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| --- | --- | --- | --- | --- | --- |
|  | Assumptions | *Wm* and *Wm,B* | *Wc(m)* and *Wc(m), B* | *Um* and *Um,B* | *Γ* |
| Version 1 | * Normality * Hypothesized model is correctly specified | Observed information matrix, evaluated at *structured* estimates | *Observed* information matrix, evaluated at *structured* estimates | Residual weight matrix, evaluated at *structured* estimates | Based on the assumptions, *Γ=Wm-1.* |
| Version 2 | * Hypothesized model is correctly specified | Observed information matrix, evaluated at *structured* estimates | *Observed* information matrix, evaluated at *structured* estimates | Residual weight matrix, evaluated at *structured* estimates | Estimate of the asymptotic covariance matrix of the FIML estimates, evaluated with saturated estimates |
| Version 3 | * Normality * Hypothesized model is correctly specified | Observed information matrix, evaluated at *structured* estimates | *Expected* information, evaluated at *structured* estimates | Residual weight matrix, evaluated at *structured* estimates | Based on the assumptions, *Γ=Wm-1.* |
| Version 4 | * Hypothesized model is correctly specified | Observed information matrix, evaluated at *structured* estimates | *Expected* information matrix, evaluated at *structured* estimates | Residual weight matrix, evaluated at *structured* estimates | Estimate of the asymptotic covariance matrix of the FIML estimates, evaluated with saturated estimates |
| Version 5 | * Normality | Observed information matrix, evaluated at *saturated* estimates.  In this case,  *Wm* = *Wm,B.* | *Observed or expected* information, evaluated at *saturated* estimates.  In this case,  *Wc(m) =Wc(m), B.* | Residual weight matrix, evaluated at *saturated* estimates | Based on the assumptions1, *Γ=Wm-1*= *Wm,B-1.* |
| Version 6 | None | Observed information matrix, evaluated at *saturated* estimates  In this case,  *Wm* = *Wm,B.* | *Observed or expected* information matrix, evaluated at *saturated* estimates.  In this case,  *Wc(m) =Wc(m), B.* | Residual weight matrix, evaluated at *saturated* estimates | Estimate of the asymptotic covariance matrix of the FIML estimates, evaluated with saturated estimates |

1 In this case, we also need the assumption that the saturated model is correctly specified, which is always true.