



Introduction to Statistics

Exercises 12

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PROBLEM 1. The following table is taken from a 2002 study in the [Journal of Peace Research](#) and relates engagement in domestic wars to level of political competition in a number of countries.

Involvement in domestic war	Repressed	Political Competition			Competitive	Total
		Suppressed	Factional	Transitional		
No	13	14	26	40	35	
Yes	1	2	9	11	1	
Total						152

Is there any evidence of a relationship between level of Political Competition and involvement in domestic conflicts? Are there any problems with the analysis? In the case of yes, what could you do?

PROBLEM 2. It is sometimes argued that if a country has a state religion, then this may limit the freedom of its citizens. The table below from a 2012 [Freedom House](#) report relates presence or absence of a state religion to level of freedom in 194 countries.

Level of freedom	State religion?		Total
	Yes	No	
Not free	31	17	
Part free	50	9	
Free	78	9	
Total			194

Is there any evidence of a link between presence of a state religion and level of freedom of citizens?