2 Classical time series into
There are 4 components to time series:
a) Trend (LRA in data (may or may not be linear) 6) Seasonal (L1 year) Lo additive (may not be linear) Lo multiplicative (may not be linear) Lo multiplicative (may not be linear)
of may not be linear)
6) Seasonal (<1 year)
Les additive properties ons are constant.
1 millial: il Che trations connection la la sol
- Procreations proportionale to level
c) cyclical
c) Cyclical Garage Regular Fluctuations around some LT trend > I year
3 smplitude +rough
Amplitude
trough
d) Random (:.e. everything unexplainable
1) Jantin company
How to identify components?
Smoothing: Co Decomposition
\mathcal{L}
Roundom is removed TS 600ken into Gy smoothing components of systemic perts
by smoothing components of
systemic perts

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