

# Regression

Female Life Expectancy and Birth rate

## Descriptive Statistics

	Mean	Std. Deviation	N
Female life expectancy	67.07	9.794	15
Births per 1000 population,	32.87	13.601	15

## Correlations

		Female life expectancy	Births per 1000 population,
Pearson Correlation	Female life expectancy	1.000	-.968
	Births per 1000 population,	-.968	1.000
Sig. (1-tailed)	Female life expectancy	.	.000
	Births per 1000 population,	.000	.
N	Female life expectancy	15	15
	Births per 1000 population,	15	15

## Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics			
					R Square Change	F Change	df1	df2
1	.968 <sup>a</sup>	.938	.933	2.537	.938	195.653	1	13

a. Predictors: (Constant), Births per 1000 population,

b. Dependent Variable: Female life expectancy

## Model Summary<sup>b</sup>

Model	Change Statistics
	Sig. F Change
1	.000

a. Predictors: (Constant), Births per 1000 population,

b. Dependent Variable: Female life expectancy

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1259.263	1	1259.263	195.653	.000 <sup>a</sup>
	Residual	83.671	13	6.436		
	Total	1342.933	14			

a. Predictors: (Constant), Births per 1000 population,

b. Dependent Variable: Female life expectancy

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	89.985	1.765		50.995	.000
	Births per 1000 population,	-.697	.050	-.968	-13.988	.000

a. Dependent Variable: Female life expectancy

**Residuals Statistics<sup>a</sup>**

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	55.12	80.92	67.07	9.484	15
Residual	-5.039	4.394	.000	2.445	15
Std. Predicted Value	-1.260	1.461	.000	1.000	15
Std. Residual	-1.986	1.732	.000	.964	15

a. Dependent Variable: Female life expectancy

**Graph**

