**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-LevelEmpty 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 |
|  |   |  |   |   |   |
| Terms that are Fixed Effects(and their interpretations in that model) |        |  |        |  |        |        |        |
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| Terms that will haveLevel-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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