

Case 1: Column headers are values, not vari

country	0-17	18-65	65
EU	7	6	6
US	5	2	5

Case 2: Multiple variables are stored in on

country	M-C	M-A	F-C	F-A
EU	7	6	6	0
US	5	2	5	2

Case 3: Variables are stored in both rows a

country	stat	value
EU	min	3
EU	max	8
US	min	2
US	max	9

Case 4: Multiple types of observational uni

Sheet1

country	state	km^3	year	event
EU	UK	244820	2015	0
EU	FR	643801	2015	4
EU	CH	41290	2015	5
US	WA	184665	2016	6
US	CA	403933	2016	3
EU	UK	244820	2015	4
EU	FR	643801	2015	5
EU	CH	41290	2015	3
US	WA	184665	2016	2
US	CA	403933	2016	1

Case 5: A single observational unit is stor

EU

state	km^3
UK	244820
FR	643801
CH	41290

US

state	km^3
WA	184665
CA	403933

table names

country	age	freq
EU	0-17	7
EU	18-65	6
EU	65	6
US	0-17	5
US	18-65	2
US	65	5

ie column

country	gender	class	freq
EU	M	C	7
EU	M	A	6
EU	F	C	6
EU	F	A	0
US	M	C	5
US	M	A	2
US	F	C	5
US	F	A	2

ind columns

country	min	max	
EU	3	8	
US	2	9	

ts are stored in the same table

id	country	state	km^3
1	EU	UK	244820
2	EU	FR	643801
3	EU	CH	41290
4	US	WA	184665
5	US	CA	403933

id	year	event
1	2015	0
2	2015	4
3	2015	5
4	2016	6
5	2016	3
1	2015	4
2	2015	5
3	2015	3
4	2016	2
5	2016	1

ed in multiple tables

country	state	km^3
EU	UK	244820
EU	FR	643801
EU	CH	41290
US	WA	184665
US	CA	403933