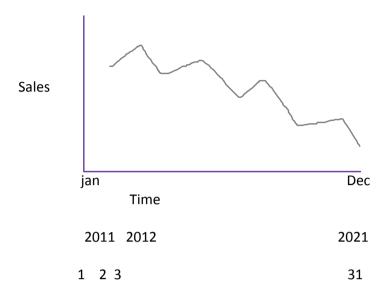
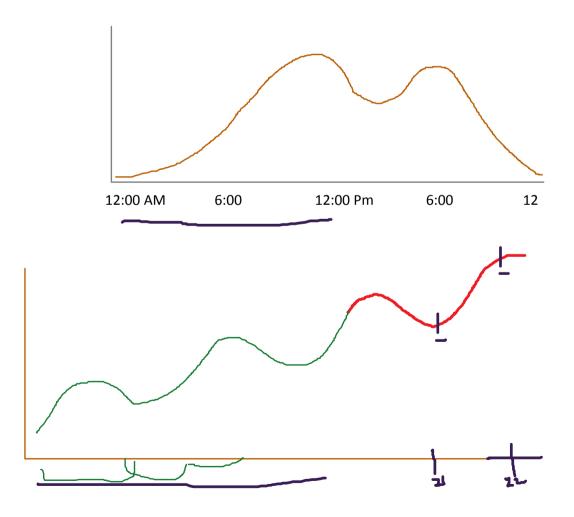
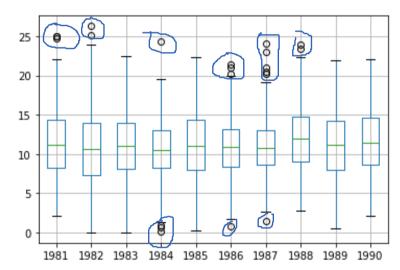
Time series data and cross sectional data





25 - Temp
20 - Solen clipping taker 13-05-201212:13
15 - 10 - 5 - 0 - 1981-01-01982-05-11083-09-2885-02-11086-06-2587-11-01989-03-22990-08-04
Date

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$$Y = Mx + C$$

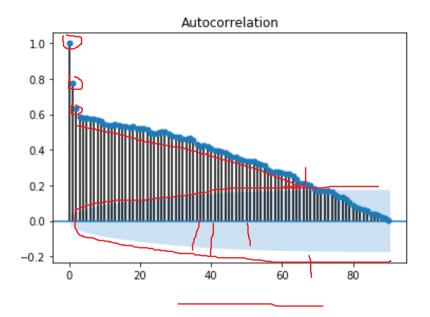
$$Yt = M.Yt-1 + C$$

$$Yt+1 = M.Yt + C$$

$$Yt = M.Yt-2 + C$$

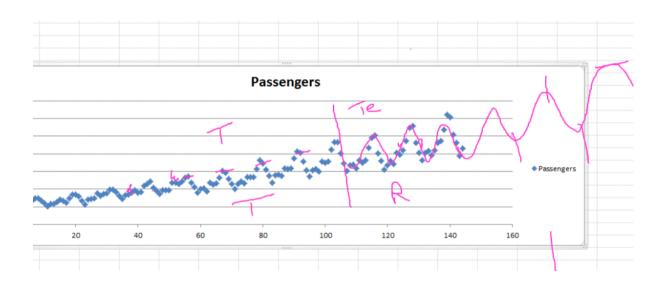
$$Yt = M1.Yt-2+ M2.Yt-1 + C$$

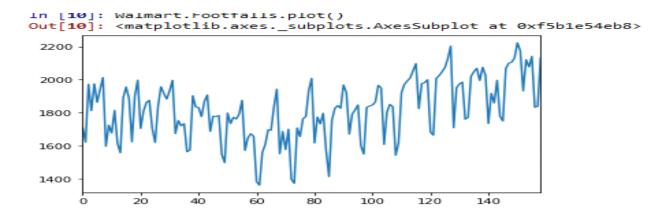
If we check the relationship between the rows/samples then we will called it is "Auto correlation"



Resampling involves changing the frequency of your time series observations. Two types of resampling are:

- Up sampling: Where you increase the frequency of the samples, such as from minutes to seconds.
- Down sampling: Where you decrease the frequency of the samples, such as from days to months.





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