Choosing the Appropriate Tests

		Dependent Variable			
		Dichotomous	Nominal	Ordinal	Continuous
Independent Variable	Dichotomous	chi^2, φ, [γ, τ$_b$] [Logit]	chi^2, [V, λ] [Mlogit]	chi^2, [d, γ, τ$_c$] [Ologit]	t-test [OLS]
	Nominal	chi^2, [V, λ] [Logit]	chi^2, V, λ [Mlogit]	chi^2 [Ologit]	ANOVA [OLS]
	Ordinal	chi^2, [d, γ, τ$_c$] [Logit]	chi^2 [Mlogit]	chi^2, d, γ, τ$_b$, τ$_c$ [Ologit]	ANOVA [OLS]
	Continuous	Logit	Mlogit	Ologit	OLS

Note: Tests in [square brackets] are less appropriate for bivariate testing but may still provide useful information. These variable configurations are fine to include in a multivariate model, though.

Abbr.	Test
chi^2	Crosstabulation with chi-square test
t-test	Independent or Paired Samples t-test
ANOVA	Analysis of variance
OLS	Linear regression (i.e., Ordinary Least Squares)
Logit	Binary logistic regression
Mlogit	Multinominal logistic regression
Ologit	Ordered/Ordinal logistic regression
φ	Phi coefficient
V	Cramer's V
λ	Lambda
d	Somers' d
γ	Gamma
τ$_b$	Tau-b
τ$_c$	Tau-c