



Bivariate Data

For each concept you need to tick **one** box in the EXERCISES column and **all three** boxes in the BOUND REFERENCE column.

Concept	Exercises	Bound Reference
Identify and define response and explanatory variables .	<u>Exercise 7A</u> Entry: 1 <input type="checkbox"/> Expected: 1 <input type="checkbox"/> Expected+: 1 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>
Constructing scatterplots both manually and using CAS	<u>Exercise 7B</u> Entry: 1, 4, 5 <input type="checkbox"/> Expected: 4, 5, 7 <input type="checkbox"/> Expected+: 4, 5, 7 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>
Interpret data from scatterplots in terms of the direction, form and strength of any correlation shown.	<u>Exercise 7C</u> Entry: 1, 2 <input type="checkbox"/> Expected: 1, 2 <input type="checkbox"/> Expected+: 1, 2 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>
Identifying and estimating Pearson's correlation coefficient using scatterplots.	<u>Exercise 7D</u> Entry: 1, 2abcd, 4 <input type="checkbox"/> Expected: 1, 2acegik, 4, 6 <input type="checkbox"/> Expected+: 1, 2acegik, 4, 5, 6 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>
Calculating Pearson's correlation coefficient , using CAS calculators, and using this value to comment on the strength of correlation .	<u>Exercise 7E</u> Entry: 1, 3, 4 <input type="checkbox"/> Expected: 3, 4, 5 <input type="checkbox"/> Expected+: 3, 4, 5 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>
Using the least squares regression lines to model a linear associations between numerical data using CAS .	<u>Exercise 7F</u> Entry: 1, 2, 4 <input type="checkbox"/> Expected: 1, 2, 3 <input type="checkbox"/> Expected+: 1, 2, 5 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>
Using regression lines to make predictions including interpolation and extrapolation .	<u>Exercise 7G</u> Entry: 1, 2, 3 <input type="checkbox"/> Expected: 1, 2, 4 <input type="checkbox"/> Expected+: 1, 2, 5 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>
Interpreting the slope and intercept of regression lines .	<u>Exercise 7H</u> Entry: 1,3 <input type="checkbox"/> Expected: 1, 3, 4 <input type="checkbox"/> Expected+: 1, 3, 4 <input type="checkbox"/>	Concept <input type="checkbox"/> How to <input type="checkbox"/> Example(s) <input type="checkbox"/>