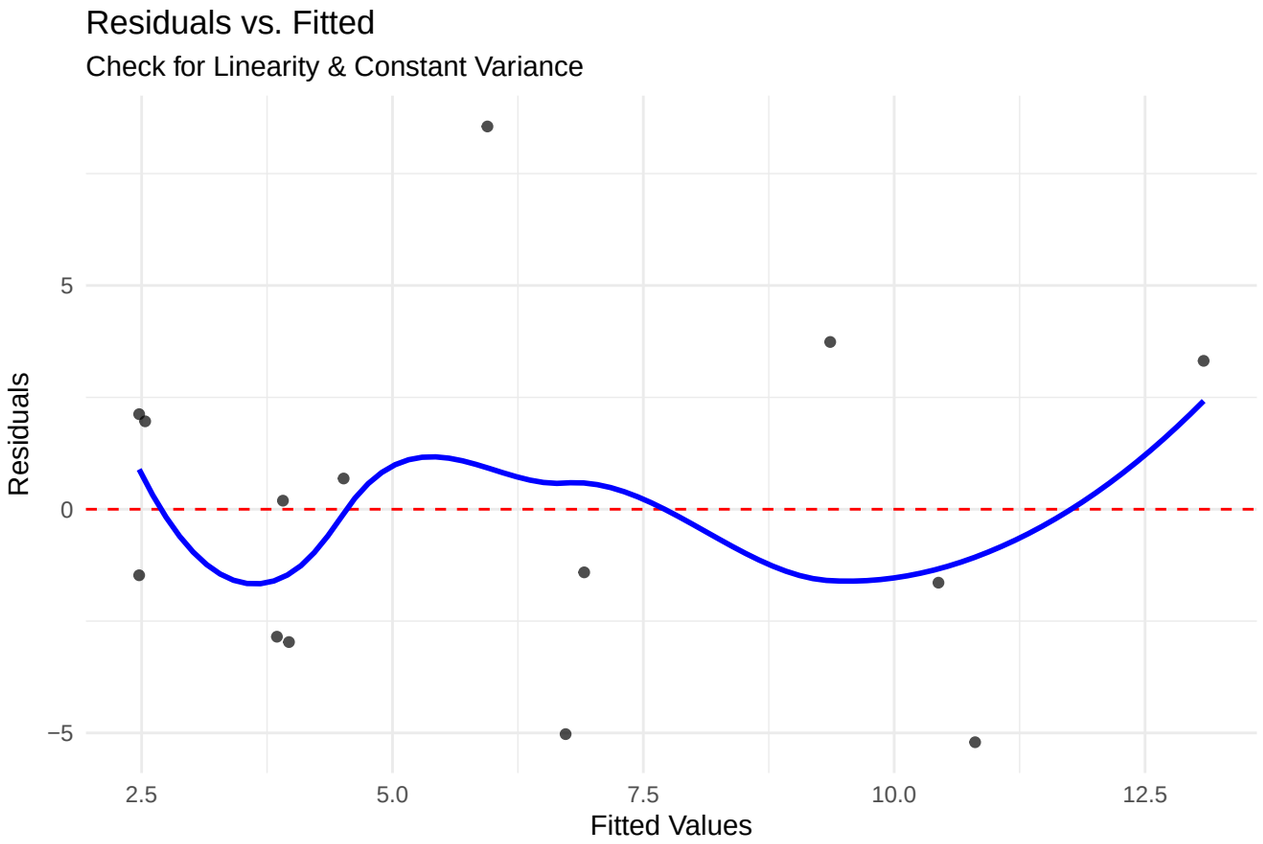


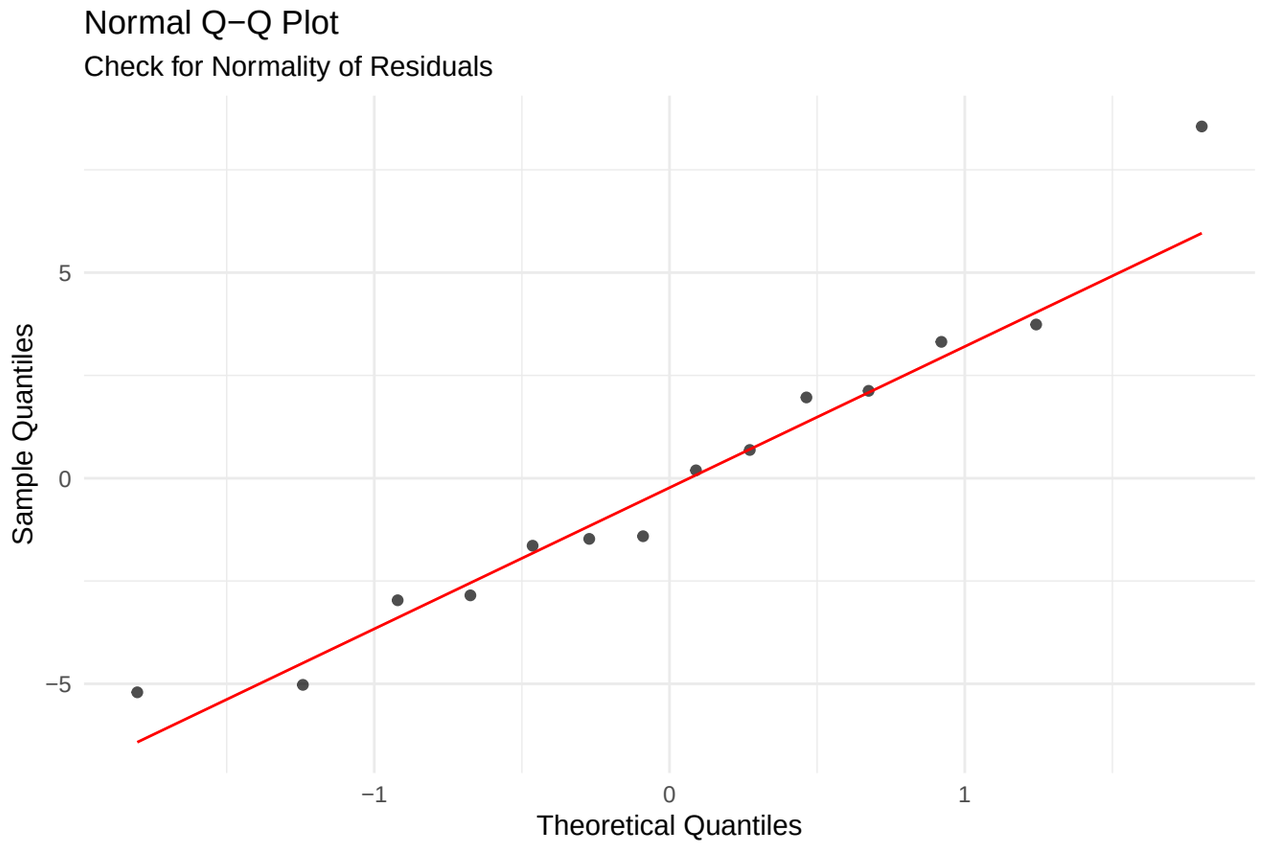


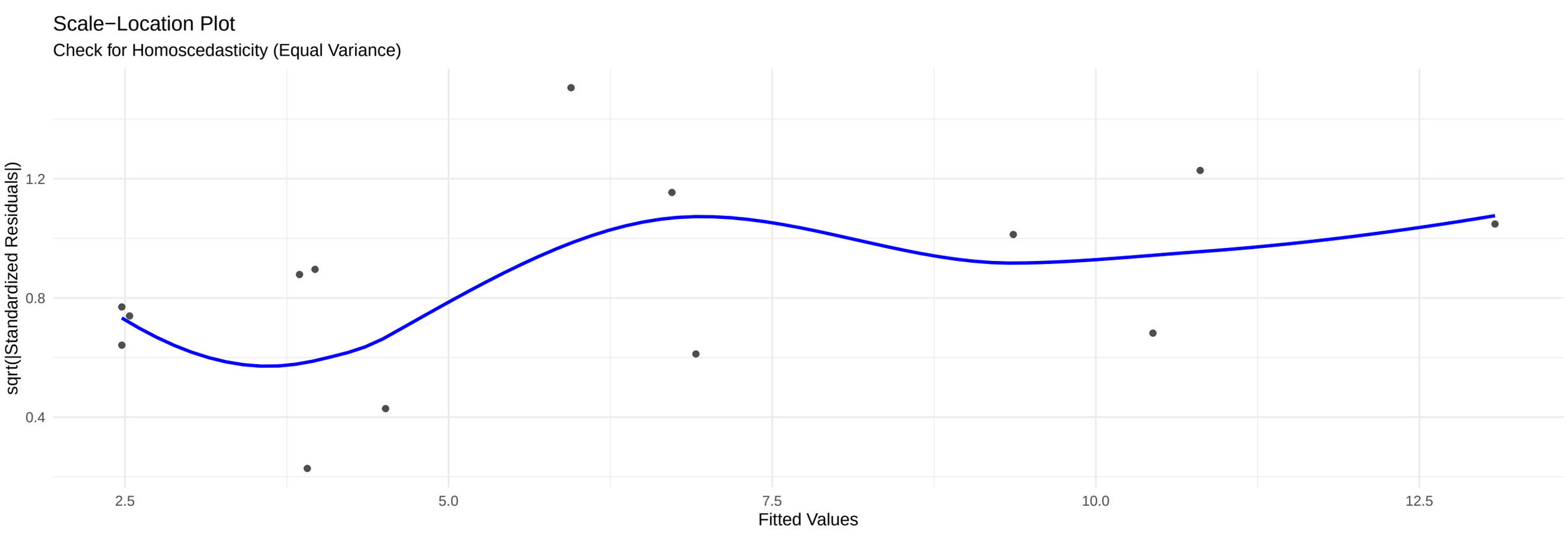


Diagnostics for: FIT Max (Post−Activity)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.5978)

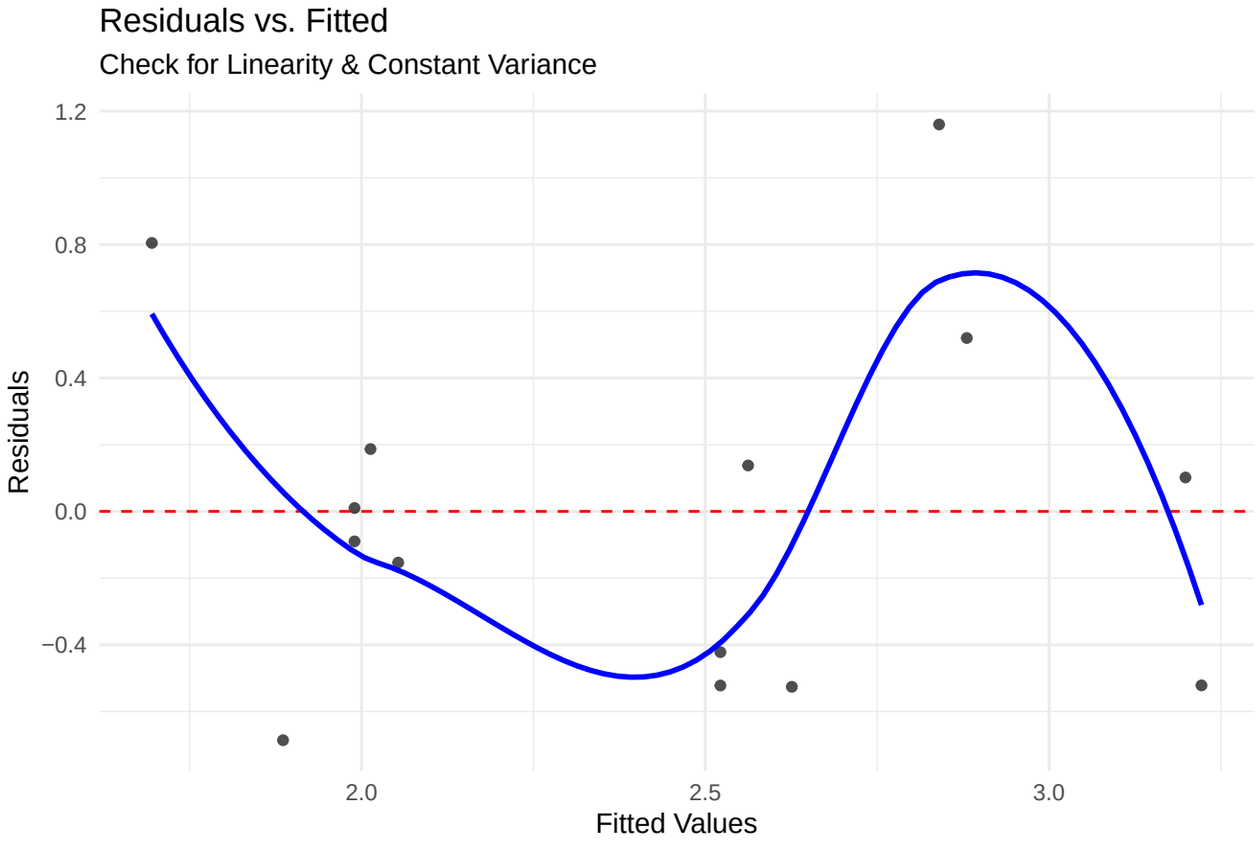


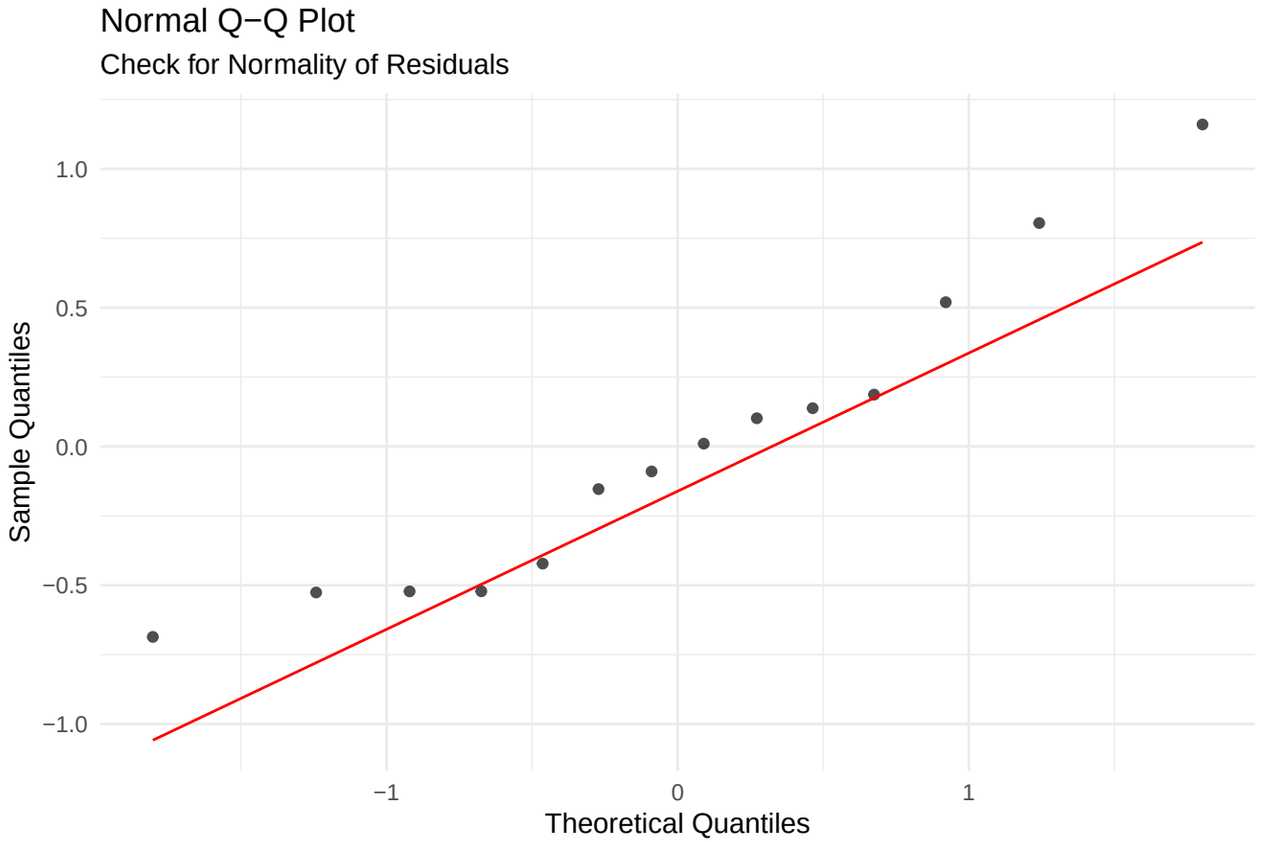


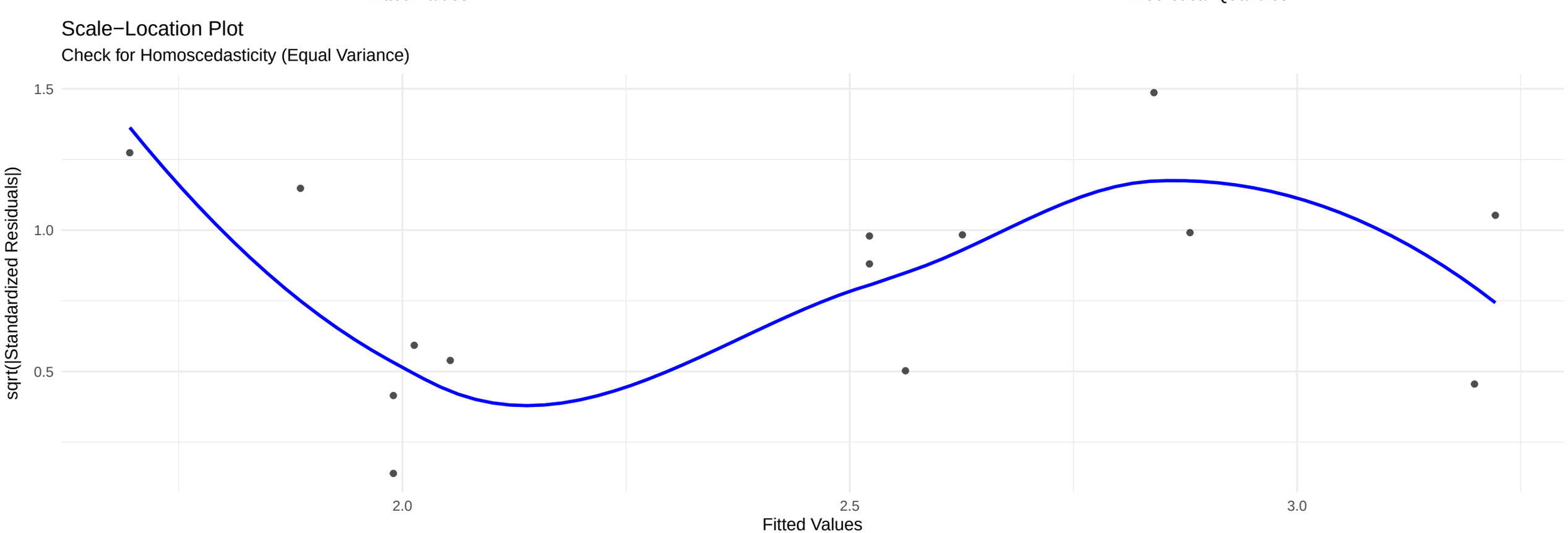


Diagnostics for: Volume Max (Pre−Activity)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.5637)

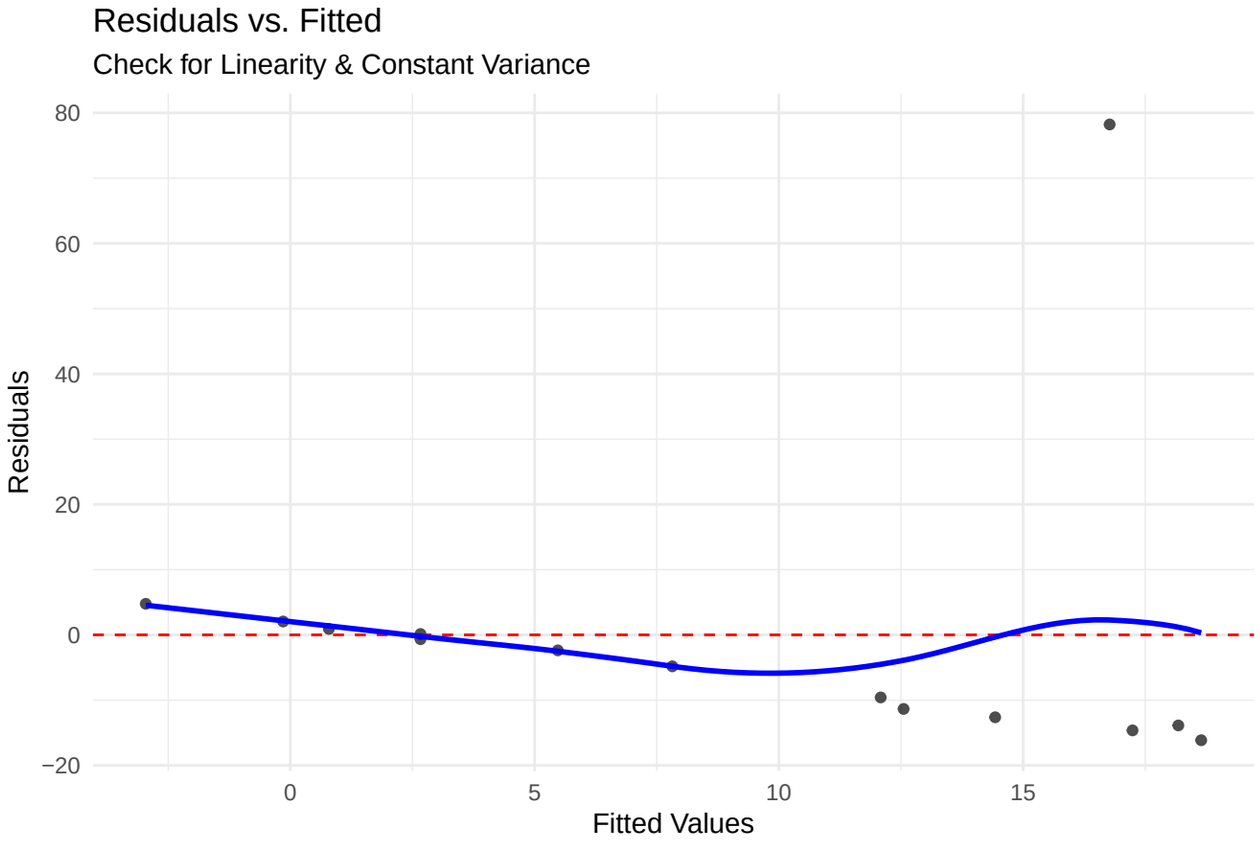


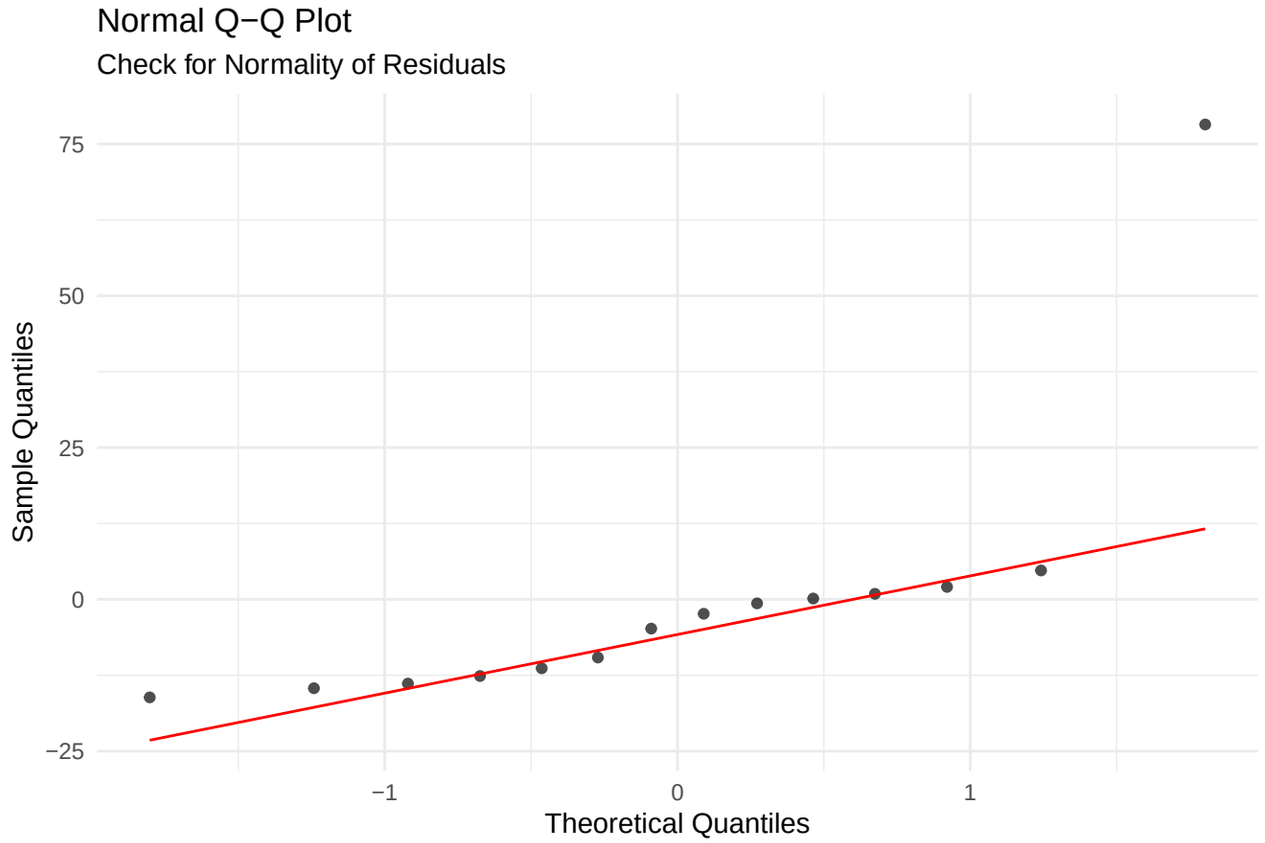


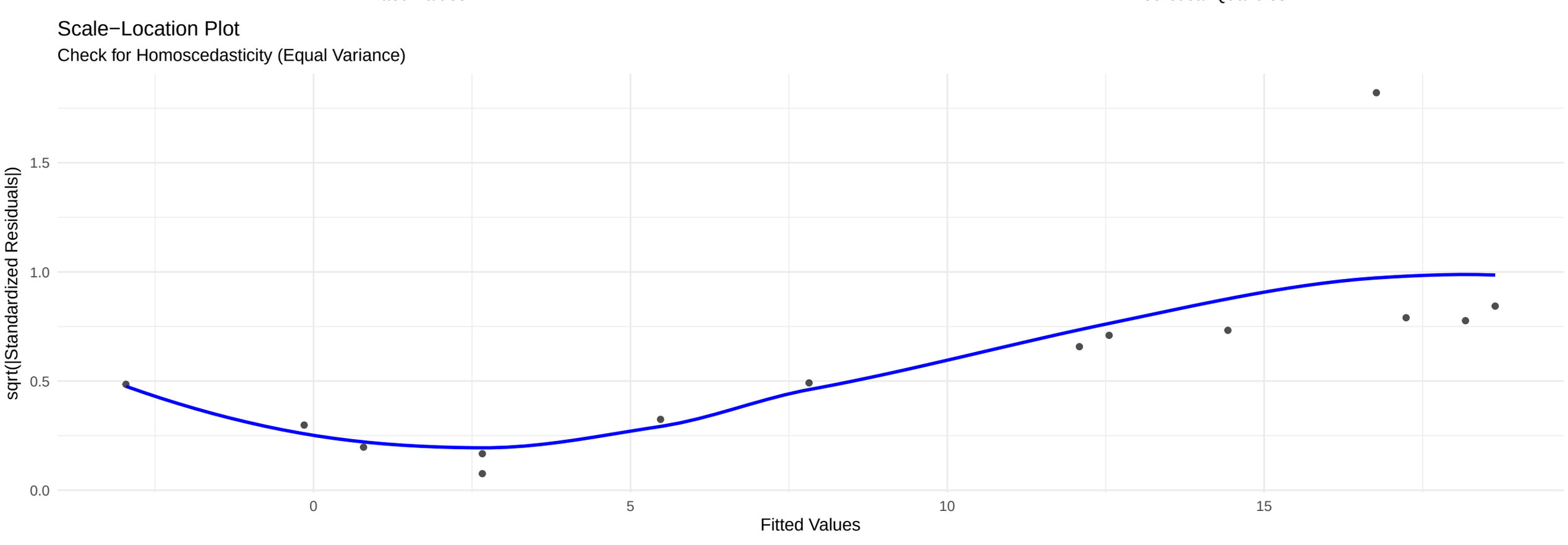


Diagnostics for: Volume Max (Post−Activity)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.6474)

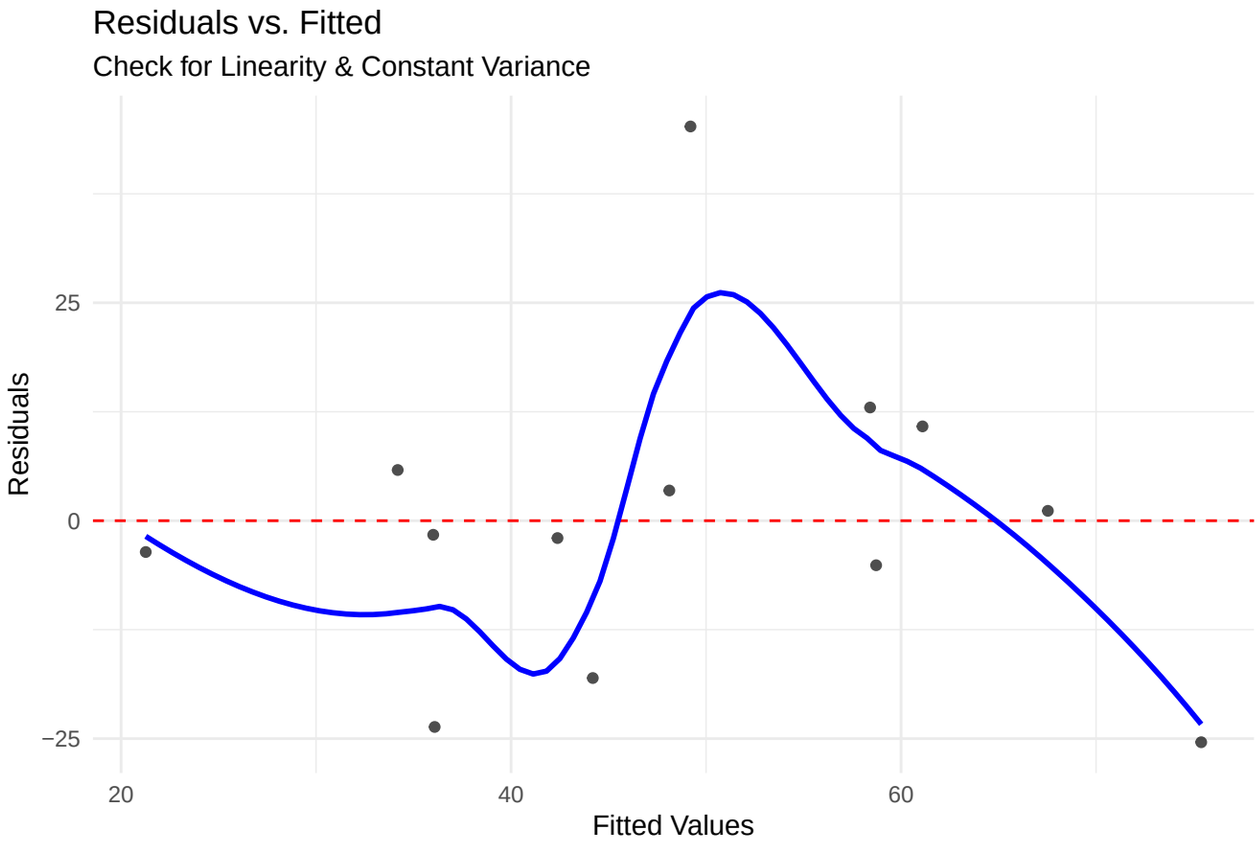


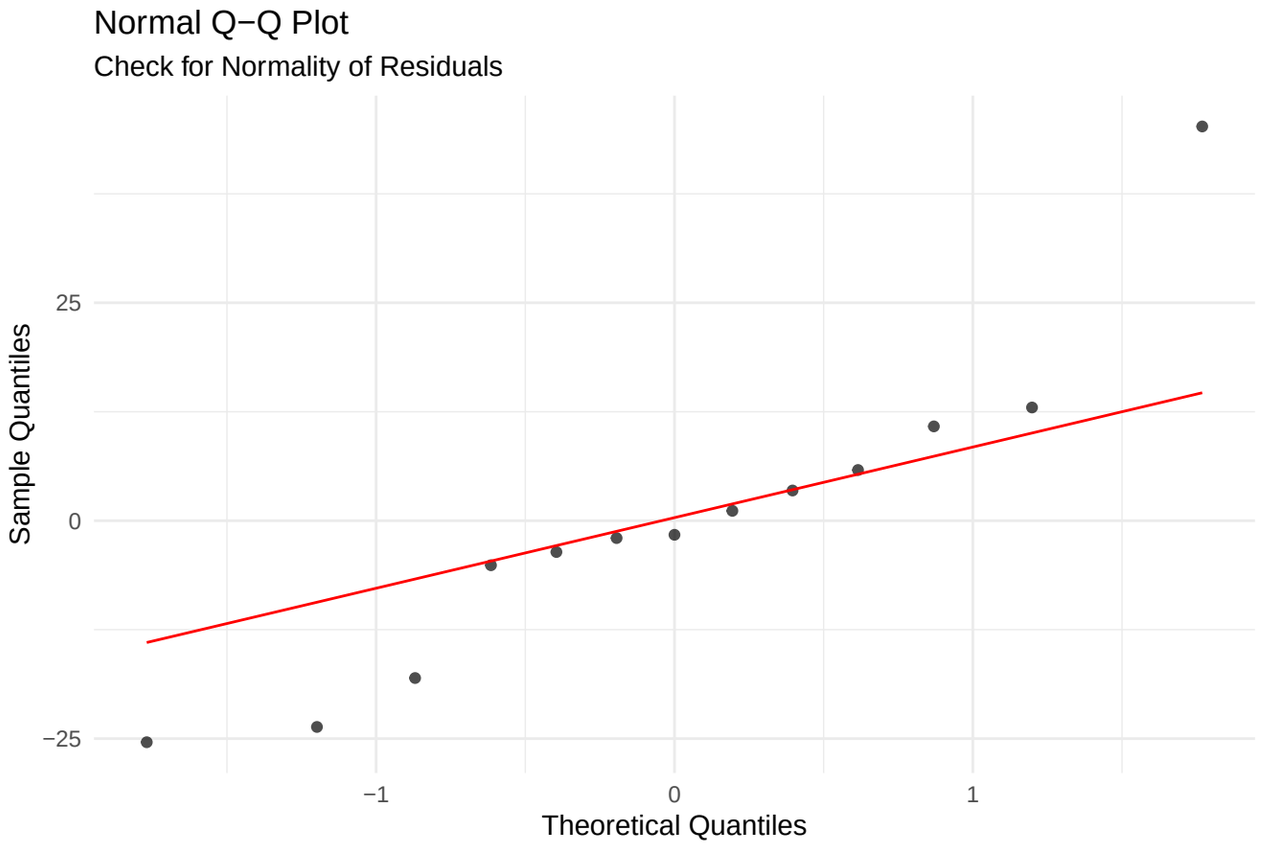


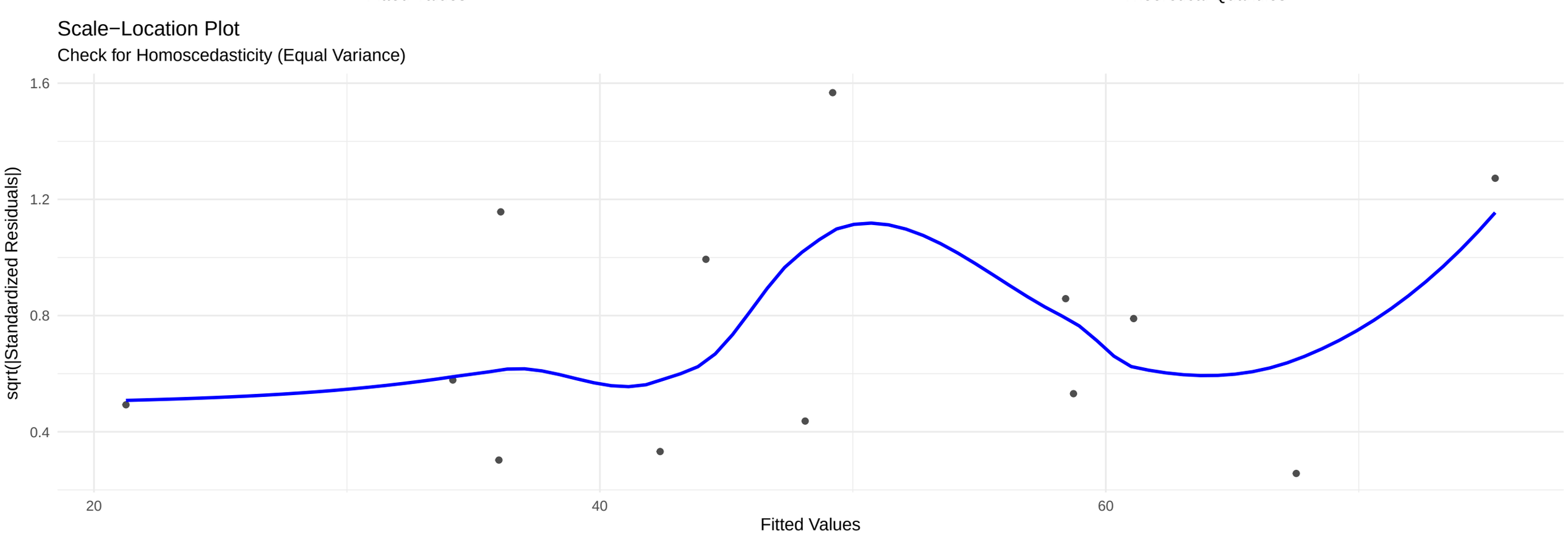


Diagnostics for: HRV SDNN

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

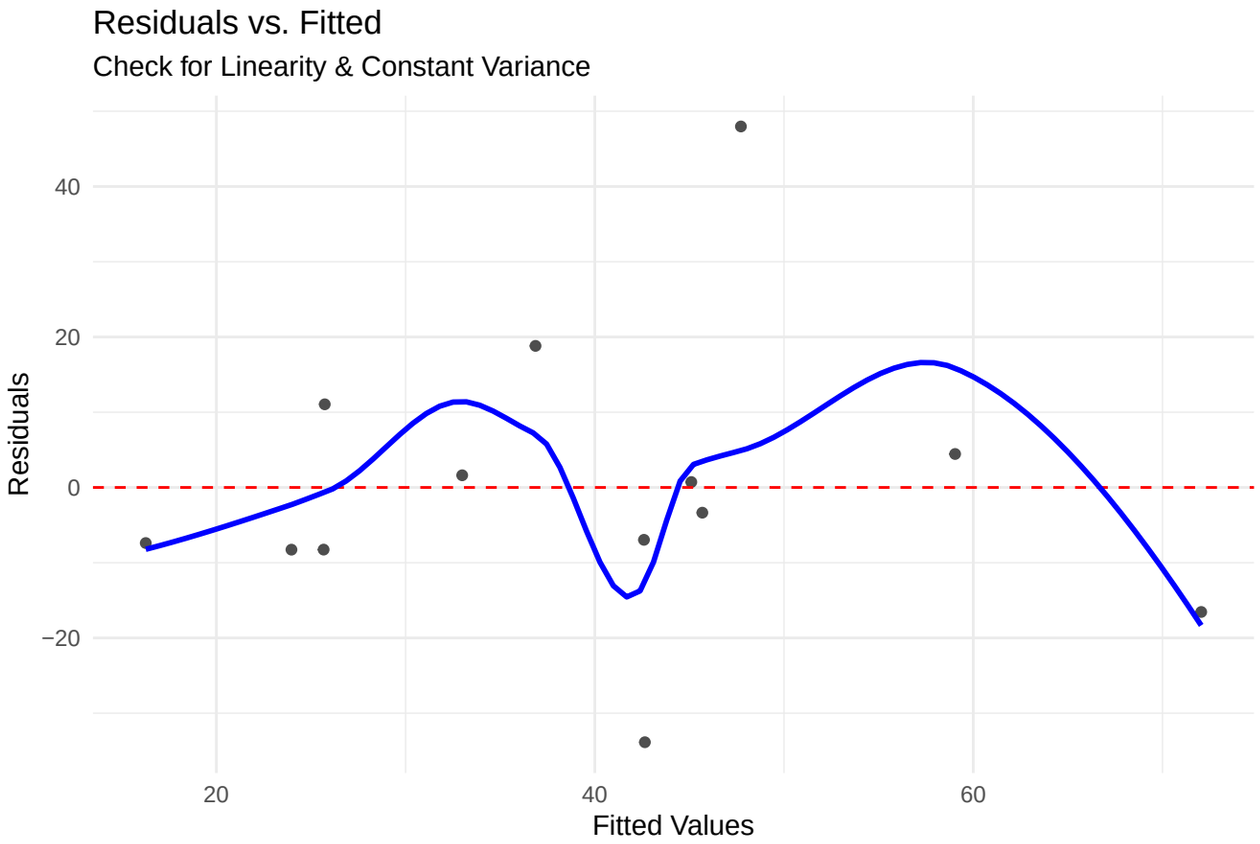


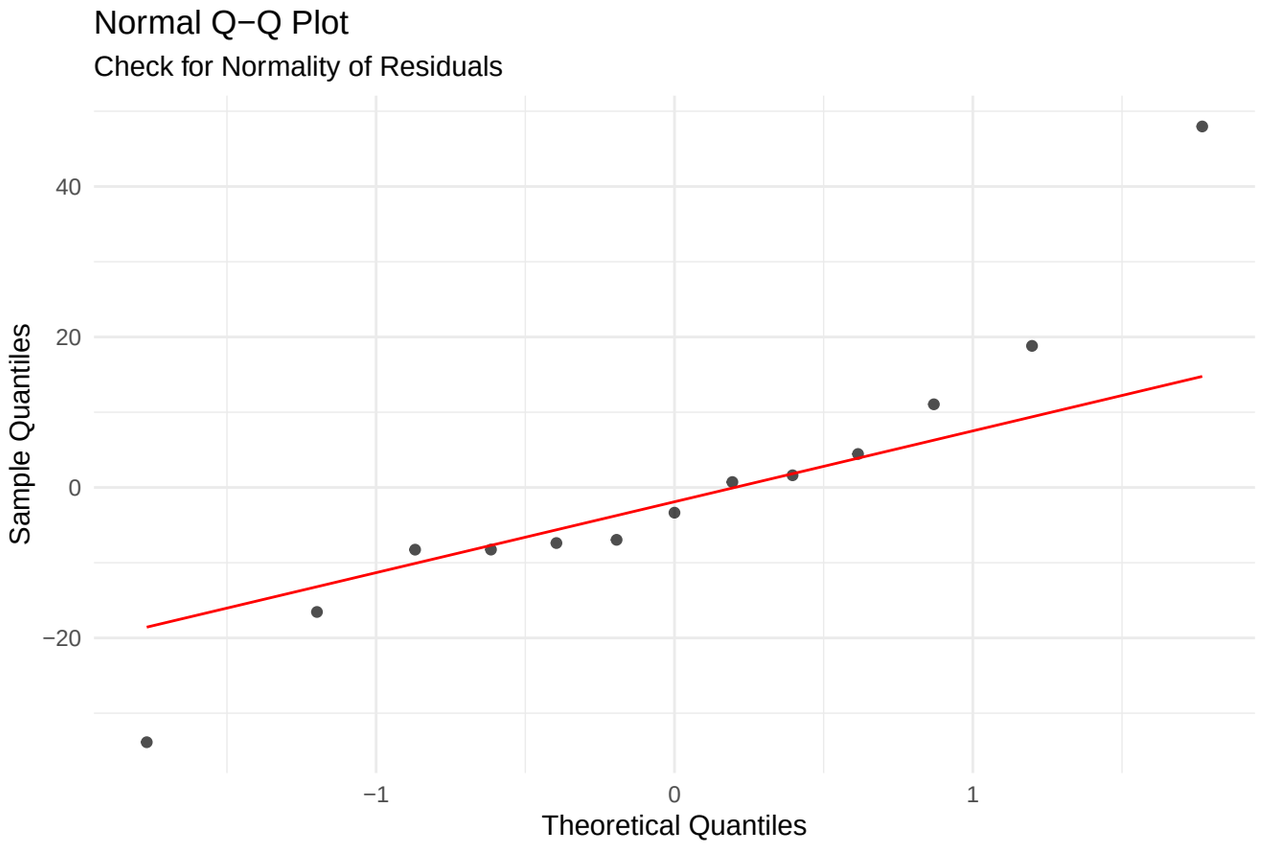


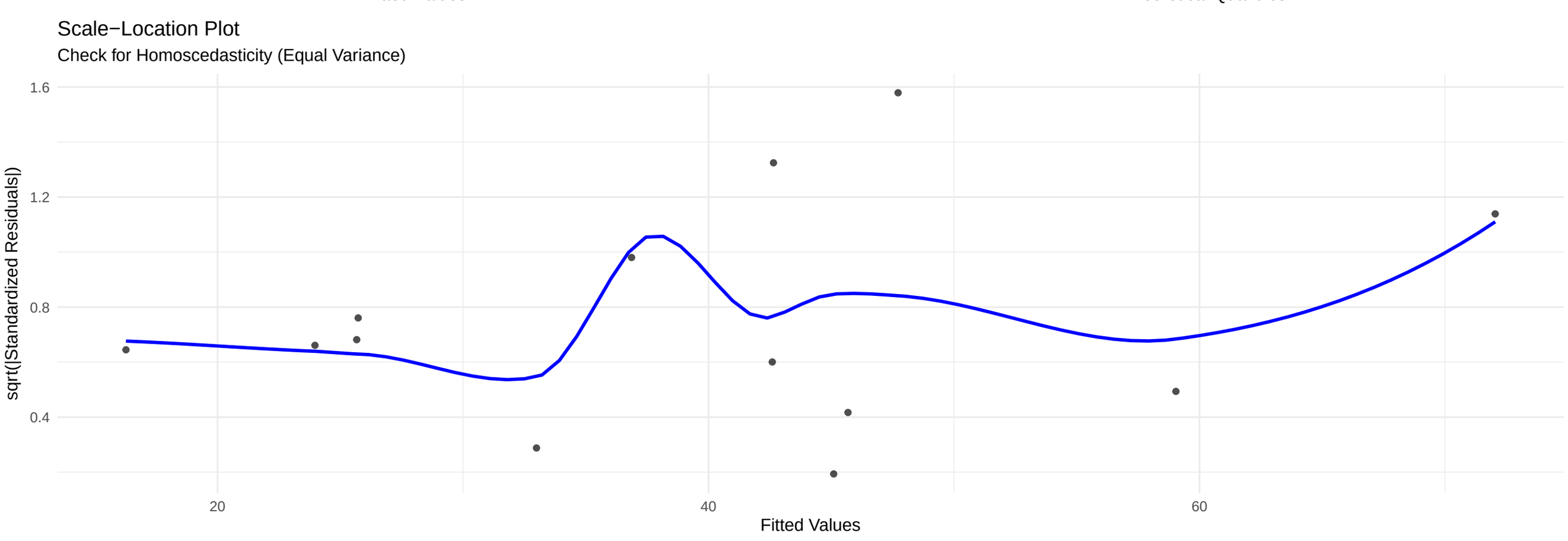


Diagnostics for: HRV RMSSD

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.347)

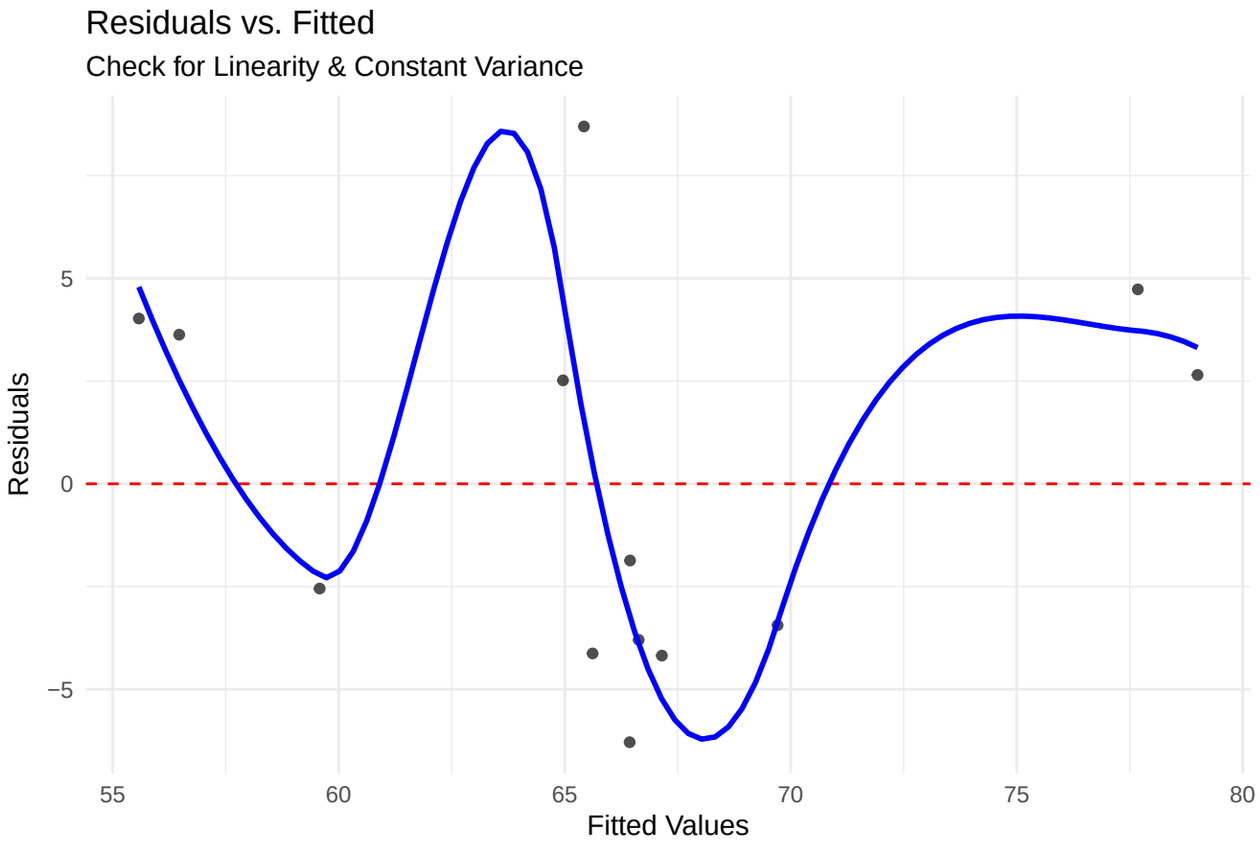


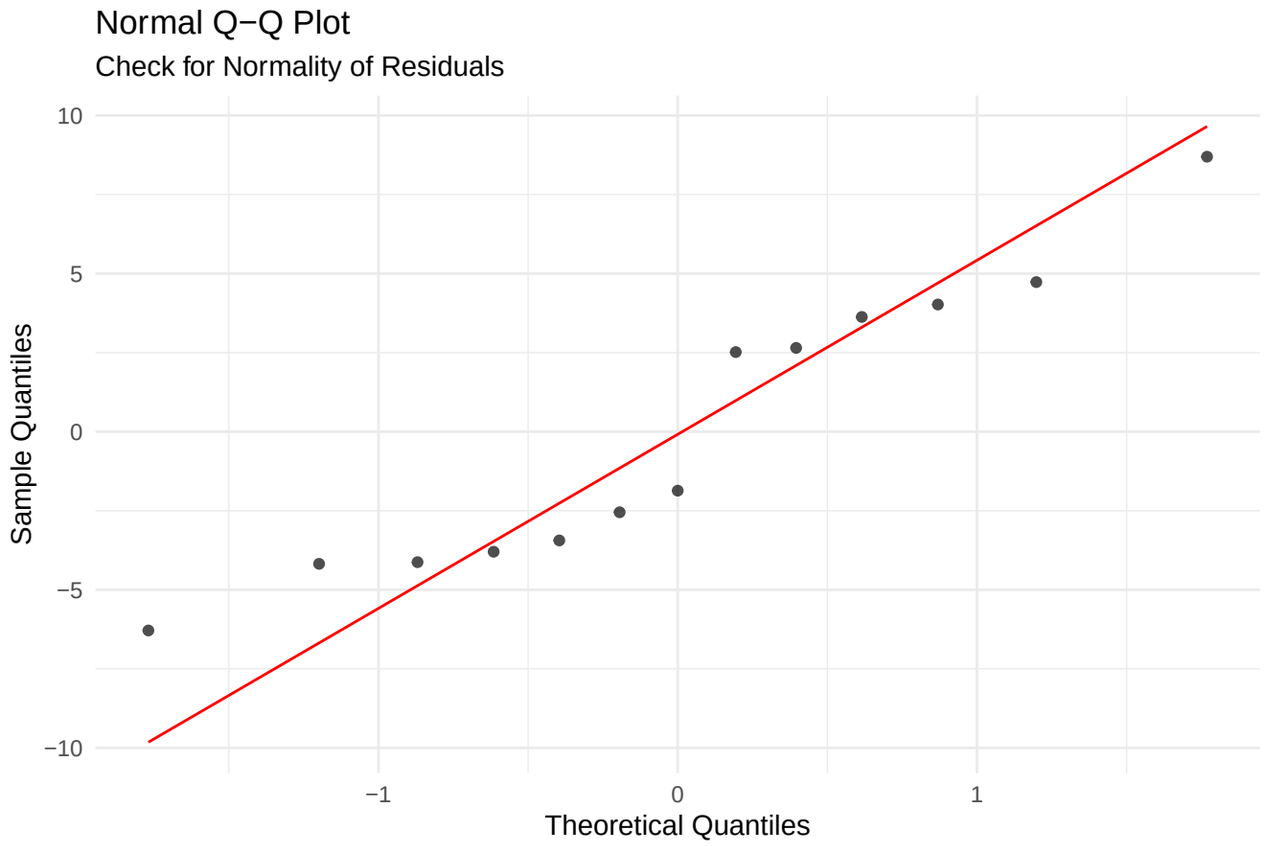


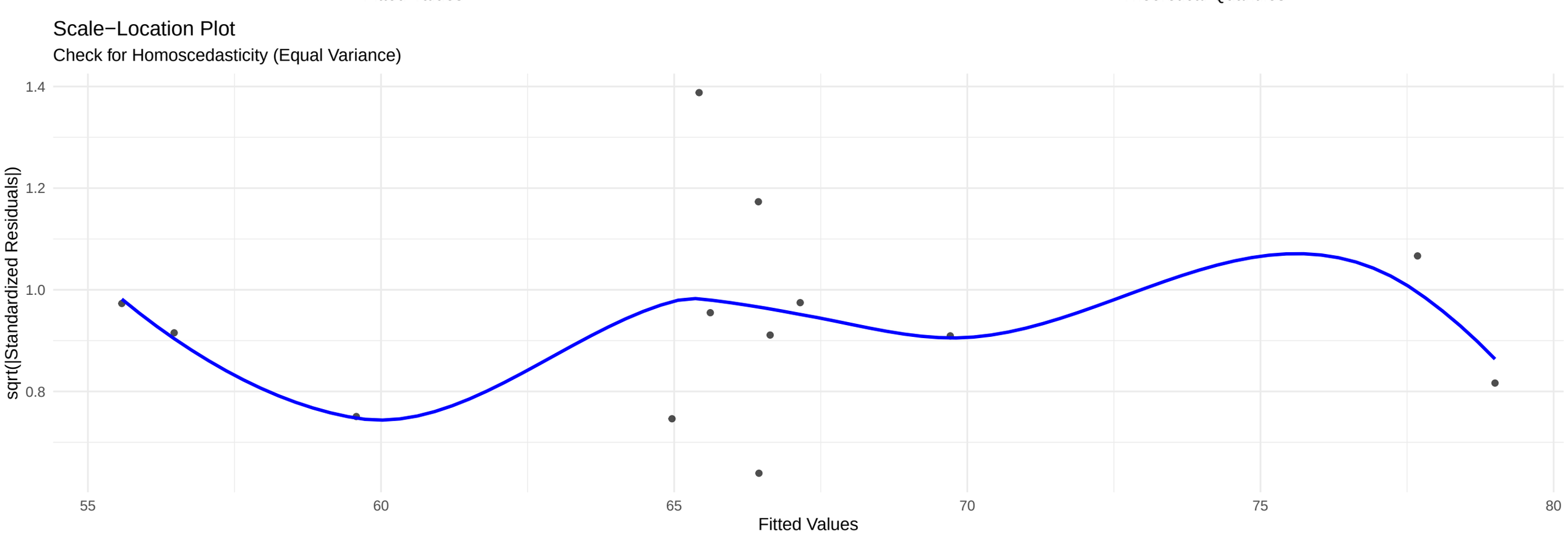


Diagnostics for: Heart Rate

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

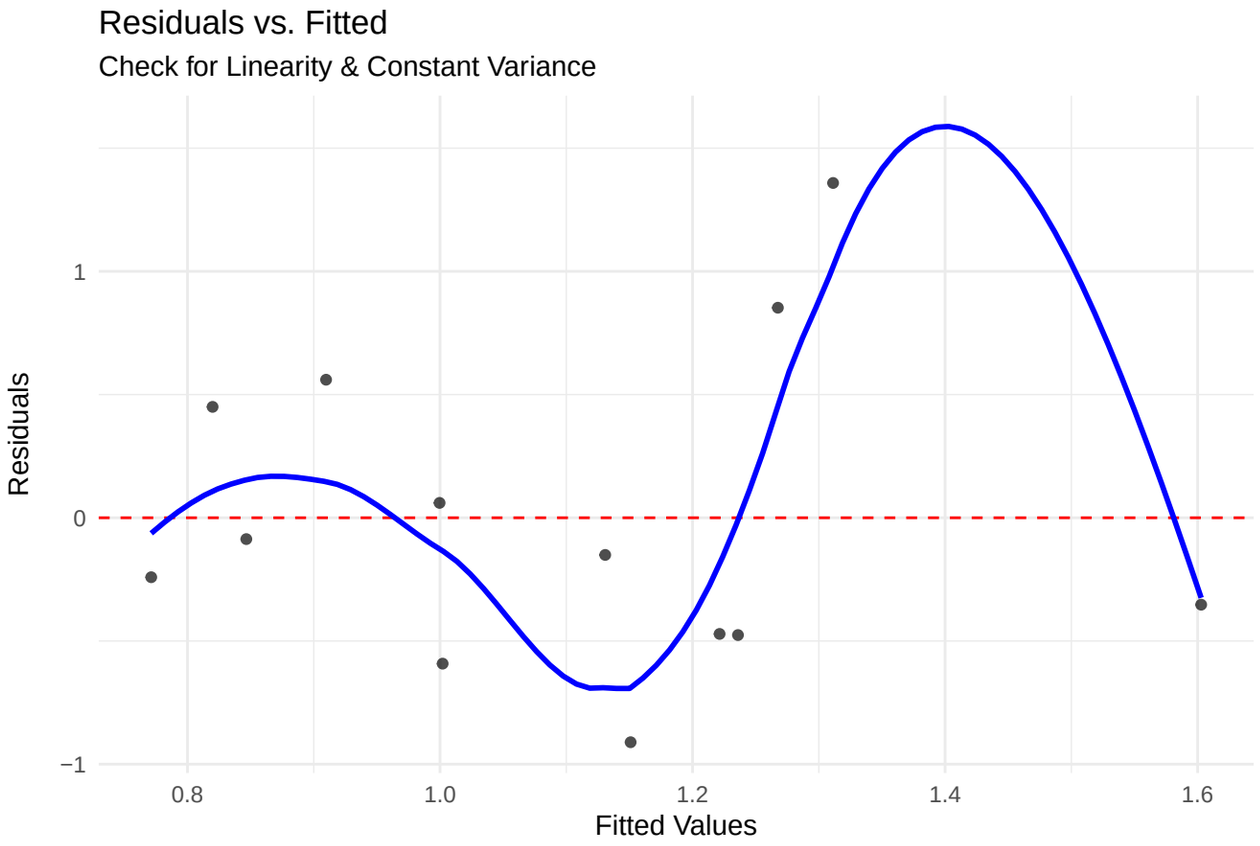


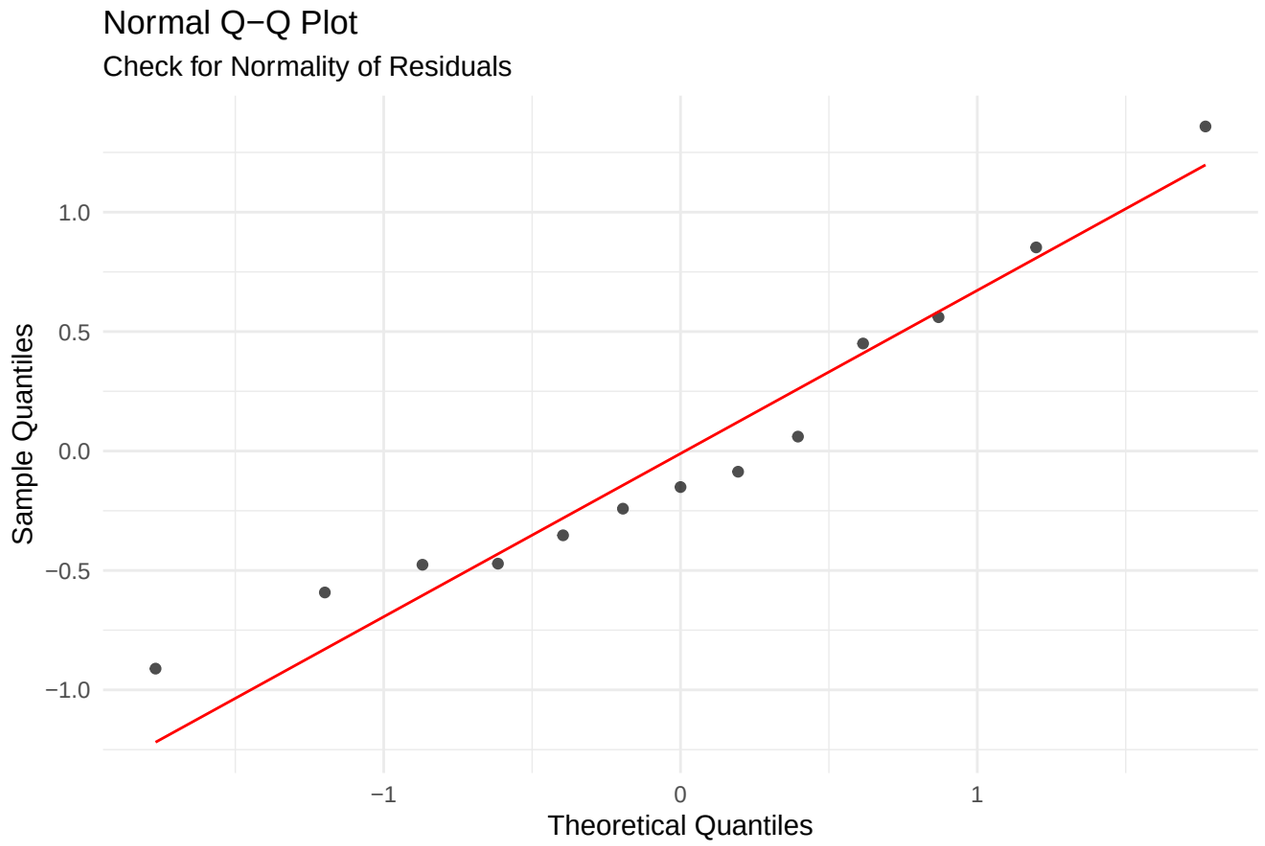


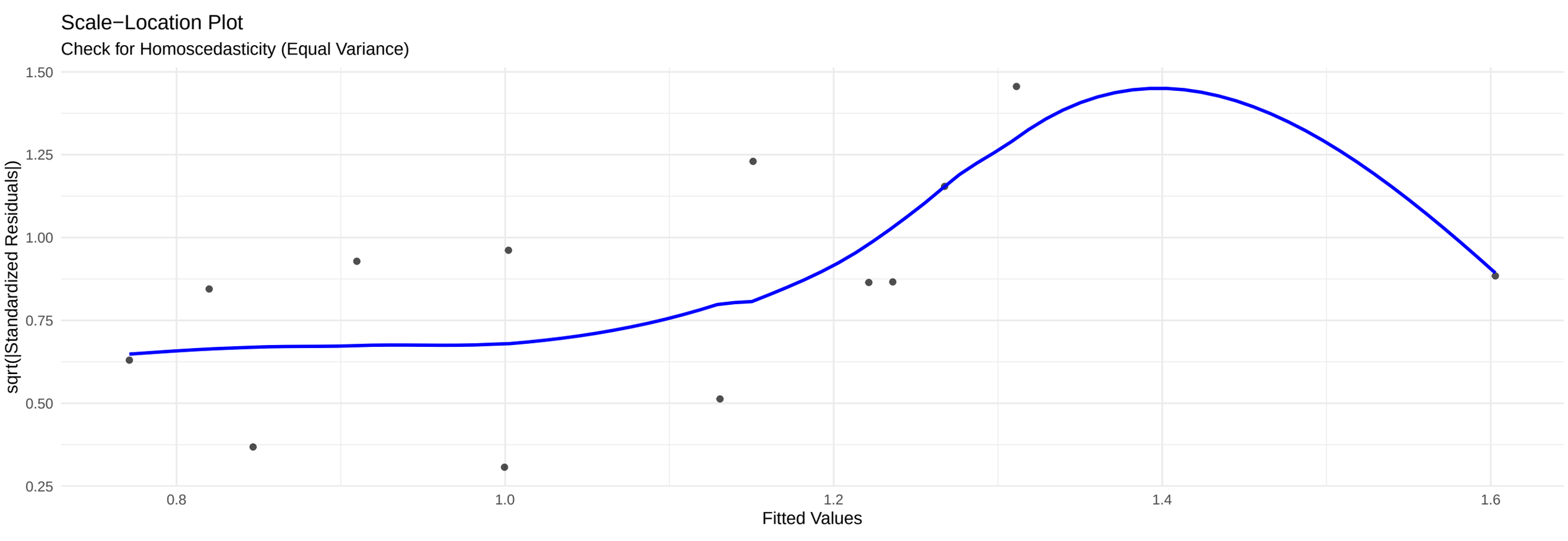


Diagnostics for: HRV LF/HF Ratio

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.6321)

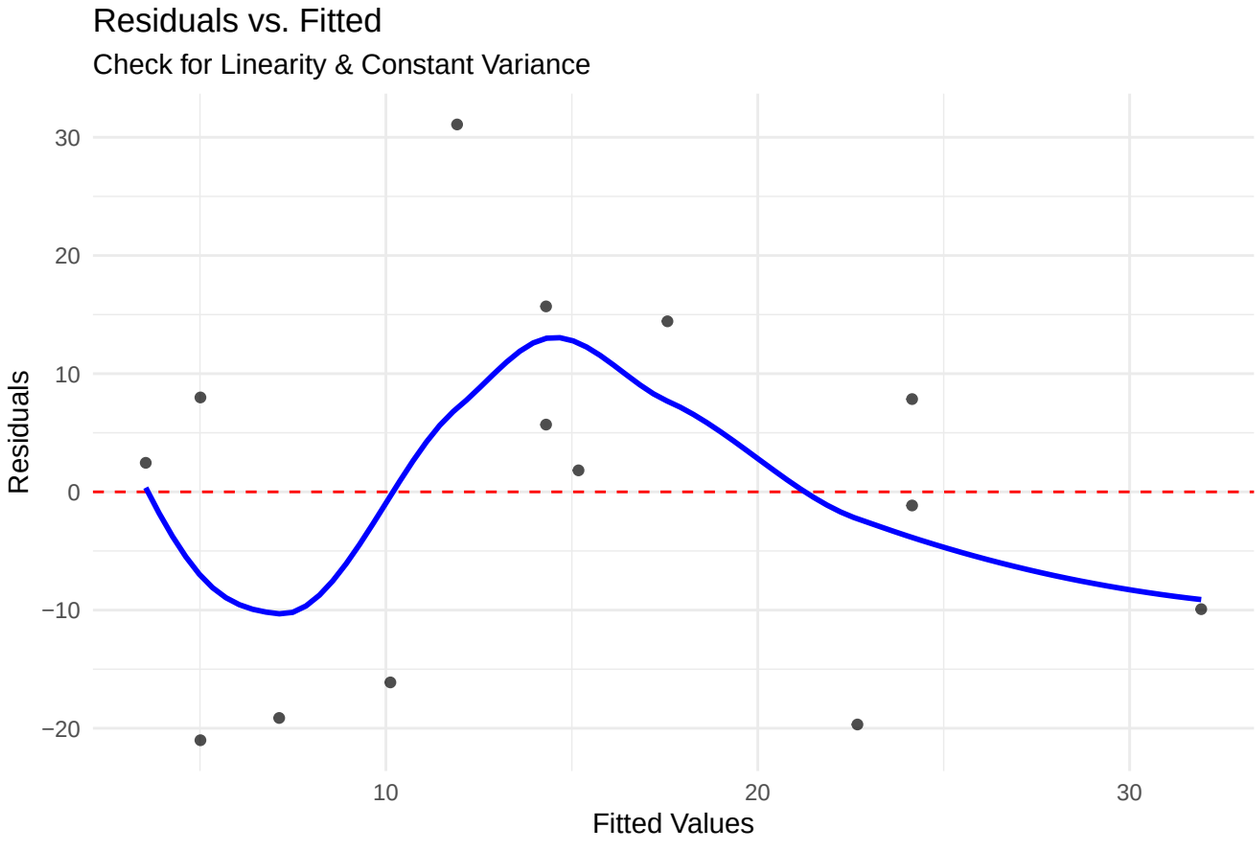


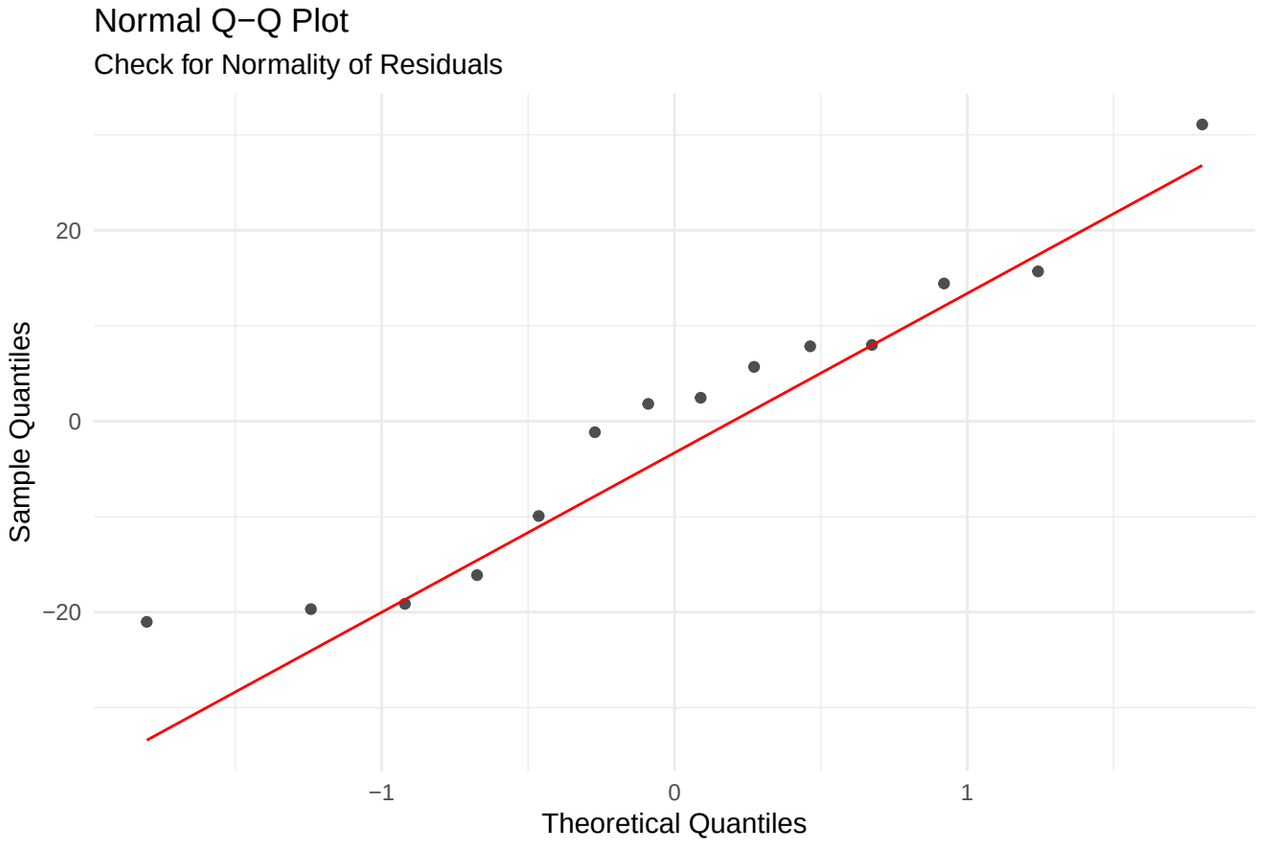


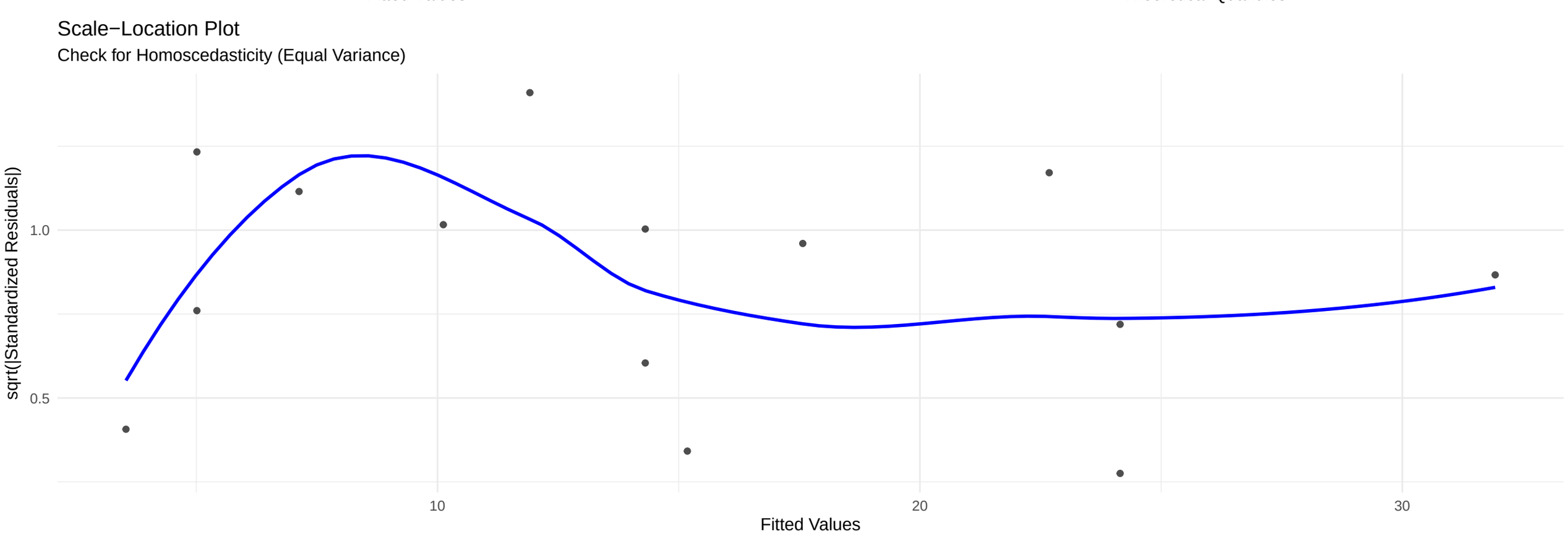


Diagnostics for: HRR 1

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.7934)

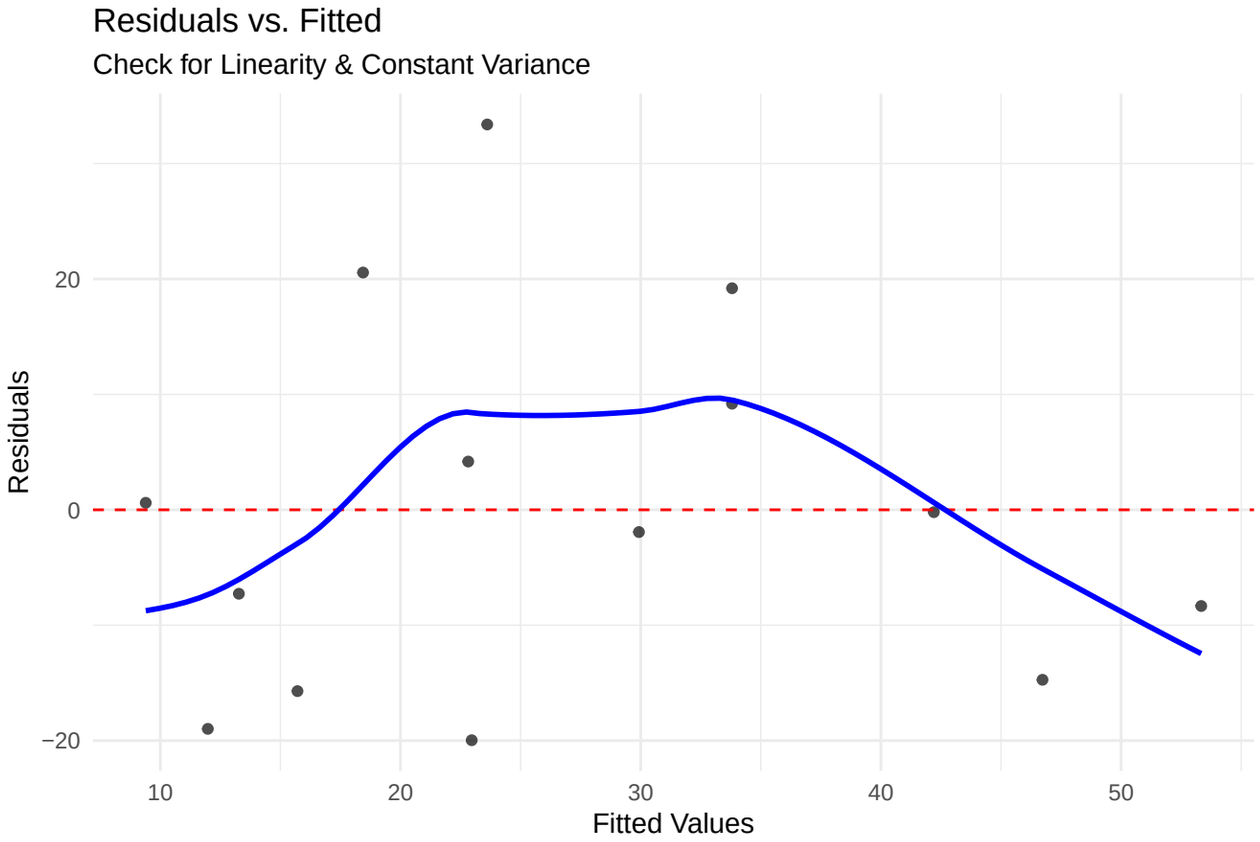


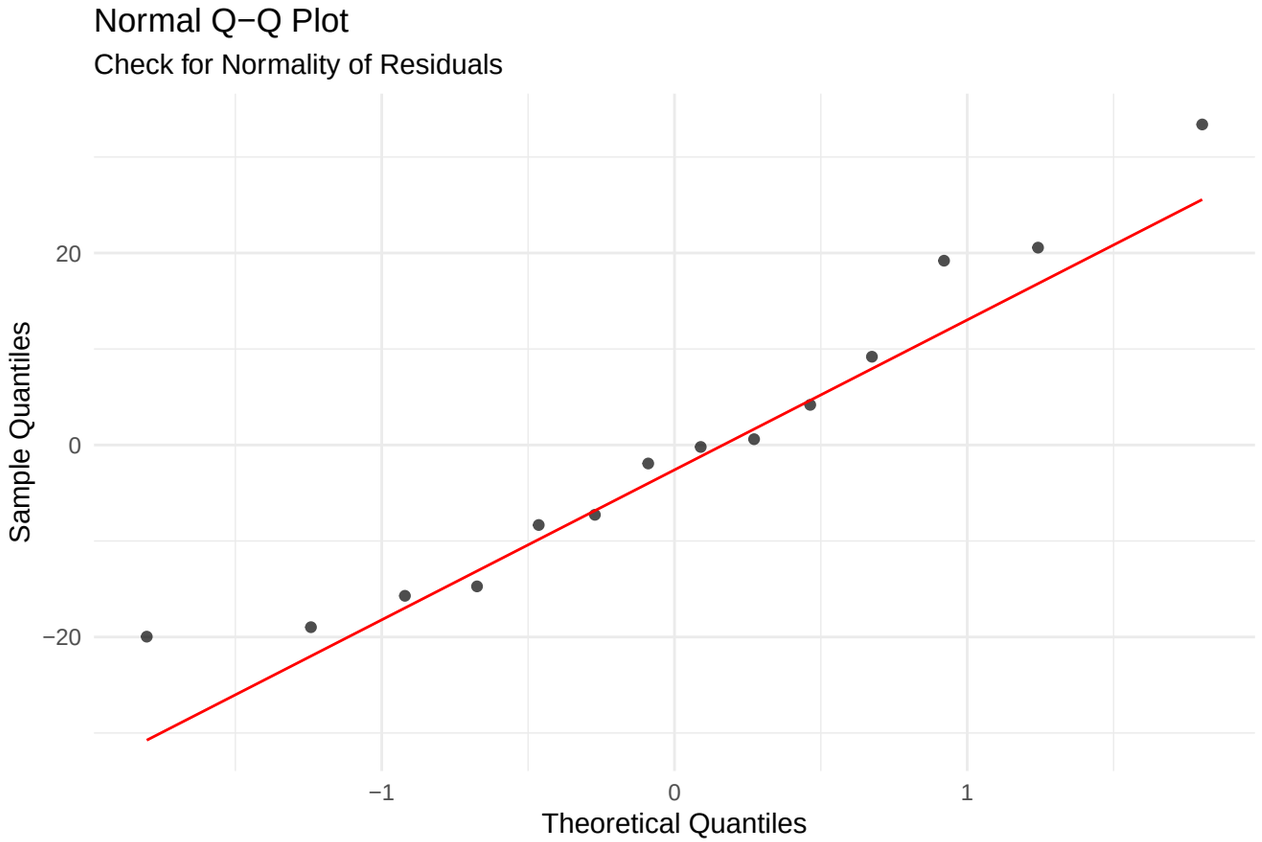


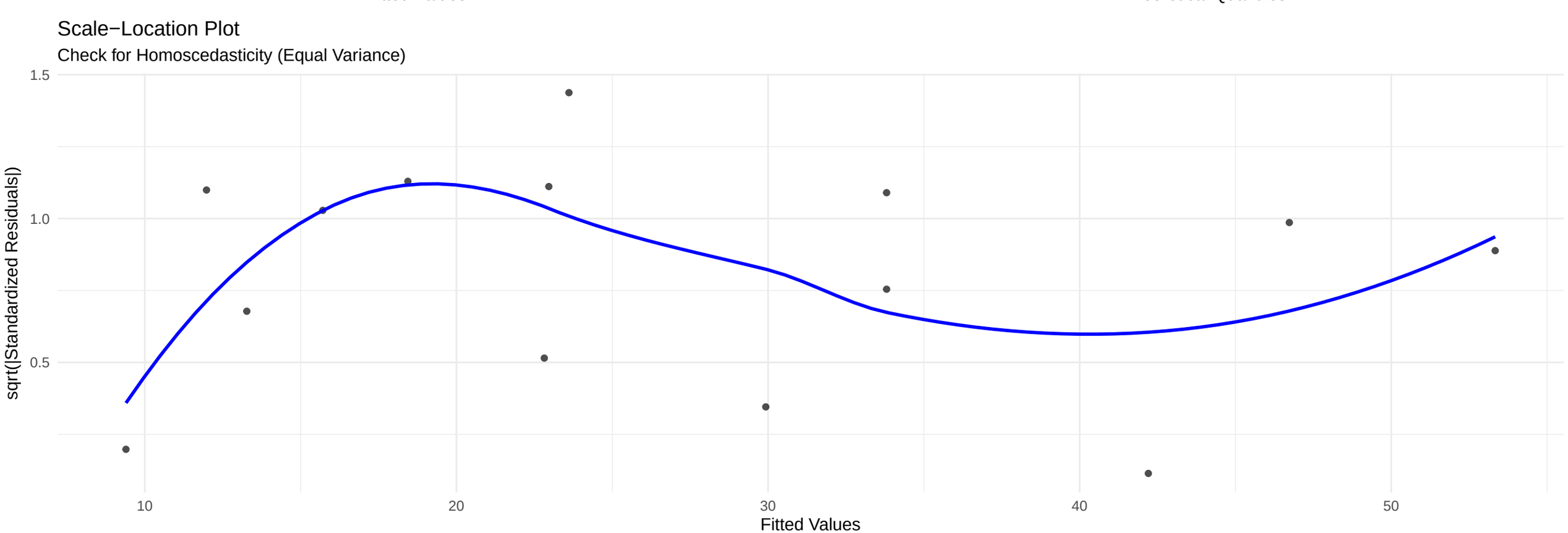


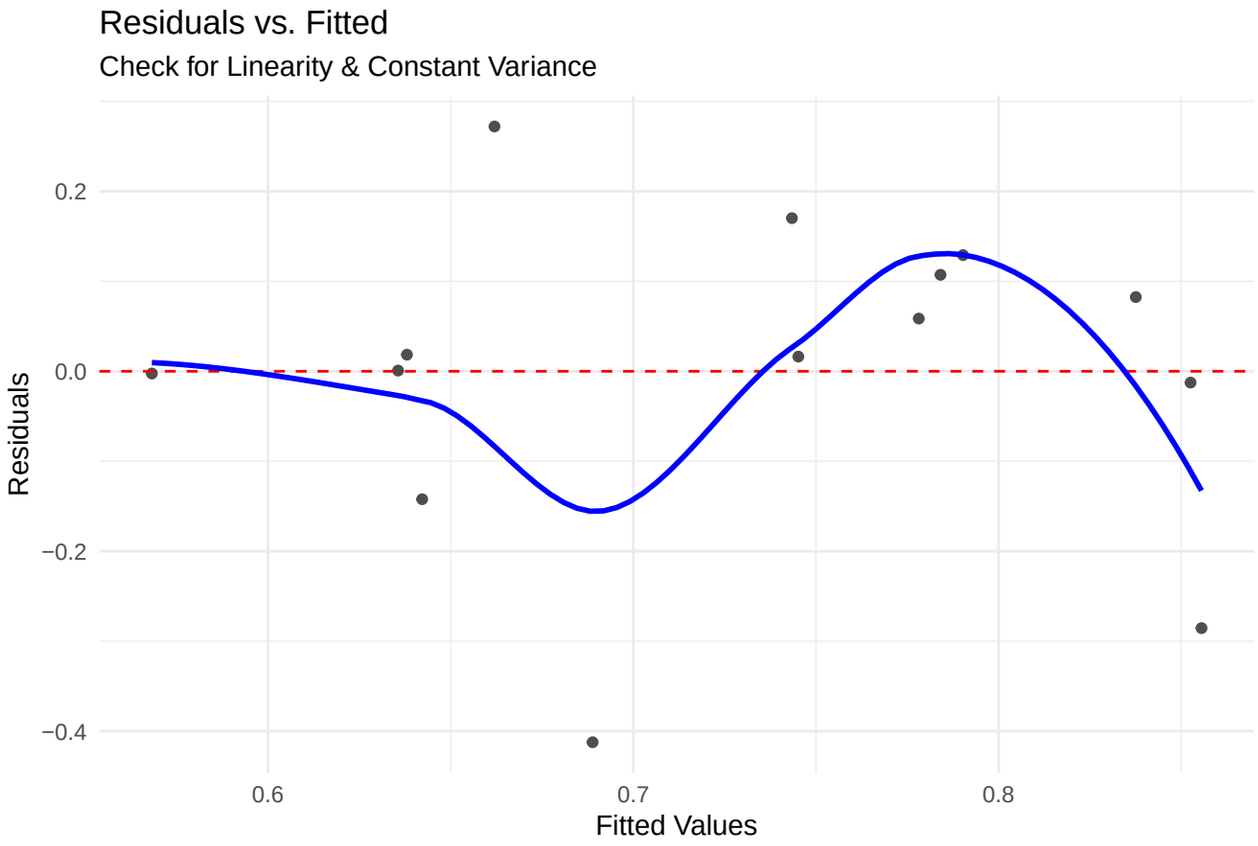
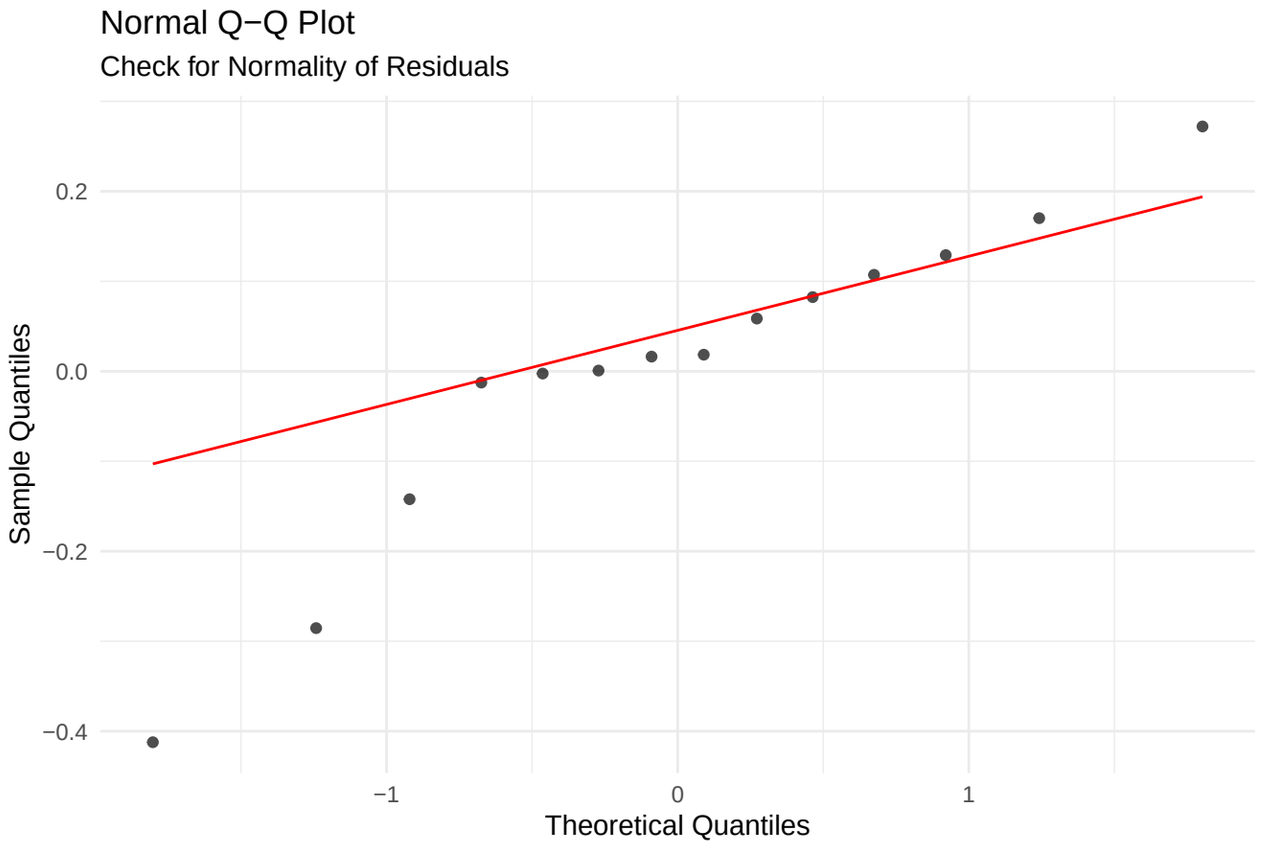
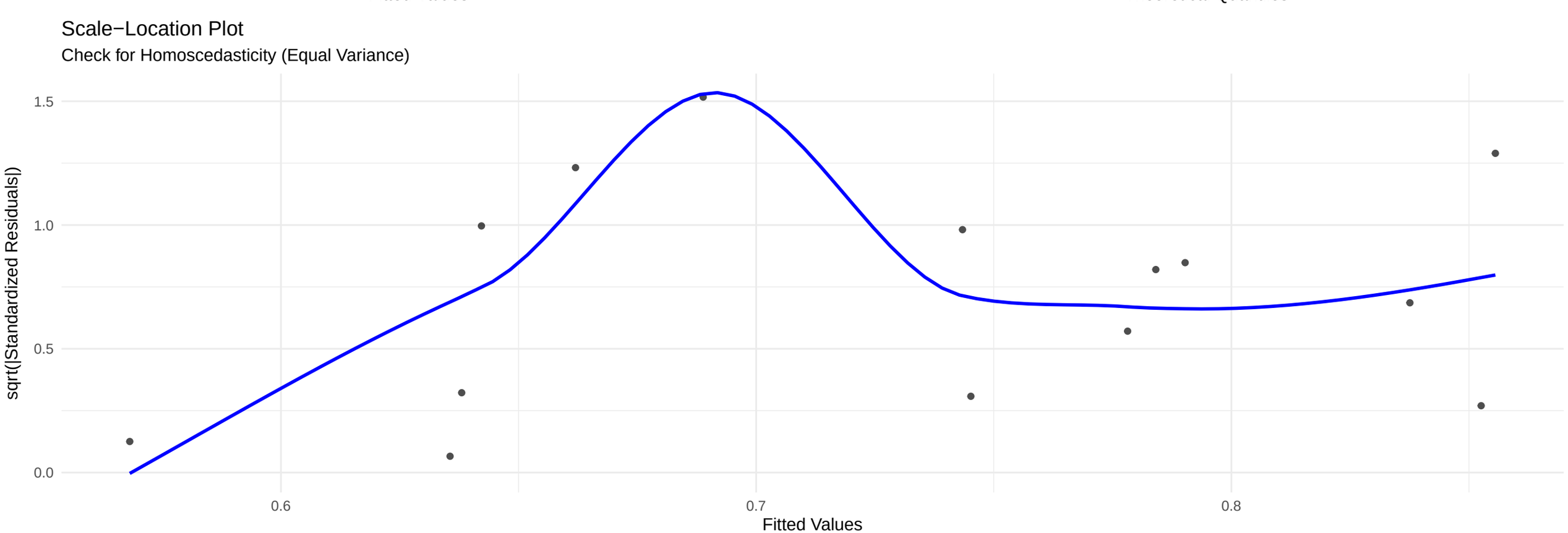
Diagnostics for: HRR 2

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.8927)







Diagnostics for: Chronotropic Index (CI)

Model WITHOUT Interaction (Standard ANCOVA) (Interaction p = 0.9064)