Specific Subcategories May be Noisy

From the data, for example,

 $prob(N AND I AND F | R) \times prob(R) =$ (4/27) × (27/200) = 0.0200

 $prob(N AND I AND F | B) \times prob (B) =$ (3/27) × (27/200) = 0.0150

 $prob(N AND I AND F | W) \times prob(W) =$ (4/83) × (83/200) = 0.0200

 $prob(N AND I AND F | G) \times prob (G) =$ (2/64) × (63/200) = 0.0100 Blue is the best guess for the model used to generate the data. These are both incorrect due to statistical variation.