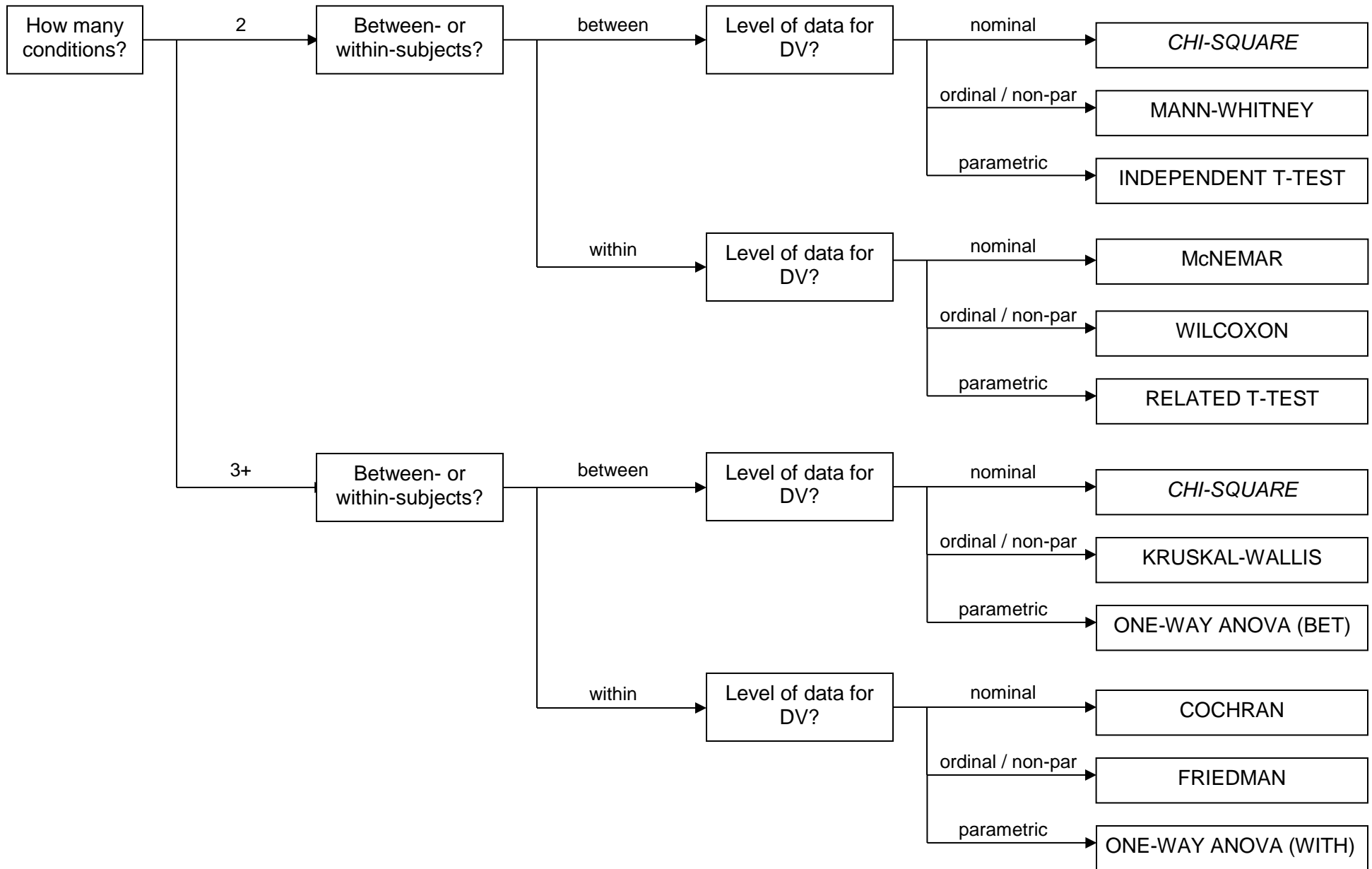
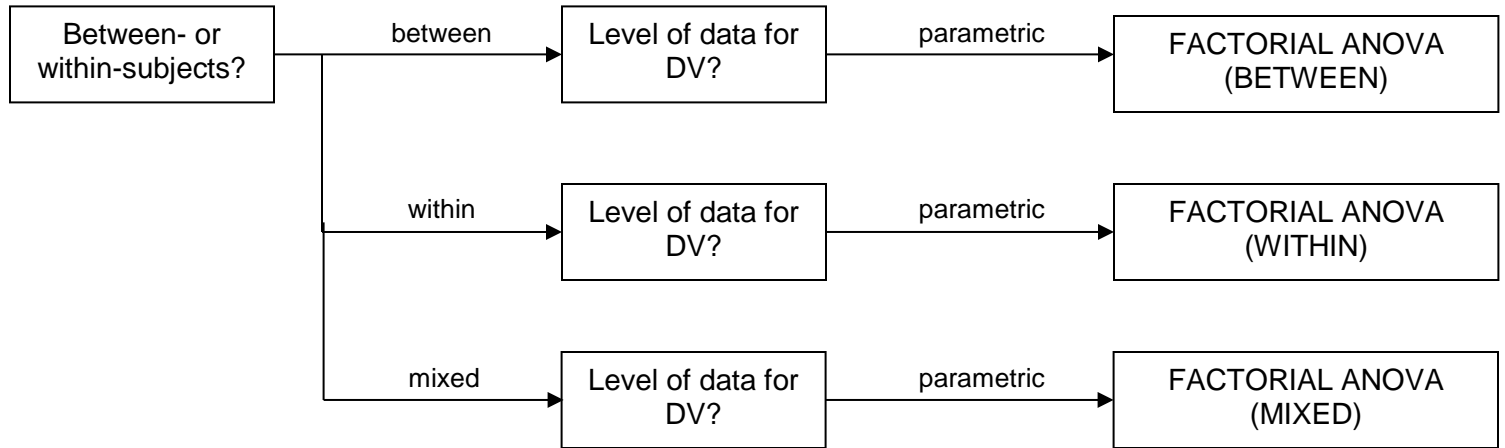


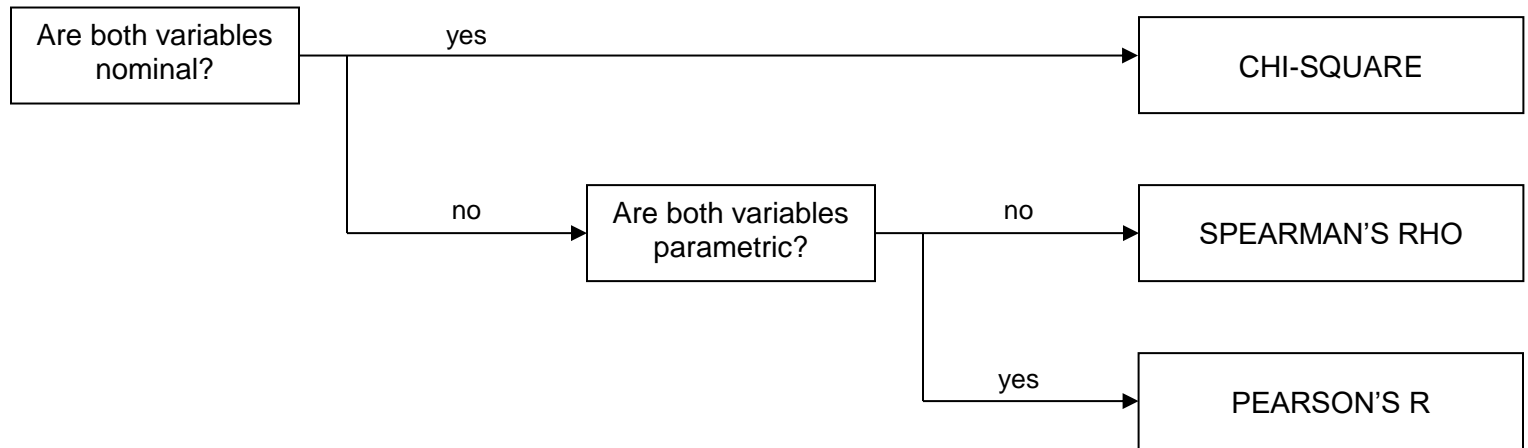
DECISION CHART – BIVARIATE TESTS – GROUP DIFFERENCES – ONE INDEPENDENT VARIABLE



DECISION CHART – BIVARIATE TESTS – GROUP DIFFERENCES – TWO OR MORE INDEPENDENT VARIABLES



DECISION CHART – RELATIONSHIPS BETWEEN TWO VARIABLES



DECISION CHART – MULTIVARIATE TESTS

Major Research Question	No. (Kind) of DVs	No. (Kind) of IVs	Covariates	Test
Significance of group differences	Multiple (cont)	One (disc)	None	One-way MANOVA or Hotelling's T^2
			Some	One-way MANCOVA
		Multiple (disc)	None	Factorial MANOVA
			Some	Factorial MANCOVA
Predicting quantitative outcomes	One (cont)	Multiple (cont)	None	Multiple regression
			Some	Sequential multiple regression
	Multiple (cont)	Multiple (cont)	None	Canonical regression
	None	Multiple (disc)	None	Multiway frequency analysis
Prediction of group membership	One (disc)	Multiple (cont)	None	One-way discriminant function
			Some	Sequential one-way discriminant function
		Multiple (disc)	None	Multiway frequency analysis (logit)
			Some	Logistic regression
		Multiple (cont/disc)	None	Sequential logistic regression
			Some	Sequential logistic regression
Multiple (disc)	Multiple (cont)	None	Factorial discriminant function	
		Some	Sequential factorial discriminant function	
Structure	Multiple (cont)	Multiple (cont)	None	Factor analysis
				Principal components analysis
				Structural equation modelling
Time course of events	One (time)	None/One/Multiple	None/Some	Survival analysis
	One (cont)	One (time)	None/Some	Time-series analysis (forecasting)
		Multiple (inc. time)	None/Some	Time-series analysis (intervention)

Adapted from Tabachnick and Fidell (2001: 27-29).