

find out the \* Interpolation >> To Extrapolation > value in range itself (Prediction) To find out the In years were range Salus Jan Fely March Array house \* Time series possen Most of the time (99% of the time), statement will extrapolation the fest date will come in the training range and Bused on Previous thistory, forceast the future value. training (Area) = 1000-10000 testing (Aro) = 1, (Most of time.) outride training range > wrong or Why Not Linear Regression for time series? Time component is involved. -> Because of Extrapolation, it may lead to wrong Prediction. > LR - Assumes linear relationship lent in time series, the curred observation depends on forenious obs. - which is not true for non-time series data of Mohicration 1) Weather forceas ting => weather, Patterns day wise, month wise, seasoning 2) Medical > based on frevious medical history, fredict future (b) finance | Bales, Bondprice, Stock frice (4) Economics — Interest rate, GDP etc. \* You can use time series ju every donnéen wherever you have a time defrendent date-