Linear regression assumptions: figures

Admin Córdoba de León September 2024

A: Linearity assumption satisfied: **B:** Linearity assumption violated: Residuals vs Fitted Residuals vs Fitted Residuals Residuals 0 ကူ -0.05 0.00 0.05 0.10 -2 0 6 Fitted values Fitted values 0.9 0.9 Residuals vs Fitted 1000 Residuals 200 500 1000 2000 2500 1500 Fitted values Im(Sleepyyy2 ~ Turkeyyy2)

Figure 1: Violations to linearity assumption $\,$

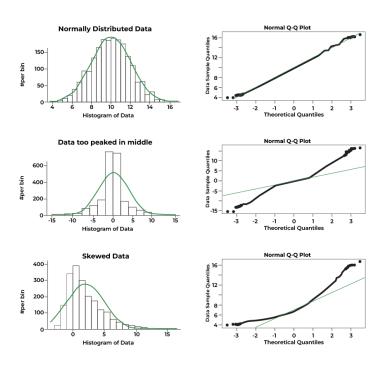


Figure 2: Violations to normality assumption

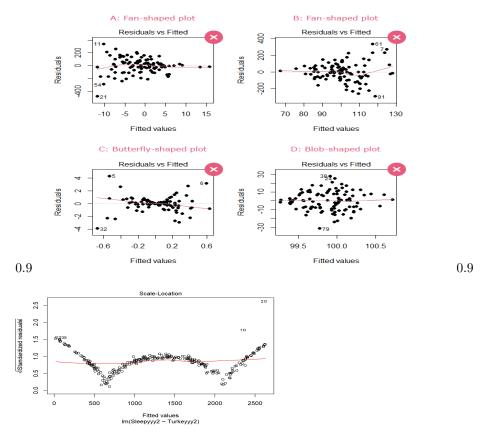


Figure 3: Violations to homoscedasticity assumption

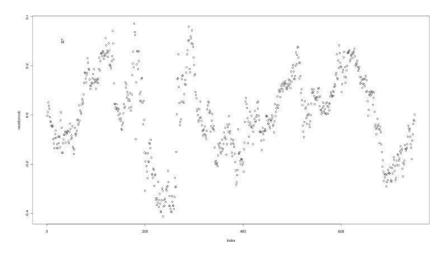


Figure 4: Violations to non-autocorrelation assumption