Doing Statistical Analysis - A StudentÂ’s Guide to Quantitative Research 1st edition Thrane Test Bank

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Test bank for instructors: Qs & As

The test bank Qs & As use the data `student_weight` described below; a survey questionnaire data set from a random sample of students attending a Norwegian university college in 2018. Variable names are in **bold** typeface. N = 475 – 523.

Please note! These data contain numerous other potential test bank Qs & As than the ones I choose to follow up below.

health

Your physical health level: ok = 0, good = 1, very good = 2

qol

Your quality of life: ok = 0, good = 1, very good = 2

youth_exe

In your youth before you started studying, to what extent were you involved in sports that required a lot of physical exercising (to a very small extent = 1; to a very great extent = 10)?

age

Age in years

gender

Gender: female = 0, male = 1

snuff

Snuffing (moist snuffing): never = 0, sometimes/daily = 1

weight_kg

Weight in kilograms (kg)

height_cm

Height in centimeters (cm)

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Qs & As for chapter 2:

Q1.

What are the measurement levels of the variables in the data?

A1.

Continuous (numerical variables):

`weight_kg`

`height_cm`

`age`

Categorical variables:

`gender`

`snuff`

Ordinal variables:

`health`

`qol`

`youth_exe` (but could be treated as a continuous variable in most statistical analyses)

Q2.

What is the mean of `weight_kg`? The minimum? The maximum? The range? The median? The standard deviation (SD)? The coefficient of variation (CV)?

A2.

The answers are 72.22 (mean), 42 (min), 150 (max), 108 (range), 71 (median), 13.22 (SD), and 18,31 (CV).

Q3.

What is the mean of `height_cm`? The minimum? The maximum? The range? The median? The standard deviation (SD)? The coefficient of variation (CV)?

A3.

The answers are 173,35 (mean), 150 (min), 198 (max), 48 (range), 173 (median), 8.96 (SD), and 5.17 (CV).

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Q4.

What is the mode and the median for `age`?

A4.

The answers are 21 (mode) and 22 (median).

Q5.

What is the mode for `snuff` and `health`?

A5.

The answers are “never” (`snuff`) with 64% and “good” (`health`) with 47%.

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