

Non-parametric Tests Worksheet using SPSS 12



Measures from a Psychology Student Survey

Introduction

The data in this worksheet are from completed questionnaires which gathered the following information about a cohort of 422 students:

- their background and characteristics, such as their GCSE Maths grade, gender and whether they were an only child;
- their beliefs, e.g. do they believe in UFOs, are they religious?;
- scores on various psychology tests such as the Eysenck Personality Inventory on extraversion and neuroticism;
- times taken to perform various tasks.

Getting started

The data are supplied in the SPSS data file *Measures.sav*.

- Start SPSS and from the main menu select **File > Open > Data**;
- In the **Look in** box navigate to the folder containing *Measures.sav*;
- Click on this file and then **Open**.

The **Variable View** window shows that the data file contains the values of 41 variables (more detail can be found in the scenario for this worksheet):

1	<i>studno</i>	Student ID code
2	<i>faculty</i>	1 = Social Science, 2 = Humanities, 3 = Science, 4 = Medicine
3	<i>gender</i>	1 = male, 2 = female
4	<i>gcse_math</i>	1 = A, 2 = B, 3 = C, 4 = D, 5 = none
5	<i>alevel_math</i>	1 = A, 2 = B, 3 = C, 4 = D, 5 = E, 6 = none
6	<i>hand</i>	1 = left, 2 = right
7	<i>onlychild</i>	1 = yes, 2 = no
8-14		Life-style questions, requiring answers of 1 = yes or 2 = no (<i>veggie, vegan, smoker, alcohol, typist, homecomp, compstud</i>)
15-18		Life-style questions, requiring answers on a scale of 1-5 (<i>exercise, fit, compgame, gamble</i>)
19-29		Questions on beliefs, scored 1 = very strongly disbelieve to 5 = very strongly believe (<i>astrol, esp, telekin, paranorm, reincarn, stud_par, ufo, alt_med, an_right, religiou, grapholo</i>)
30-38		Psychology tests (<i>loc, epie, epin, epil, get_nfac, get_nfau, get_loc, get_cten, get_crt</i>)
39-41		Timed activities(<i>rt_tot, mt, reactime</i>)

To see the raw data, click on the **Data View** tab at the bottom left of the screen.