Hypothesis space:  $y = \theta_0 x + \theta_1 x^2$ 4 3 2 у У 0 -1-2 True function -2 -3 Best fit -3 Good fits **-4** · 2 Х Х 2.0 2.0 2.0 high 1.5 1.5 1.5 1.0 1.0 1.0 0.5 0.5 0.5 ×  $\theta_1$  $\theta_1$  $\theta_1$  $J(\theta)$ **83** • **X** 0.0 0.0 0.0 -0.5-0.5-0.5-1.0-1.0-1.0True function -1.5-1.5-1.5X Best fit -2.0 <del>|</del> -2 low -2.0 --2.00  $\theta_0$  $\theta_0$  $\theta_0$ Smaller hypothesis space