

Polynomial degree 2: $ho(x) = \theta_0 x^0 + \theta_1 x^1_1 + \theta_2 x^2_1$
Polynomial degree 3: ho(n) = 0 n + 0, x1 + 02x1 + 03x1
As you increase the degree of Polynomial you might get an overfitting.  Simple polynomial regression of degree n,
you might get an overfibting
Simple boly nomial regression of degree n, model
Polynomial degree (n): holn)= $\theta_0 \lambda_1' + \theta_1 \lambda_1' + \theta_2 \lambda_1' + \eta$ of Multible Polynomial regression.
$0_3 \times 1_1 \times 1_2 \times 1_3 \times 1_4 $
of the west of the state of the
la multiple indépendent features
$\mathcal{X}_1 \mid \mathcal{X}_2 \mid \mathcal{X}_3 \mid \mathcal{Y}$
Polynomial degree 2.
$ho(x) = \theta_0 + \theta_1 x_1 + \theta_2 x_2 + \theta_3 x_3 + \theta_4 x_1 + \theta_2 x_2 + \theta_3 x_3 + \theta_3 x_3 + \theta_4 x_1 + \theta_4 x_2 + \theta_3 x_3 + \theta_4 x_1 + \theta_4 x_2 + \theta_5 x_3 + \theta_5 x_3 + \theta_5 x_4 + \theta_5 x_4 + \theta_5 x_3 + \theta_5 x_4 + \theta_5 x_4 + \theta_5 x_5 + $
$\Theta_{4}x_{1}^{2} + \Theta_{5}x_{2}^{2} + O_{6}x_{3}^{2}$
+ 07×1×2 + 08×2×3+09×1×3
my Original IV variable 2
Power 2 $\left(\chi_1^2, \chi_2^2, \chi_3^2\right)$
, O
Cross foroduct of all features (x1 x2, x1 x3, x2 x3)
features (x, x2, x1, x3, x2x3)