Lant Clan (Nov 10) ()Breaking down a time sevies 2) Moving averages 3 Trend Searmality Time Series decomposition L) Decemposition from scratch Today's agenda Generating forecast Train test splits Simple Forecast methods Noive Approven Seasonal Noive Forecast Drift Method Smoothing Based Methods

8) Simple exponential smoothing

7)

[m], tN [7444/ww/DD] 2019/01/01 2019/02/01 2019/03/07

The state of the s h=1 t+1, f+2, f+3... y + 1 = $y_{t} = x y_{t-1} + (1-x) y_{t-1}$ $= \chi f_{t} + \chi (f_{-}\chi) f_{t-1} + (f_{-}\chi)^{2} f_{t-1}$ $\chi (1-\chi)$ $y_{t-1} = xy_{t-2} + (1-x) \hat{y}_{t-2}$ $\frac{1}{(1-x)^2} y_{t-1}^2 = x(1-x)^2 y_{t-2}^2 + (1-x)^3 y_{t-2}^2$

