



* How to Conver non-Stationary time series date to Station
time Series date.
Differencing.
(D) log transfortation - take the log of value
3 root -> take the sq root of value
D log transfordnation — take the log of value  3 root — take the sq root of value  5 seasonal adjust med.  ART MA
ARIMA
Differentry = Jt - Jt-1  (went) (Previous)  Month Price Ist-differency 2nd order differency 3nd order for differency  Jan 5 NA NA NA differency
Month Price Ist differency 2nd order differency 3rd order for differency
Jan 5 NA NA NA differency
Feb 10 10-5=5 NA
Mar 6 $6-10=-4$ $-4-5=9$
Apr 8 $8-6=2$ $2-(-4)=6$
May 16 2 3-2-5
June 7 -8 -15
June 3 -8 -15 check Stationary
After differencing theck if TS is Stationary Statistest (ADF) Visualisation.
Stats test (ADF)
Visualisation.
> if Stationary build the model
de de différencie
again and
untill jan get
a stationary Ts.

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