Guidelines for Modeling Using ARIMA

1. Trend suggests differencing
2. Variation in variance suggests transformation (common transform log then differencing also known as log return)
3. ACF suggests order of moving average process MA(q)
4. PACF suggests order of autoregressive process AR(p)
5. Assess model quality using some criterion (e.g. Akaike Information Criterion (AIC), Sum of Squared Errors (SSE), Ljung-Box Q-statistics)