

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. **BirthRates2**

Regression Analysis—Stepwise Selection (best model of each size)								
153 observations								
BirthRate is the dependent variable								
<i>p-values for the coefficients</i>								
Nvar	LifeExp	InfMort	Density	GDPCap	Literate	s	Adj R ²	R ²
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