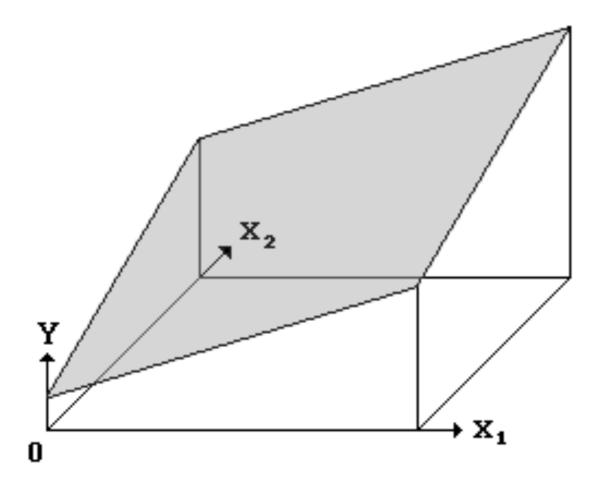
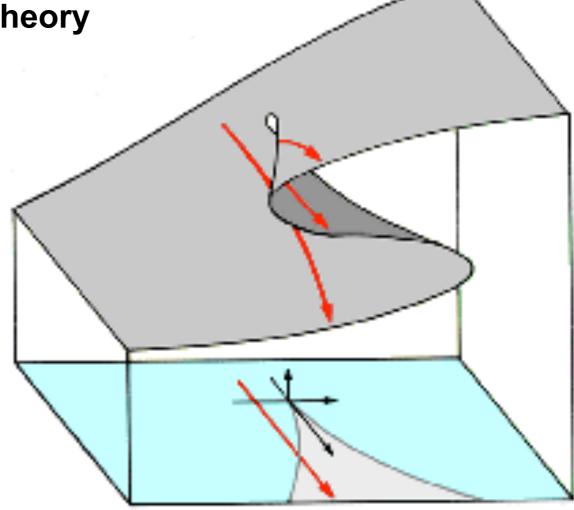
Linear vs. Dynamic models... fitting a response surface

same tools! same general model! different theory



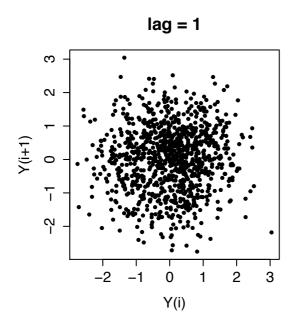
$$Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2$$

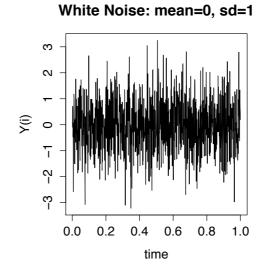


$$Y = \beta_0 + \beta_1 X_{control} + \beta_2 X_{bifur} * Y + \beta_3 Y^2 + \beta_4 Y^3$$

Y is entered as a predictor

Return plot quiz





White noise Completely random (Gaussian distribution)

What happens at different lags?