

Lecture 4

Constant Function:

$$y = \theta_0$$

$d=1$

$$y = \theta_0 + \theta_1 x$$

$d=2$

$$y = \theta_0 + \theta_1 x + \theta_2 x^2$$

$x_1$  and  $x_2$

$$y = \theta_0 + \theta_1 x_1 + \theta_2 x_2 + \theta_3 x_1 x_2 + \theta_4 x_1^2 + \theta_5 x_2^2$$

