Multivariate Regression for Time Series Sept 4, 2019

- · Definitions
 - · X; E X = RP
 - · yie y = R9
 - · Given data $Dn = (x_i, y_i)_{i=1}^n$
 - · Assume (Xi, yi) ild Fxy
 - · Learn Fylx from Da
- · Univariate regression:
 - · Given y ER, estimate E(Y|X)
- · Multivariate regression:
 - · Given ye R9, estimate E(YIX)
- · Multivariate time series regression (forecasting)
 - · Assume n=):

a single output stream)

- · For n>1, x & R Pxt;
- · Goal: