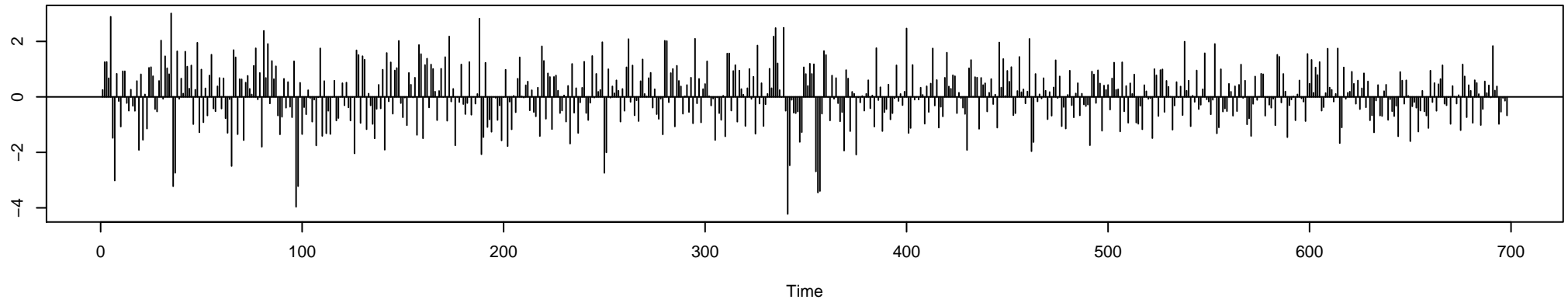
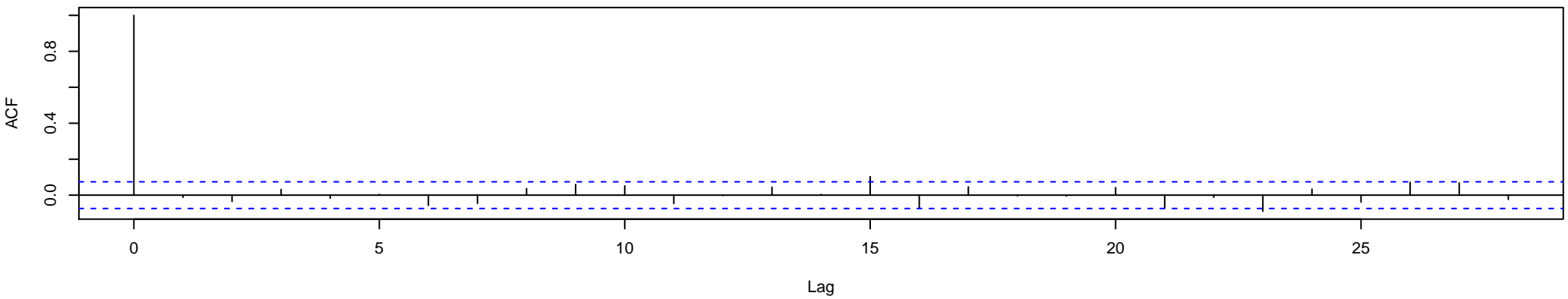


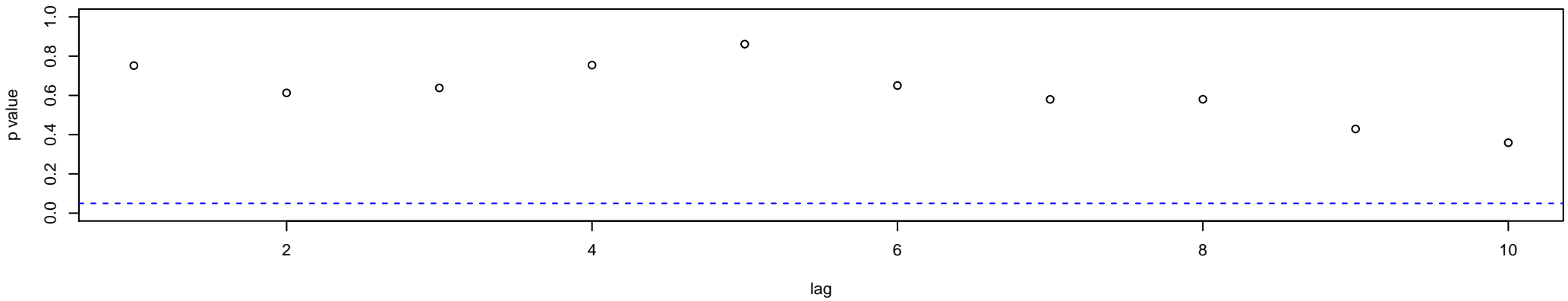
**Standardized Residuals**

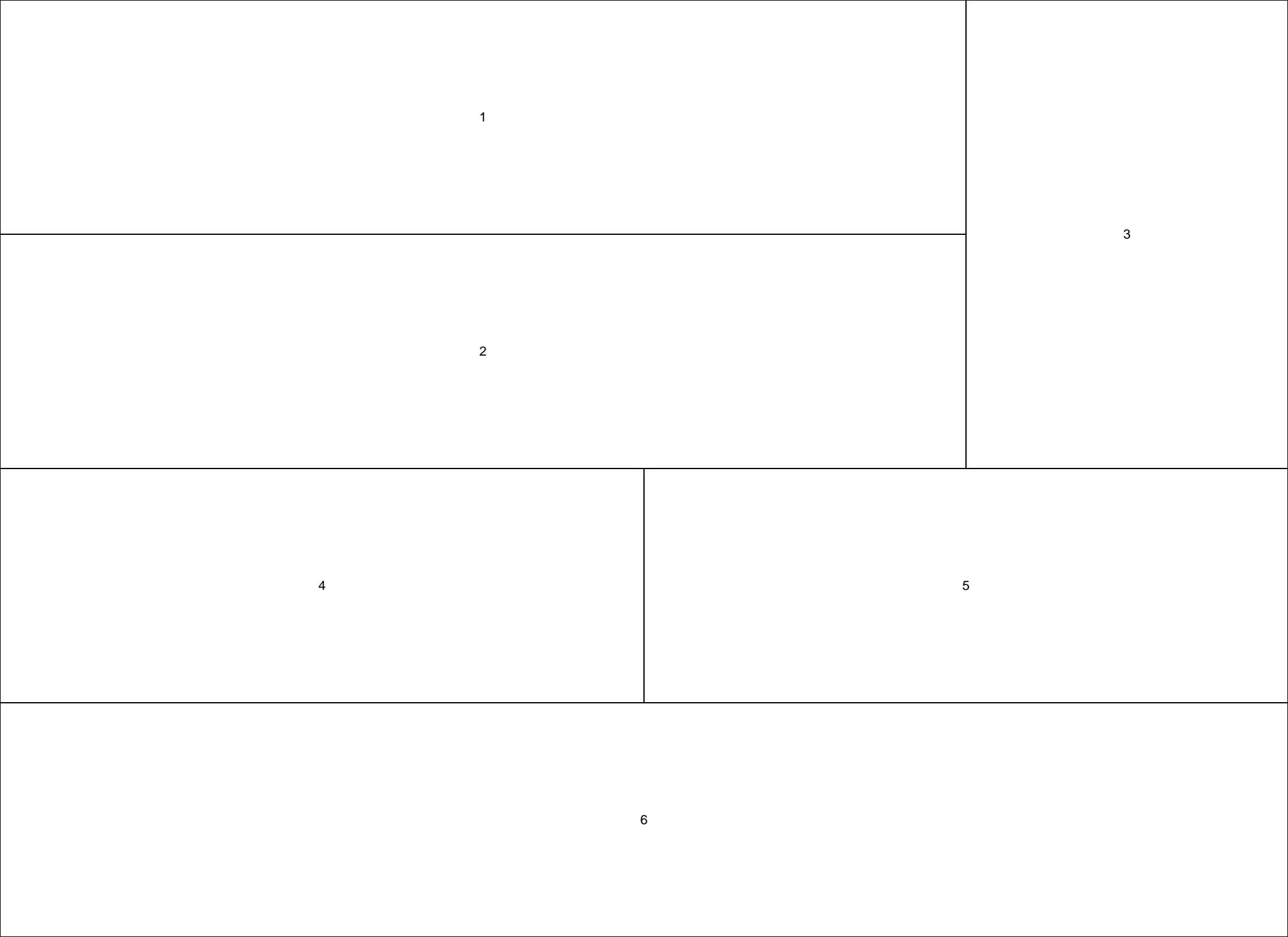


**ACF of Residuals**



**p values for Ljung–Box statistic**





1

3

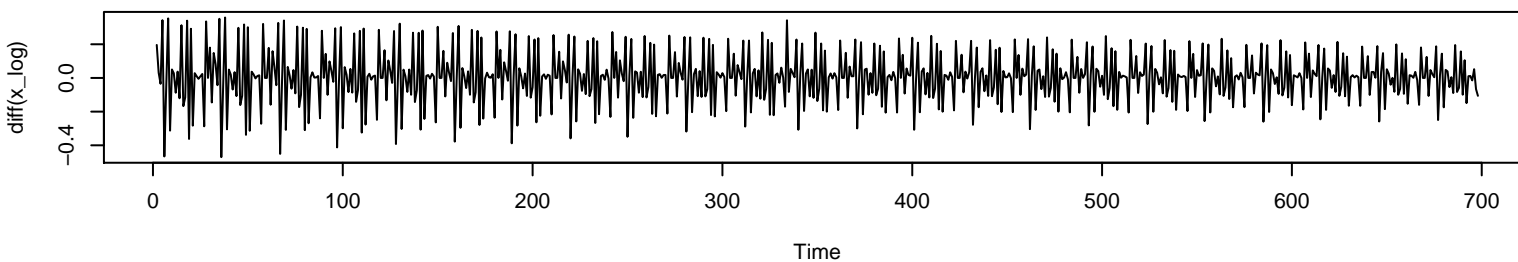
2

4

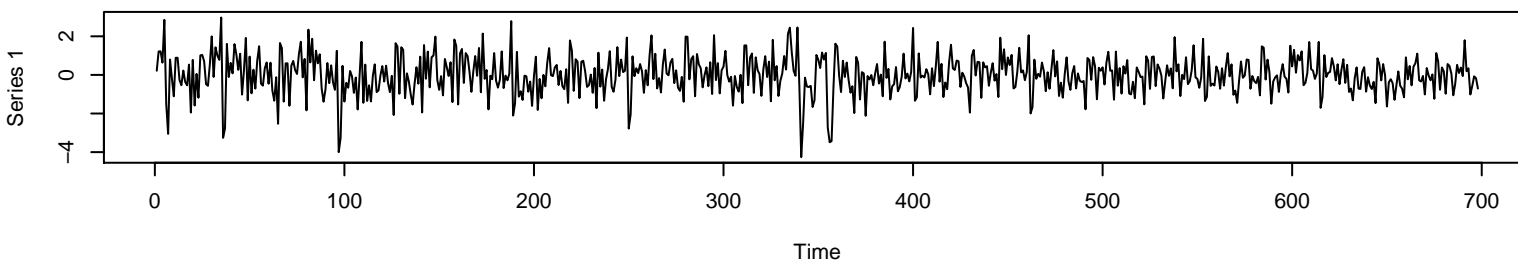
5

6

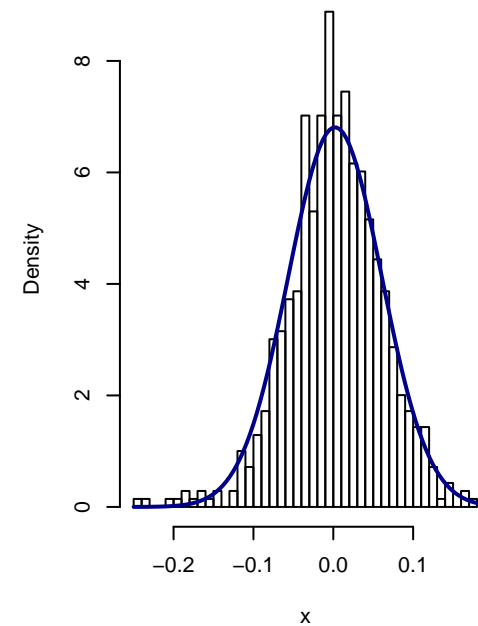
**T1: input signal:  $\text{diff}(\log(\text{transaction\_count}))$**



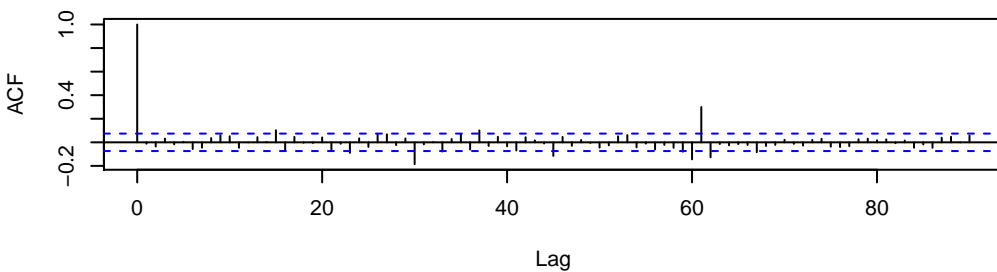
**T2:  $\text{std.residuals}(\text{fitted\_arma\_model})$**



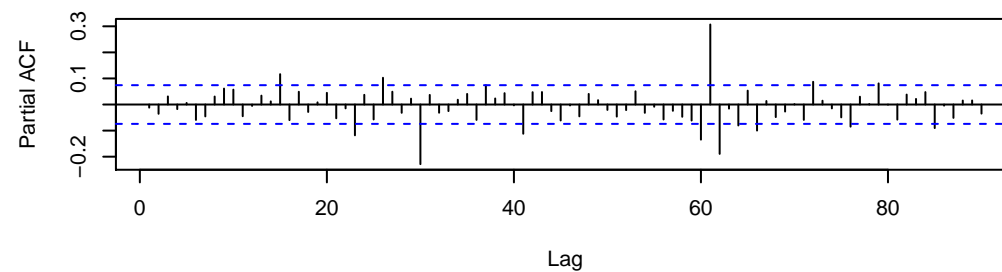
**T3: histogram of fitted\_arma\_model resid**



**T4: acf of arma residuals**



**T5: pacf of arma residuals**



**T6: input signal along with forecast values**

