STAT4870 Chapter 1 HW

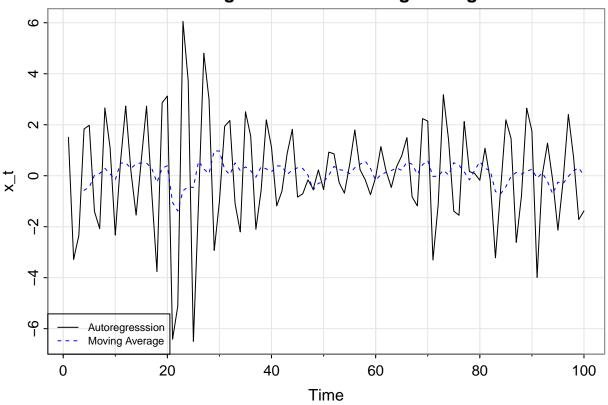
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2024-08-23

Question 1.1

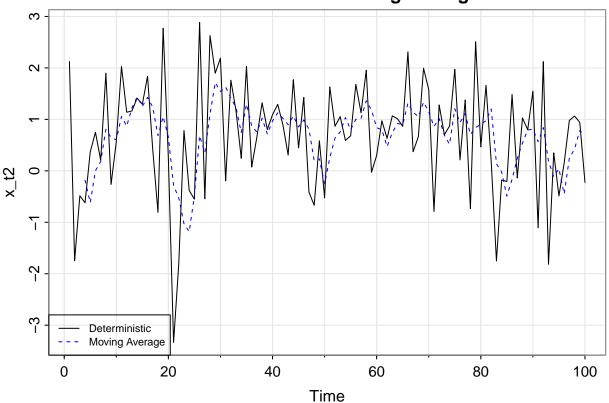
a.)

Autoregression and Moving Average



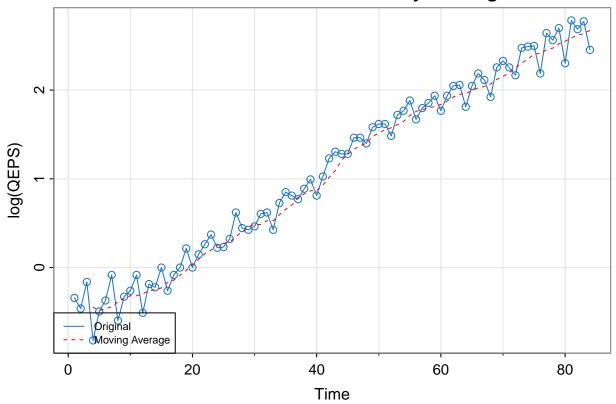
b.)

Deterministic and Moving Average



c.)

Johnson & Johnson Quarterly Earnings



- d.) A seasonal adjustment is a statistical technique designed to even out periodic swings in statistics. It can eliminate misleading seasonal components of a time series data.
- e.) I learned more about the coding process of a time series data and learned what does the command filter do in R as I used to not get what exactly does the filter command do. In addition, I learned on what to look for when looking at a time series data like is the data homogeneous, what is the general trend of the data, and what transformation can we do to make the data homogeneous.