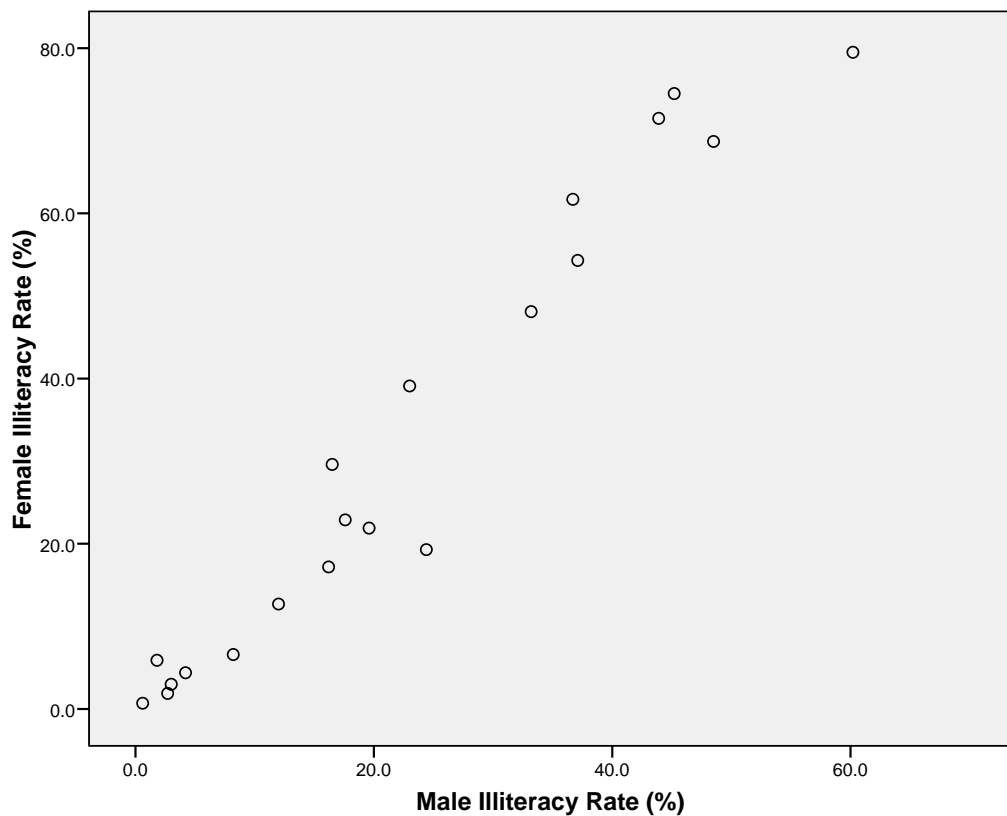


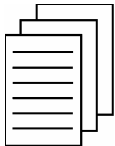
Answers to Exercise 1.3 (p. 34)

To generate summary statistics for male and female illiteracy rates and for per capita GDP, follow the same procedure illustrated in Figure 1.19 (p. 31). You can run the procedure three times for each of the variables in turn. However, and to save time, you can actually put all three variables in the 'Dependent List:' window at the same time and then press 'OK'. If you do this you should get the output shown on the next page.

As for the relationship between male and female illiteracy rates, you can generate a simple scatterplot just as you were shown in Figure 1.20 (p. 32). This time, though, while keeping the variable 'f_illit' in the 'Y Axis:' window, put the other variable 'm_illit' in the 'X Axis:' window (rather than 'lifeexpt' as currently appears in Figure 1.20). Click 'OK' and you should get the scatterplot below.



As can be seen, there definitely appears to be a strong relationship between the two variables such that countries with higher male illiteracy rates also tend to have higher female illiteracy rates as well.



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Descriptives

			Statistic	Std. Error
Male Illiteracy Rate (%)	Mean		22.730	3.9871
	95% Confidence Interval for Mean	Lower Bound	14.385	
		Upper Bound	31.075	
	5% Trimmed Mean		21.878	
	Median		18.600	
	Variance		317.935	
	Std. Deviation		17.8307	
	Minimum		.6	
	Maximum		60.2	
	Range		59.6	
	Interquartile Range		31.8	
	Skewness		.519	.512
	Kurtosis		-.763	.992
Female Illiteracy Rate (%)	Mean		32.175	6.1593
	95% Confidence Interval for Mean	Lower Bound	19.283	
		Upper Bound	45.067	
	5% Trimmed Mean		31.294	
	Median		22.400	
	Variance		758.750	
	Std. Deviation		27.5454	
	Minimum		.7	
	Maximum		79.5	
	Range		78.8	
	Interquartile Range		53.8	
	Skewness		.497	.512
	Kurtosis		-1.312	.992
Per Capita GDP (\$US)	Mean		3522.70	1175.525
	95% Confidence Interval for Mean	Lower Bound	1062.30	
		Upper Bound	5983.10	
	5% Trimmed Mean		2679.89	
	Median		2152.00	
	Variance		3E+007	
	Std. Deviation		5257.107	
	Minimum		86	
	Maximum		22130	
	Range		22044	
	Interquartile Range		2934	
	Skewness		2.767	.512
	Kurtosis		8.364	.992