

U.S. Population – Quadratic Model with a Dummy Variable

Response: U.S. Population (millions)

Explanatory: (Year – 1890), (Year – 1890)², X

Summary of Fit

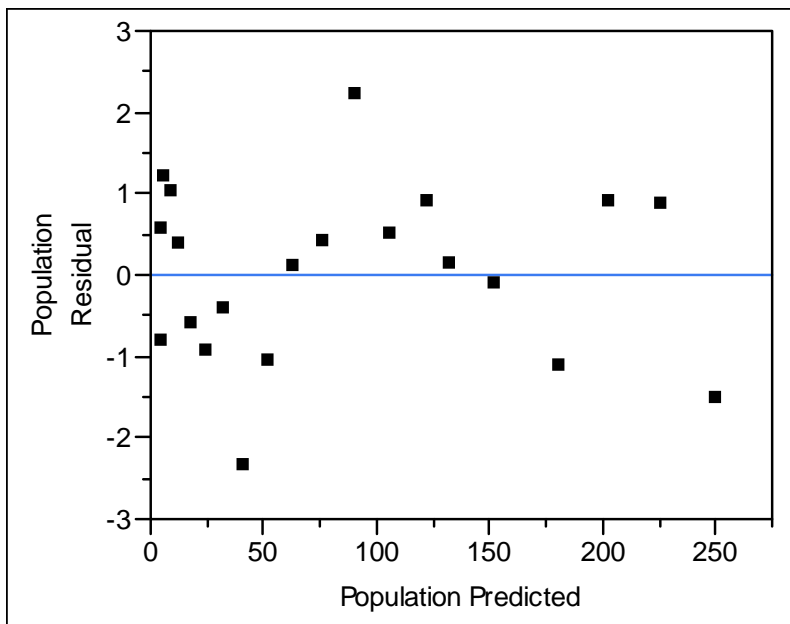
RSquare	0.999814
RSquare Adj	0.999781
Root Mean Square Error	1.162403
Mean of Response	85.78257
Observations (or Sum Wgts)	21

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	3	123356.97	41119.0	30431.91
Error	17	22.97	1.4	Prob > F
C. Total	20	123379.94		<.0001

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	62.889877	0.395292	159.10	<.0001
(Year - 1890)	1.2273412	0.004384	279.93	<.0001
(Year - 1890)*(Year - 1890)	0.0064604	7.777e-5	83.07	<.0001
X	-8.352385	0.906138	-9.22	<.0001



Analysis of Residuals

