**13.30** A researcher used stepwise regression to create regression models to predict *BirthRate* (births per 1,000) using five predictors: *LifeExp* (life expectancy in years), *InfMort* (infant mortality rate), *Density* (population density per square kilometer), *GDPCap* (Gross Domestic Product per capita), and *Literate* (literacy percent). Interpret these results.

Regression Analysis—Stepwise Selection (best model of each size)

153 observations

Birth Rate is the dependent variable

*p-values for the coefficients*

Nvar LifeExp InfMort Density GDPCap Literate s Adj R2 R2

1 .0000 6.318 .722 .724

2 .0000 .0000 5.334 .802 .805

3 .0000 .0242 .0000 5.261 .807 .811

4 .5764 .0000 .0311 .0000 5.273 .806 .812

5 .5937 .0000 .6289 .0440 .0000 5.287 .805 .812