

Appendix 10.1

*Statements used by four SEM software programs to request different estimation methods*

Estimation Methods	Amos 18.0	EQS 6.1	Lisrel 8.8 (Simplis)	Mplus 6
FIML	View → analysis properties: Estimation tab → check “estimate means and intercepts” Output tab → check “observed information matrix”	/Specifications matrix=raw; analysis=moment; method=ML; missing=ML; SE=observed;	Missing Value Code -999 Raw Data from File ‘C:\...’ Options: me=ML	Variables: Missing are all (-999); Analysis: Estimator=ML; Information =observed;
ML with Satorra-Bentler scaled $\chi^2$ and robust standard errors	NA	/Specifications matrix=raw; method = ML, robust;	Covariance Matrix from File ‘C:\...’ Asymptotic Covariance Matrix from File C:\... Options: me=ML	Analysis: Estimator = MLM;
ADF/WLS	View → analysis properties: Estimation tab → check “Asymptotically distribution-free” under “Discrepancy”	/Specifications matrix=raw; method=AGLS;	Covariance Matrix from File ‘C:\...’ Asymptotic Covariance Matrix from File C:\... Options: me=WLS	Analysis: Estimator = WLS;
Default estimator for categorical data	File → Data files: Check “allow non-numeric data” → OK Analyze → Bayesian Estimation	/Specifications matrix=raw; categorical = V1-Vn; method=ML, robust;	Correlation Matrix from File ‘C:\...’ Asymptotic Covariance Matrix from File C:\... Options: me=ML	Variable: Categorical are V1-Vn; Analysis: Estimator = WLSMV;
Bayesian	Analyze → Bayesian Estimation	NA	NA	Analysis: Estimator = BAYES;

*Note.* NA = not available. V1-Vn = user defined variable names.