[Commentary by **John F Hall**]   [**Draft only:** last updated 1 May 2018]

John MacInnes
An Introduction to Secondary Data Analysis with IBM SPSS Statistics
(Sage, Dec. 2017)

5.1 Chapter 5 video tutorials (direct link to companion website)
 [**NB:** All video tutorials for chapter 5 are on the same web page and cannot (yet) be disaggregated]

Video tutorial 5.1.9: Using syntax to repeat analyses on new data (12'34")
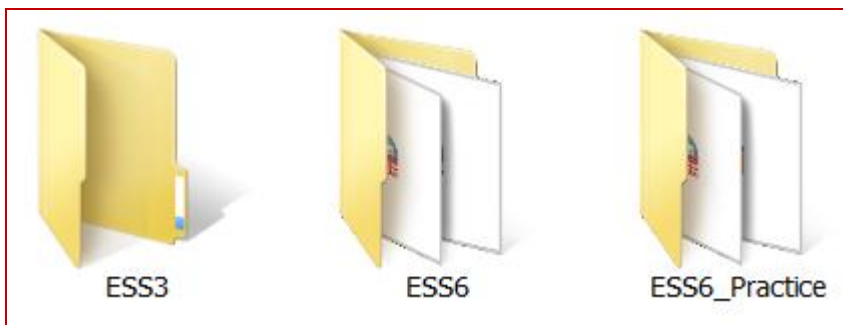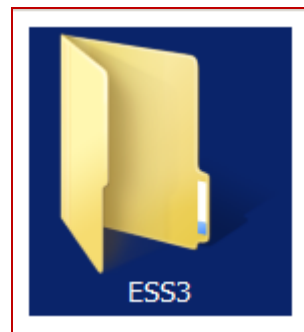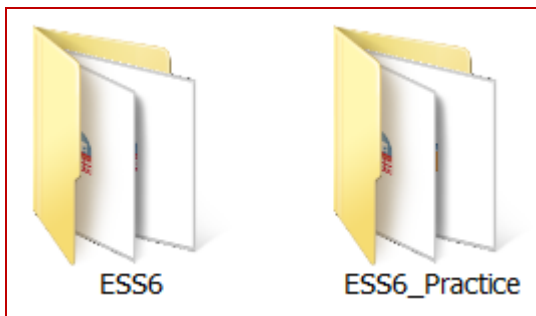
"Power of syntax and saving you time."

Topic: Compare depression in two waves of European Social Survey.

Task: Find countries participating in both 2006 and 2012

Step 1: Go folder older My ESS: Open a new folder

Go to European Social Survey and download ESS3 (2006)

Download datafile

You are now signed in.

File: Integrated file, edition 3.6 (Latvia and Romania not included) round 3

Download SAS   **Download SPSS**   **Download STATA**
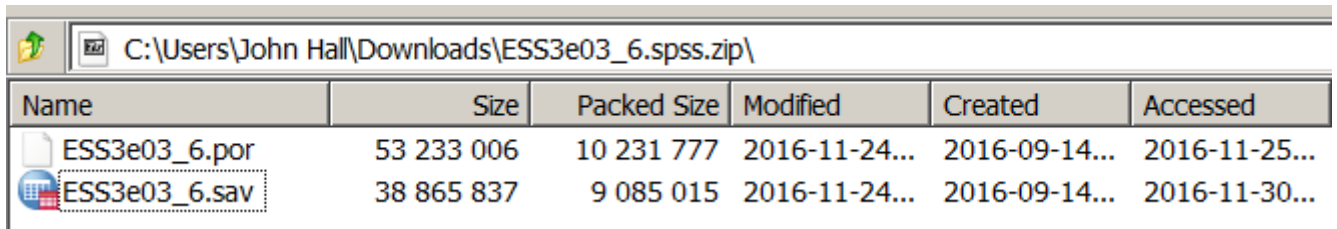
Users of data are obliged to read the ESS Conditions of use

ESS Conditions of use   Guide to Weighting ESS Data

Click on **Download SPSS** which downloads as a zip file. ESS3e03_6.spss

Name	Size	Packed Size	Modified	Created	Accessed
C:\Users\John Hall\Downloads\ESS3e03_6.spss.zip\					
ESS3e03_6.por	53 233 006	10 231 777	2016-11-24...	2016-09-14...	2016-11-25...
ESS3e03_6.sav	38 865 837	9 085 015	2016-11-24...	2016-09-14...	2016-11-30...

Drag ESS3e03_6 to folder **ESS3** (for some reason copy/paste doesn't work for me)
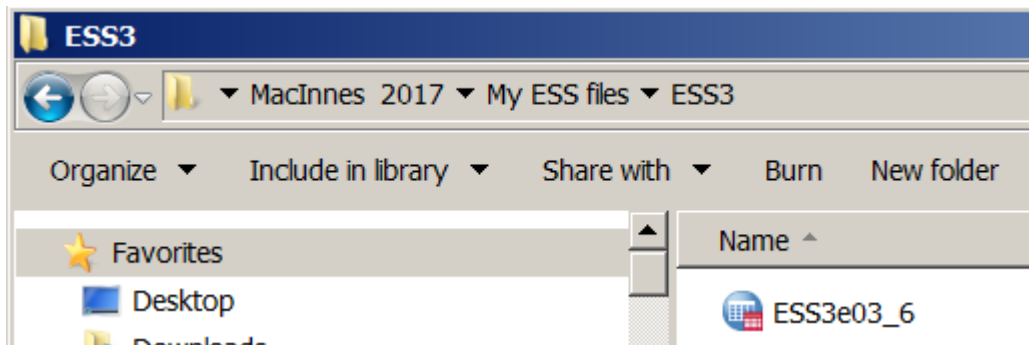
JM explains that you can have several data sets open at once, "but be careful not to get them mixed up!" To find out which data set is active, you can hover over the SPSS taskbar icon:
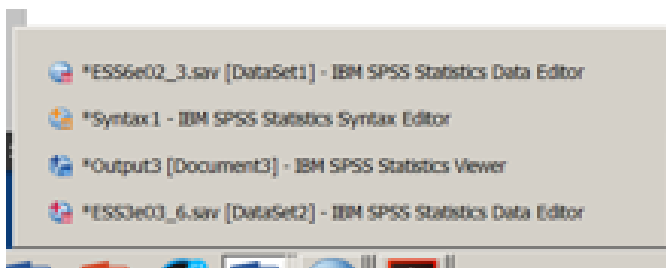
Repeats analysis of depression from an earlier round, ESS3 2006, but with narrower range of countries. It's an exercise in copying syntax from a previous job to do another one, but it's important not to get your data sets mixed up!

Check back for recode on [**country**] into **[country0612]**

Slightly cumbersome method? Could use **MULT RESP** ?

Could be done manually with **Data Editor** ?

Download ESS3 ESS3 – 2006 DOCUMENTATION REPORT

Not particularly interesting as plays with country. How deal with weights when using different waves in same analysis?

JM has a cumbersome way of finding and repeating syntax. It would be better to have separate files and insert comments. He keeps to a single set of syntax and switches between data sets (because he has a different style of working?)

Does depression again, but does he apply any weights? Saves a lot of time. Not much difference in country depression scores ESS3 vs ESS6. Compares separate tables, but is it possible to combine?

JFH alternative:

File >> New >> Syntax

> **title** 'ESS3:ESS6 depression'.
> *Combine data from 2006 and 2012.
> **add files** /file dataset6 /file dataset4
> /keep name essround edition proddate idno cntry gndr
>   fltdpr flteeff slprl wrhpp fltlnl enjlf fltsd cldgng
>   dweight pspwght pweight .

. . produces a new Untitled Data Editor:

Variable View

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	name	String	9	0	Title of dataset	None	None	14	Left	Nominal	Input
2	essround	Numeric	2	0	ESS round	None	None	10	Right	Nominal	Input
3	edition	String	3	0	Edition	None	None	9	Left	Nominal	Input
4	proddate	String	10	0	Production date	None	None	12	Left	Nominal	Input
5	idno	Numeric	9	0	Respondent's i...	None	None	11	Right	Nominal	Input
6	cntry	String	2	0	Country	{AL, Albani...	None	7	Left	Nominal	Input
7	gndr	Numeric	1	0	Gender	{1, Male}...	9	6	Right	Nominal	Input
8	fltdpr	Numeric	1	0	Felt depressed...	{1, None or...	7, 8, 9	8	Right	Ordinal	Input
9	flteeff	Numeric	1	0	Felt everything...	{1, None or...	7, 8, 9	9	Right	Ordinal	Input
10	slprl	Numeric	1	0	Sleep was rest...	{1, None or...	7, 8, 9	7	Right	Ordinal	Input
11	wrhpp	Numeric	1	0	Were happy, ...	{1, None or...	7, 8, 9	7	Right	Ordinal	Input
12	fltlnl	Numeric	1	0	Felt lonely, ho...	{1, None or...	7, 8, 9	8	Right	Ordinal	Input
13	enjlf	Numeric	1	0	Enjoyed life, h...	{1, None or...	7, 8, 9	7	Right	Ordinal	Input
14	fltsd	Numeric	1	0	Felt sad, how ...	{1, None or...	7, 8, 9	7	Right	Ordinal	Input
15	cldgng	Numeric	1	0	Could not get ...	{1, None or...	7, 8, 9	8	Right	Ordinal	Input
16	dweight	Numeric	4	2	Design weight	None	None	10	Right	Scale	Input
17	pspwght	Numeric	4	2	Post-stratificati...	None	None	10	Right	Scale	Input
18	pweight	Numeric	8	2	Population siz...	None	None	10	Right	Scale	Input
19											

. . but with no data:

Data View

	name	essround	edition	proddate	idno	cntry	gndr	fltdpr	flteeff	slprl	wrhpp	fltlnl	enjlf	fltsd	cldgng	dweight	pspwght	pweight	var
1																			
2																			
3																			

SPSS requires an **EXECUTE** command or a data pass resulting from a statistical analysis, eg:

> **frequencies** essround.

essround ESS round

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	43000	44.0	44.0	44.0
	6	54673	56.0	56.0	100.0
	Total	97673	100.0	100.0	

. . which causes Untitled to fill up:

Data View

	name	essround	edition	proddate	idno	cntry	gndr	fltdpr	flteeff	slprl	wrhpp	fltlnl	enjlf
1	ESS6e02_3	6	2.3	01.12.2016	1	AL	1	3	2	4	3	1	2
2	ESS6e02_3	6	2.3	01.12.2016	2	AL	2	4	2	3	1	4	1
3	ESS6e02_3	6	2.3	01.12.2016	3	AL	2	2	3	2	2	2	3

Back to Variable View

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	name	String	9	0	Title of dataset	None	None	14	Left	Nominal	Input
2	essround	Numeric	2	0	ESS round	None	None	10	Right	Nominal	Input

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
17	pspwght	Numeric	4	2	Post-stratificati...	None	None	10	Right	Scale	Input
18	pweight	Numeric	8	2	Population siz...	None	None	10	Right	Scale	Input
19											

File >> Save As   ESS3_ESS6_depression1

Save Data As

Look in: My ESS files

- ESS3
- ESS6
- ESS6_Practice

Keeping 17 of 17 variables.

File name: ESS3_ESS6_depression1

Save as type: SPSS Statistics (*.sav)

☐ Encrypt file with password

Variables...
Save
Paste
Cancel
Help

Store File To Repository...

. . in folder **My ESS files**

ESS3   ESS6   ESS6_Practice   ESS3_ESS6_depression1
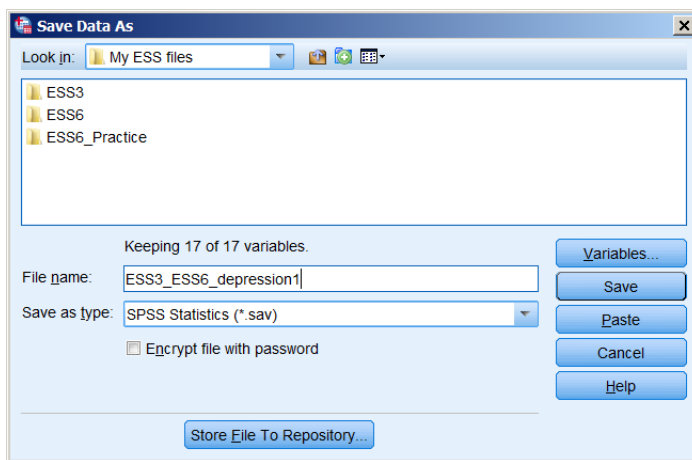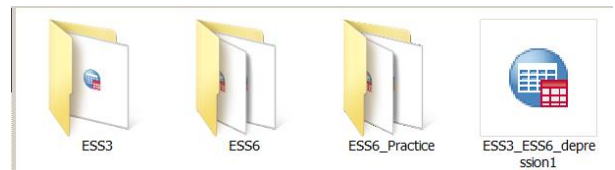
File **ESS3_ESS6_depression1.sav** in Variable View

ESS3_ESS6_depression1.sav [DataSet9] - IBM SPSS Statistics Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	name	String	9	0	Title of dataset	None	None	14	Left	Nominal	Input
2	essround	Numeric	2	0	ESS round	None	None	10	Right	Nominal	Input

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You should now check the new file.

```
*check 1 .
display labels .
```

Variable	Position	Label
name	1	Title of dataset
essround	2	ESS round
edition	3	Edition
proddate	4	Production date
idno	5	Respondent's identification number
cntry	6	Country
gndr	7	Gender
fltdpr	8	Felt depressed, how often past week
flteeff	9	Felt everything did as effort, how often past week
slprl	10	Sleep was restless, how often past week
wrhpp	11	Were happy, how often past week
fltlnl	12	Felt lonely, how often past week
enjlf	13	Enjoyed life, how often past week
fltsd	14	Felt sad, how often past week
cldgng	15	Could not get going, how often past week
dweight	16	Design weight
pspwght	17	Post-stratification weight including design weight

Variables in the working file

crosstabs cntry by essround

Country * ESS round Crosstabulation

Count

		ESS round		Total
		Wave 3 (2006)	Wave 6 (2012)	
Country	Albania	0	1201	1201
	Austria	2405	0	2405
	Belgium	1798	1869	3667
	Bulgaria	1400	2260	3660
	Switzerland	1804	1493	3297
	Cyprus	995	1116	2111
	Czech Republic	0	2009	2009
	Germany	2916	2958	5874
	Denmark	1505	1650	3155
	Estonia	1517	2380	3897
	Spain	1876	1889	3765
	Finland	1896	2197	4093
	France	1986	1968	3954
	United Kingdom	2394	2286	4680
	Hungary	1518	2014	3532
	Ireland	1800	2628	4428
	Israel	0	2508	2508
	Iceland	0	752	752
	Italy	0	960	960
	Lithuania	0	2109	2109
	Netherlands	1889	1845	3734
	Norway	1750	1624	3374
	Poland	1721	1898	3619
	Portugal	2222	2151	4373
	Russian Federation	2437	2484	4921
	Sweden	1927	1847	3774
	Slovenia	1476	1257	2733
	Slovakia	1766	1847	3613
	Ukraine	2002	2178	4180
	Kosovo	0	1295	1295
Total		43000	54673	97673

*check 2 .
value labels essround 3 "Wave 3 (2006)" 6 "Wave 5 (2012)" .
crosstabs cntry by essround .

Country * ESS round Crosstabulation

Count

Country		ESS round		Total
		Wave 3 (2006)	Wave 6 (2012)	
Country	Albania	0	1201	1201
	Austria	2405	0	2405
	Belgium	1798	1869	3667
	Bulgaria	1400	2260	3660
	Switzerland	1804	1493	3297
	Cyprus	995	1116	2111
	Czech Republic	0	2009	2009
	Germany	2916	2958	5874
	Denmark	1505	1650	3155
	Estonia	1517	2380	3897
	Spain	1876	1889	3765
	Finland	1896	2197	4093
	France	1986	1968	3954
	United Kingdom	2394	2286	4680
	Hungary	1518	2014	3532
	Ireland	1800	2628	4428
	Israel	0	2508	2508
	Iceland	0	752	752
	Italy	0	960	960
	Lithuania	0	2109	2109
	Netherlands	1889	1845	3734
	Norway	1750	1624	3374
	Poland	1721	1898	3619
	Portugal	2222	2151	4373
	Russian Federation	2437	2484	4921
	Sweden	1927	1847	3774
	Slovenia	1476	1257	2733
	Slovakia	1766	1847	3613
	Ukraine	2002	2178	4180
	Kosovo	0	1295	1295
Total		43000	54673	97673

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crosstabs essround by fltdpr to cldgng /cells row .

Felt depressed, how often past week

		None or almost none of the time	Some of the time	Most of the time	All or almost all of the time	Total
ESS round	Wave 3 (2006)	57.9%	33.3%	6.6%	2.2%	100.0%
	Wave 6 (2012)	58.2%	33.2%	6.4%	2.2%	100.0%
Total		58.1%	33.2%	6.5%	2.2%	100.0%

Felt everything did as effort, how often past week

		None or almost none of the time	Some of the time	Most of the time	All or almost all of the time	Total
ESS round	Wave 3 (2006)	43.7%	40.4%	11.9%	4.0%	100.0%
	Wave 6 (2012)	44.4%	38.9%	12.5%	4.2%	100.0%
Total		44.1%	39.6%	12.2%	4.1%	100.0%

Sleep was restless, how often past week

		None or almost none of the time	Some of the time	Most of the time	All or almost all of the time	Total
ESS round	Wave 3 (2006)	42.8%	38.7%	13.2%	5.3%	100.0%
	Wave 6 (2012)	43.9%	38.4%	12.6%	5.2%	100.0%
Total		43.4%	38.5%	12.8%	5.2%	100.0%

Were happy, how often past week

		None or almost none of the time	Some of the time	Most of the time	All or almost all of the time	Total
ESS round	Wave 3 (2006)	5.8%	25.7%	46.7%	21.9%	100.0%
	Wave 6 (2012)	5.2%	24.9%	46.6%	23.4%	100.0%
Total		5.4%	25.2%	46.6%	22.7%	100.0%

Felt lonely, how often past week

		None or almost none of the time	Some of the time	Most of the time	All or almost all of the time	Total
ESS round	Wave 3 (2006)	64.9%	25.5%	6.4%	3.2%	100.0%
	Wave 6 (2012)	65.1%	25.4%	6.6%	3.0%	100.0%
Total		65.0%	25.4%	6.5%	3.1%	100.0%

Enjoyed life, how often past week

		None or almost none of the time	Some of the time	Most of the time	All or almost all of the time	Total
ESS round	Wave 3 (2006)	6.8%	26.7%	43.4%	23.1%	100.0%
	Wave 6 (2012)	6.3%	26.2%	42.7%	24.8%	100.0%
Total		6.5%	26.4%	43.0%	24.1%	100.0%

Felt sad, how often past week

		None or almost none of the time	Some of the time	Most of the time	All or almost all of the time	Total
ESS round	Wave 3 (2006)	49.4%	41.6%	6.6%	2.4%	100.0%
	Wave 6 (2012)	48.3%	42.3%	7.0%	2.4%	100.0%
Total		48.8%	42.0%	6.8%	2.4%	100.0%

End of: **5.1.9:** (12'34") Using syntax to repeat analyses on new data

Back to: **MacInnes (2017)**
Back to: 5.1.8 Producing standardised variables with DESCriptives

Forward to: **5.1.10 Creating and downloading a data extract from GSS**