$$Estimated\ Probability(y_i = 1) = Logit^{-1}(\alpha + \alpha_{j[i]}^{NAICS3} + \alpha_{k[i]}^{NAICS6:NAICS3} +$$

$$\alpha_{l[i]}^{Agency} + \alpha_{m[i]}^{Office:Agency} + \beta_1 cl\_def3\_HHI\_lag1_i + \beta_2 cl\_def6\_HHI\_lag1_i +$$

$$(\beta_3 1Offr + \beta_4 2Offr + \beta_5 3{-}4Offr_i + \beta_6 5plusOffr_i) + \beta_7 cl\_def3\_ratio\_lag1_i +$$

$$\beta_8 cl\_def6\_obl\_lag1_i + \beta_9 cl\_def6\_ratio\_lag1_i + \beta_{10} cl\_US6\_avg\_sal\_lag1_i +$$

$$\beta_{11} cl\_Ceil\_Then\_Year_i + \beta_{12} cl\_Days_i + (\beta_{13} SIDC_i + \beta_{14} MIDC_i +$$

$$\beta_{15} FSS{-}GWAC_i + \beta_{16} BPA{-}BOA_i) + (\beta_{17} Other\_FP_i + \beta_{18} Incentive_i +$$

$$\beta_{19} Comb{-}Other_i + \beta_{20} Other\_CB_i + \beta_{21} TM{-}LH{-}FPLOE_i) + \beta_{22} b\_UCA_i +$$

$$\beta_{23} b\_Intl_i + \beta_{24} cl\_def6\_HHI\_lag1l_i \cdot cl\_def6\_obl\_lag1_i +$$

$$\beta_{25} cl\_def6\_HHI\_lag1_i \cdot b\_UCA_i + \beta_{26} cl\_Ceil\_Then\_Year_i \cdot b\_UCA_i +$$

$$(\beta_{27} 1Offr_i \cdot b\_UCA_i + \beta_{28} 2Offr_i \cdot b\_UCA_i + \beta_{29} 3{-}4Offr_i \cdot b\_UCA_i +$$

$$\beta_{30} 5plusOffr_i \cdot b\_UCA_i) + \varepsilon_i), \quad for\ i = 1\ to\ 999,993$$

$$a_j^{NAICS3} \sim N(\mu_\alpha, \sigma_\alpha^2), \quad for\ j = 1\ to\ 82$$

$$a_k^{NAICS3:NAICS6} \sim N(\mu_\alpha, \sigma_\alpha^2), \quad for\ k = 1\ to\ 973$$

$$a_l^{Agency} \sim N(\mu_\alpha, \sigma_\alpha^2), \quad for\ l = 1\ to\ 24$$

$$a_m^{Agency:Office} \sim N(\mu_\alpha, \sigma_\alpha^2), \quad for\ m = 1\ to\ 1,462$$