DIFFERENT POLYNOMIAL DEGREE CURVES

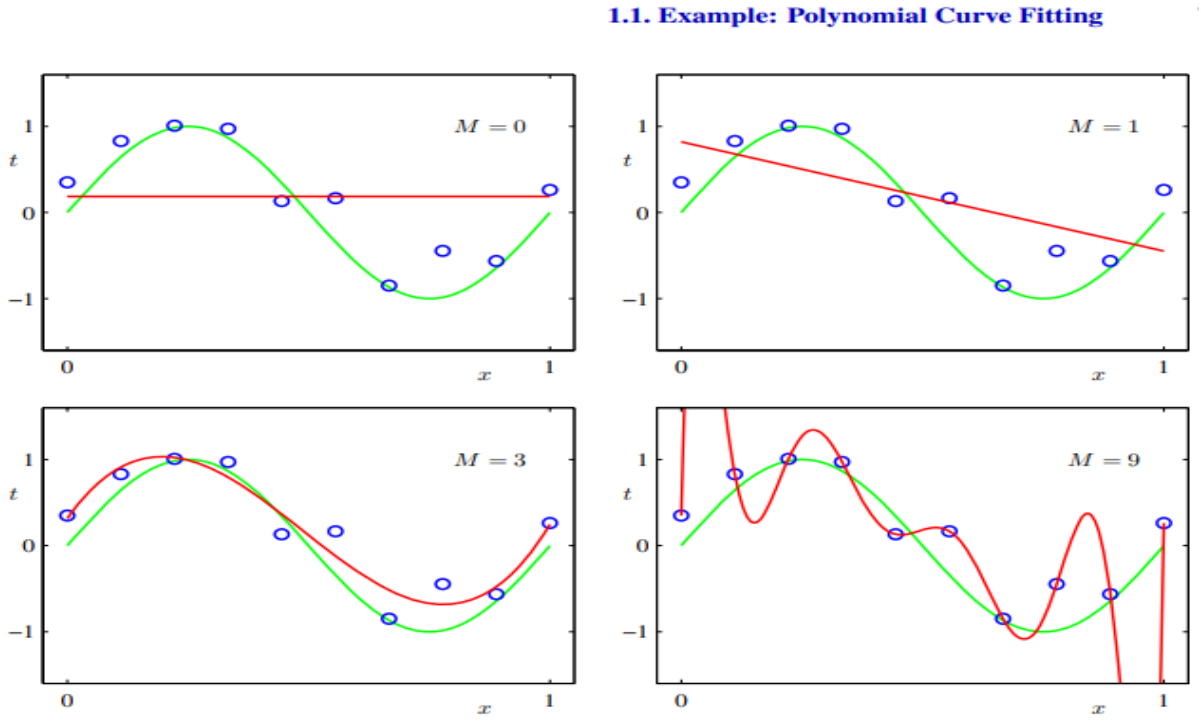
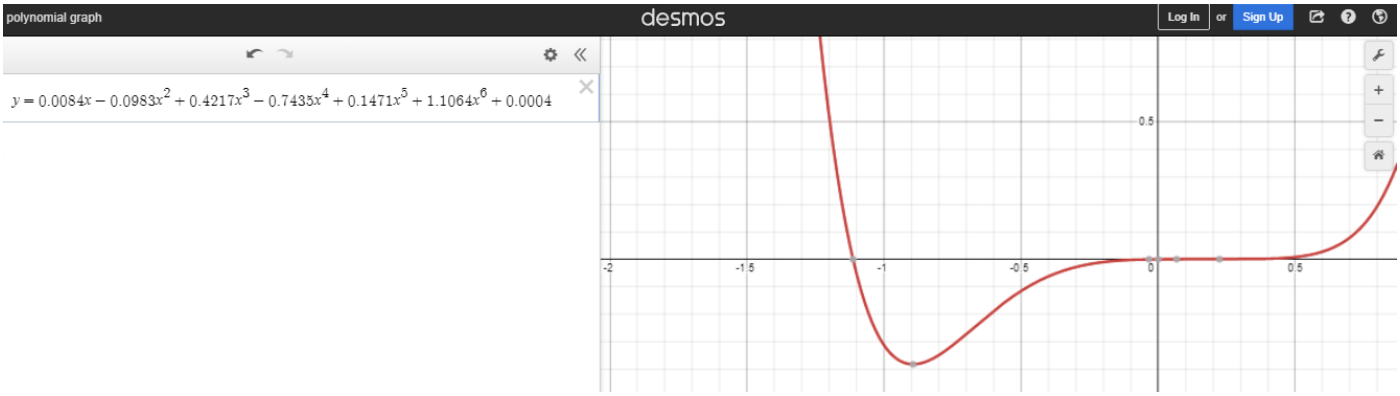
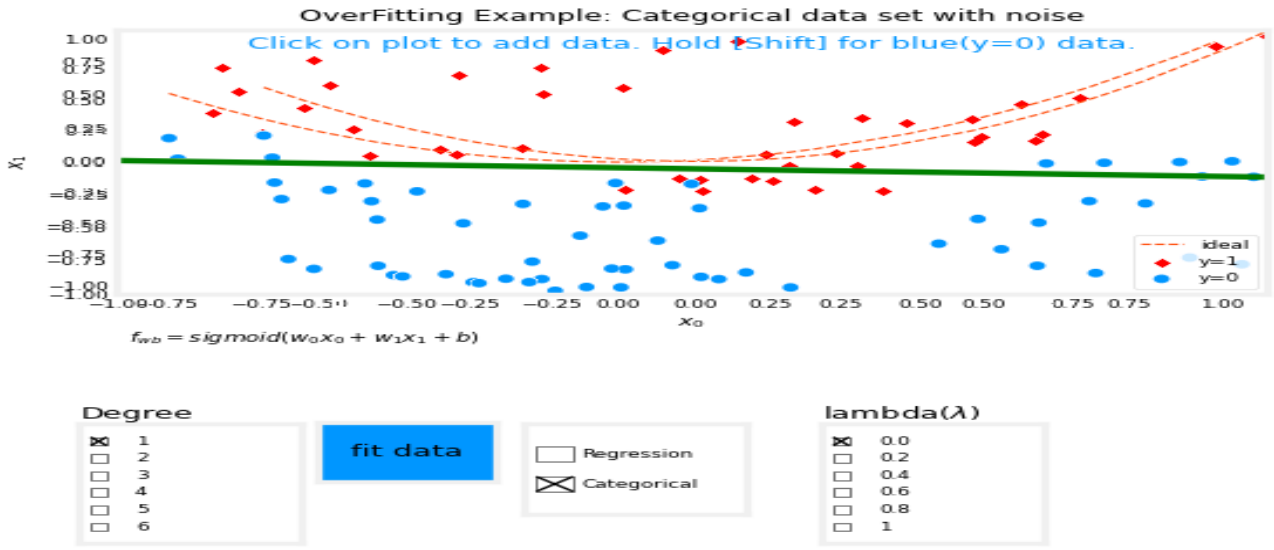


Figure 1.4 Plots of polynomials having various orders M, shown as red curves, fitted to the data set shown i

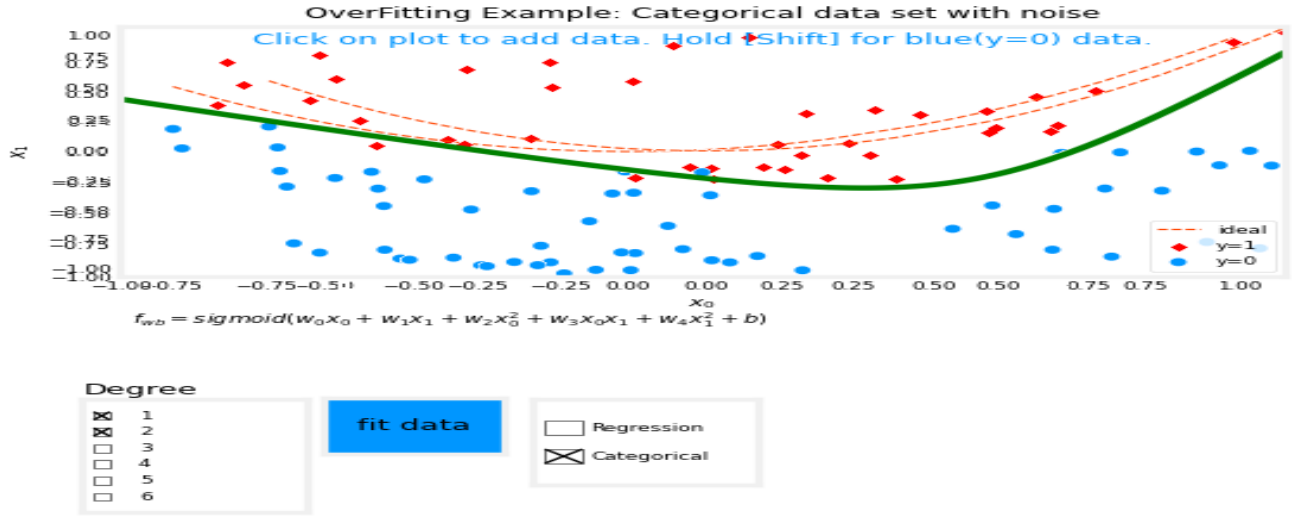


CLASSIFICATION

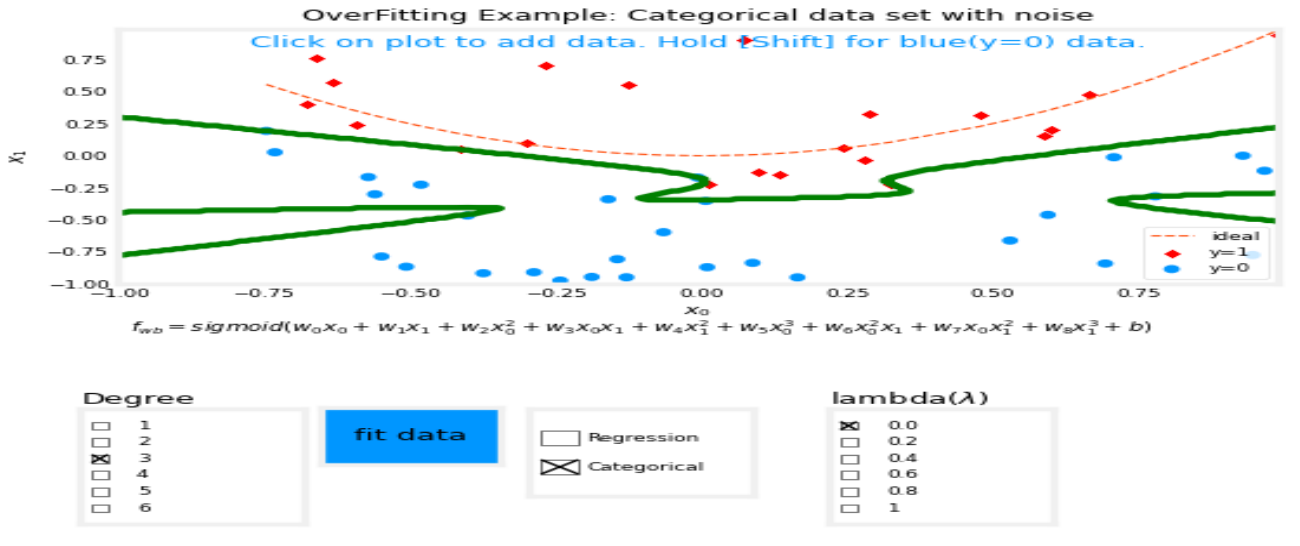
CASE1 : Fitting Decision Boundary of Degree 1 polynomial (NO REGULARIZATION)



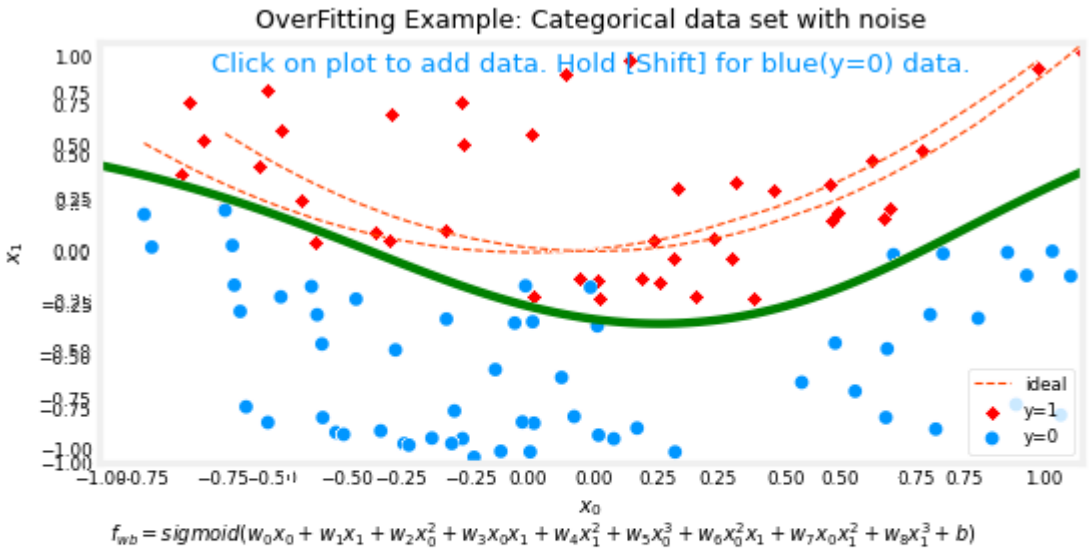
CASE2 : Fitting Decision Boundary of Degree 2 polynomial (NO REGULARIZATION)



CASE3 : Fitting Decision Boundary of Degree 3 polynomial (NO REGULARIZATION)

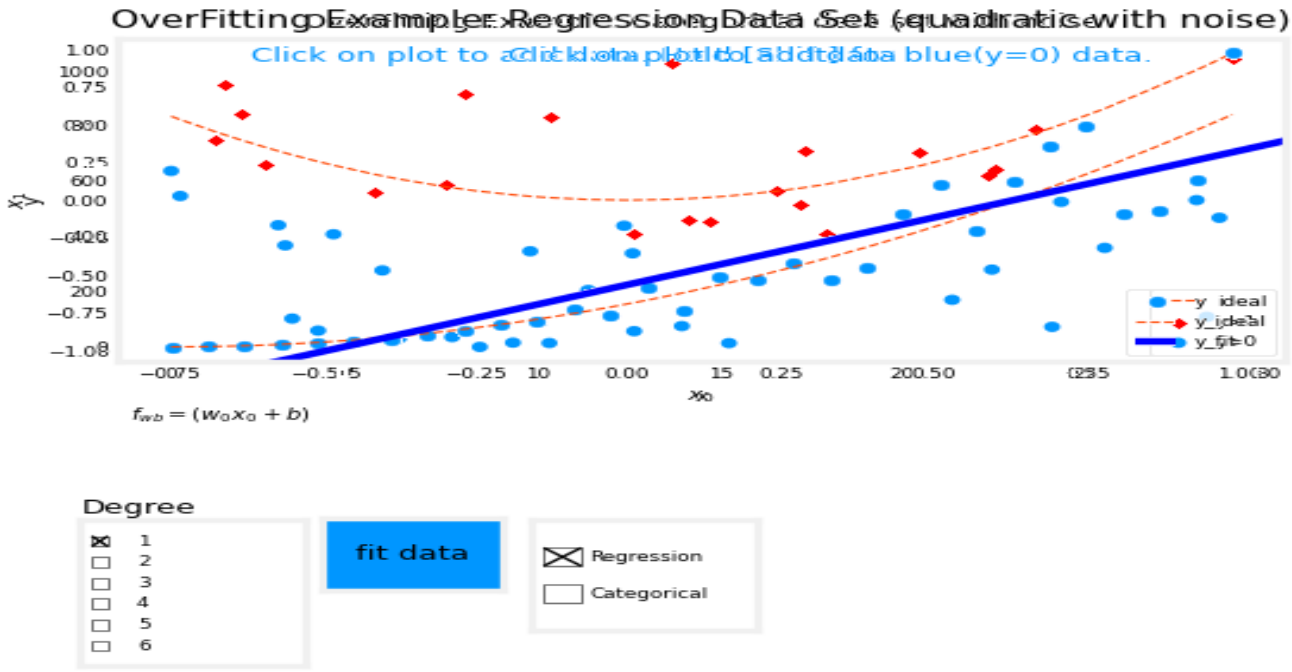


CASE4: Fitting Decision Boundary of Degree 3 polynomial (WITH REGULARIZATION)



REGRESSION

CASE1 : Fitting Degree 1 polynomial



CASE2 : Fitting Degree 6 polynomial