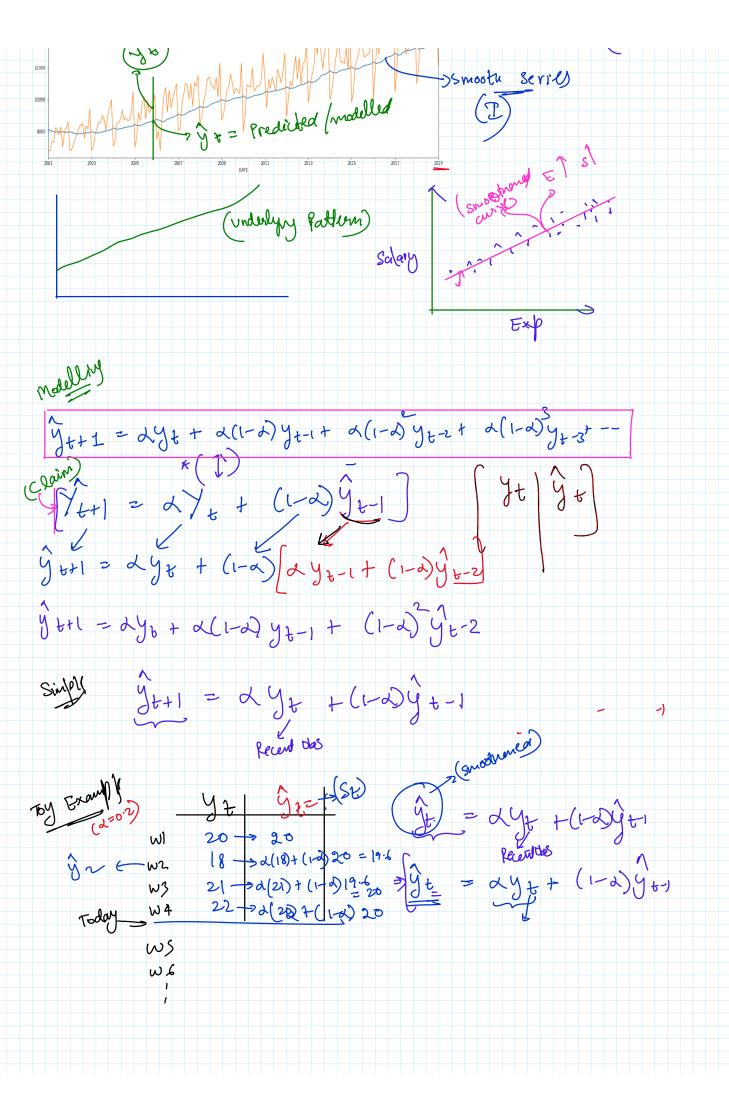
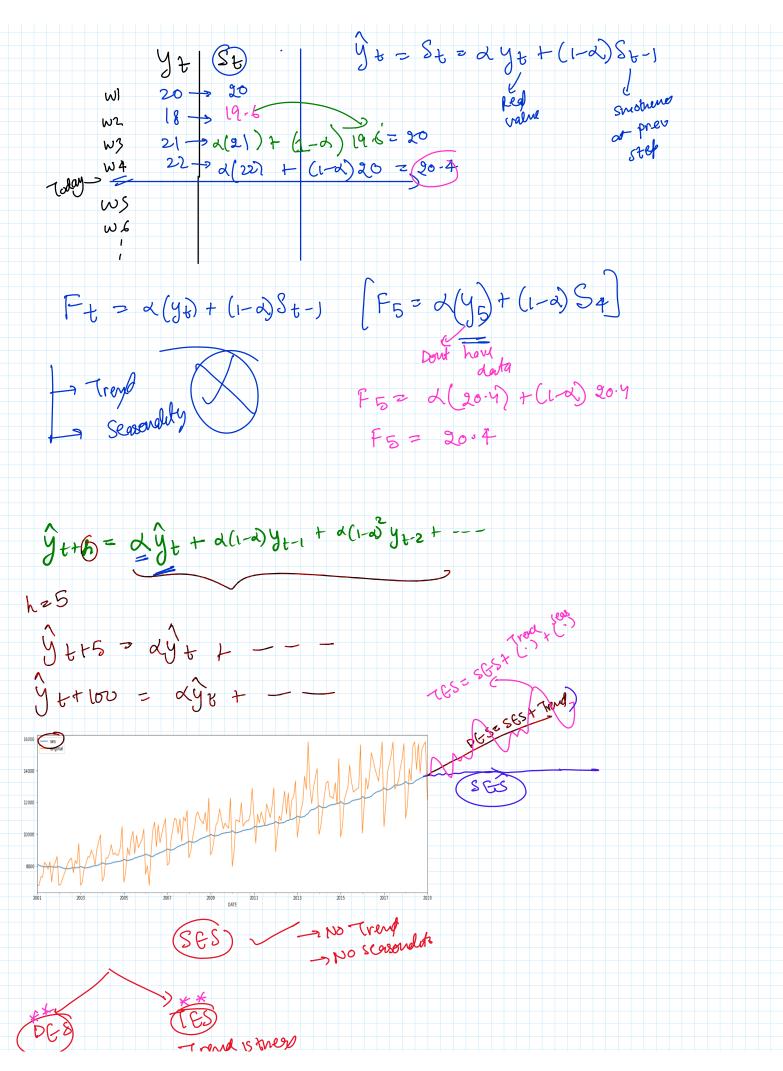
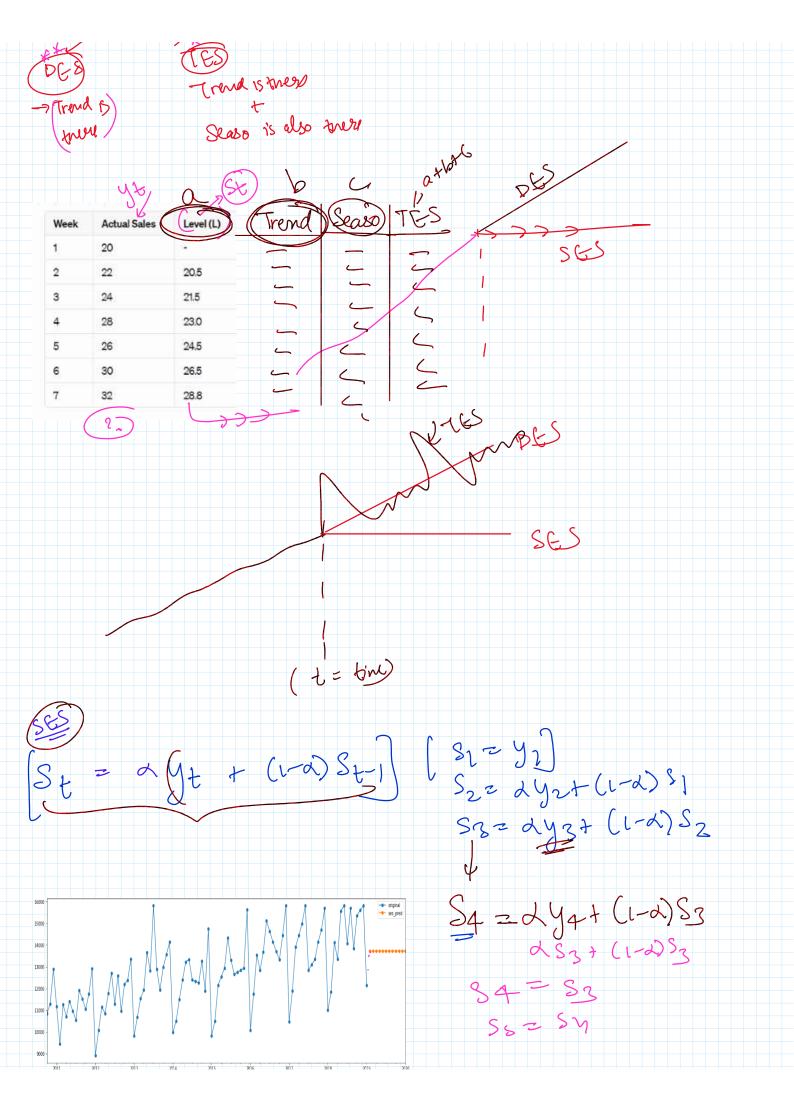
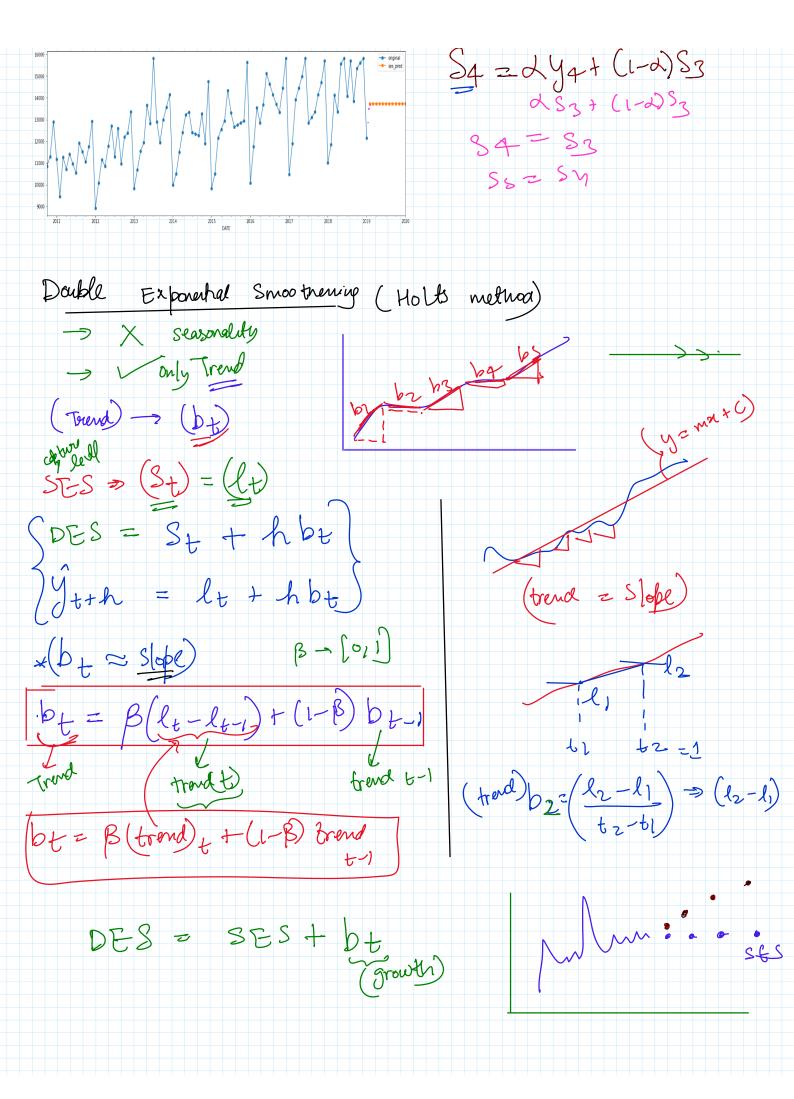


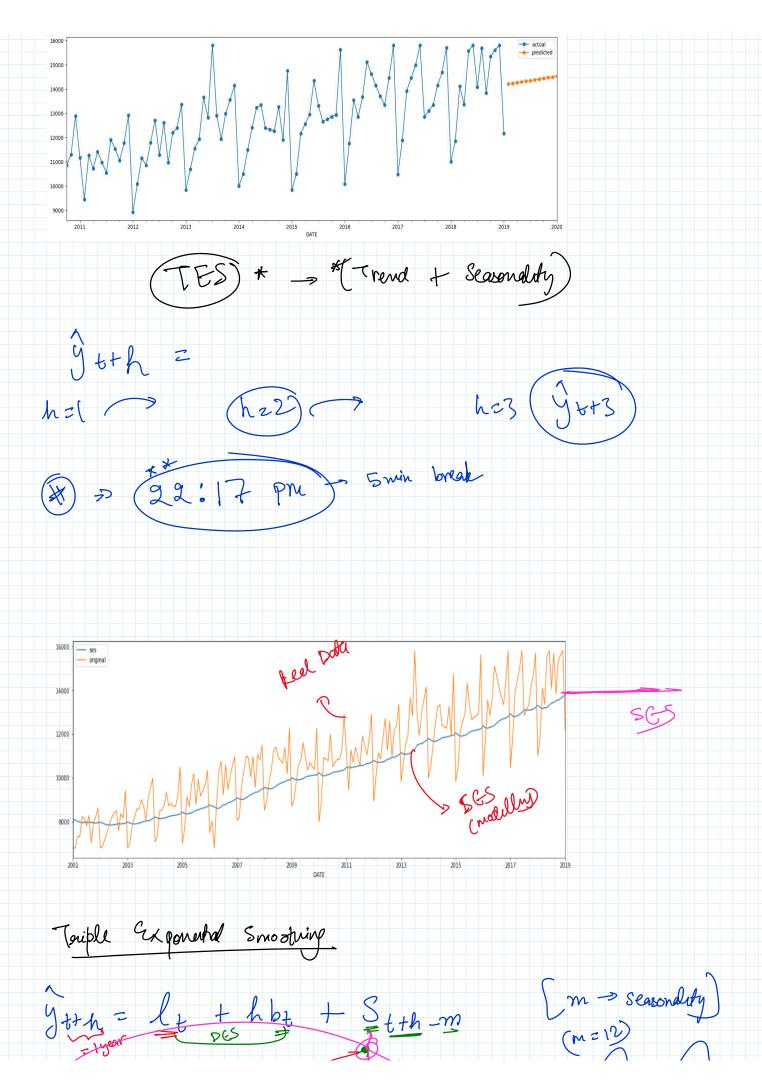
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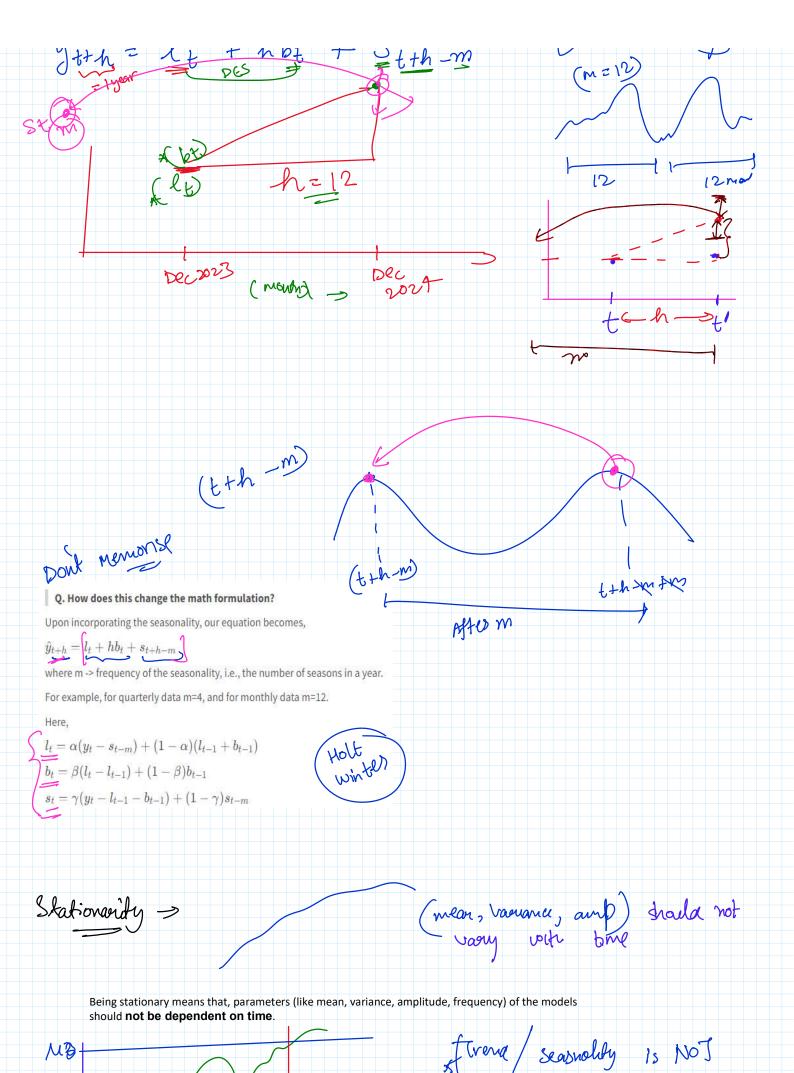




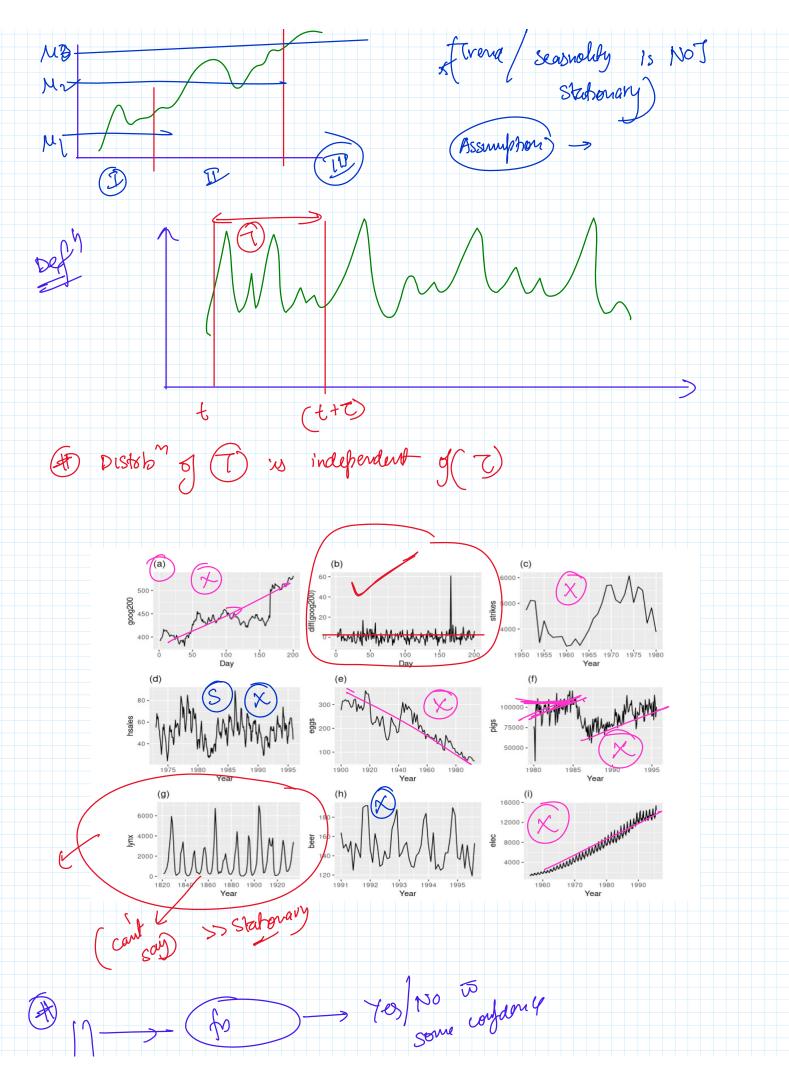




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Time Series Page 7



Some confair. Augmented Dickey fulle (est) Ho: Sequence is not Stationary Ha: * P (value) y 1 t) = Trend + Season + error could be Stationary y (t) - Trand - Seasonalty z (error) De-Tound ylt) = mx++ C + 8(t) + n(t) (Straight live)

(Straight live)

(Straight live)

(Straight live)

(Straight live)

(Straight live) $\int_{y''(t)} mx^2 + cx + d$ $\int_{y''(t)} 2mx^2 + c$ $\int_{y''(t)} 2m$ = 2mfore of brend Differencing 2 > to afferential of > effectulus derivativ 15 7 10 19 10 25 7 19 30 7 25 Deformatation (Trend > / l + - l + 1

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(mx+c) + (S(t) + error (const) + s'(t) + Err(t) lim y(t+Dt)-y(t) - Seasonlisne (Removne seasonality) { m-deflerencing 4 Dy=960-96-m P2, may 2020 June 2029

