ps and outcome model

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Propensity Score DGM

$$log(\frac{p_{jk}}{1-p_{jk}}) = 1 + X_{jk} + A_{jk} + B_{jk} + U_jk + X_{jk}^2 + A_{jk}^2 + X_{jk}A_{jk} + W_{jk} + C_{jk} + L_{jk} + L_{jk}^2 +$$

$$W_{jk}X_{jk} + C_{jk}W_{jk} + Z_k + G_k + H_k + Z_kX_{jk} + r_k + u_{jk}$$

Outcome DGM

I don't think I added the other covariates that I created. Probably should :D

$$Y0_{ijk} = 1 + X_{ijk} + X_{ijk}^2 + X_{ijk}^3 + U_ijk + W_jk + W_{jk}^2 + W_{jk}^3 + Z_k + X_{ijk}W_{jk} + X_{ijk}A_{ijk} + r_k + ujk$$