**PSQF 7375 Longitudinal MLM Formative Assessment #3**

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| **Model  Parameters:** | **Otherwise known as  (list synonyms):** |  | **GLM:** |  | **For Multilevel Models: Time = 0,1,2,3** | | |
|  | Single-Level  Empty Means Model |  | Empty Means, Random Intercept Model | Fixed Linear Time,  Random Intercept Model | Random Linear Time Model |
|  |  |  |  |  |  |
|  | yi = β0 + ei |  | yti = β0i + eti | yti = β0i + β1i Timeti + eti | yti = β0i + β1iTimeti + eti |
|  |  |  | β0i = γ00 + U0i | β0i = γ00 + U0i | β0i = γ00 + U0i |
|  |  |  |  | β1i = γ10 | β1i = γ10 + U1i |
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| Terms that are Fixed Effects (and their interpretations  in that model) |  |  |  |  |  |  |  |
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| Terms that  will have  Level-2  variances  (and their interpretations  in that model) |  |  |  |  |  |  |  |
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| Terms that  will have  Level-1  variances  (and their interpretations  in that model) |  |  |  |  |  |  |  |
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