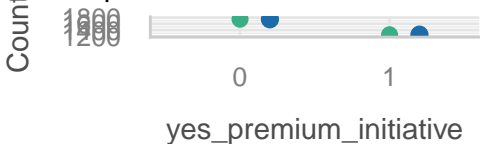


Posterior Predictive Check

Model-predicted intervals should include observed data points



Observed data (green dots) and Model-predicted data (blue dots) are plotted against the predicted probability of yes_premium_initiative. The x-axis ranges from 0 to 1. The y-axis shows counts from 0 to 1200. The observed data points are mostly clustered around 0.5, while the model-predicted data points are more spread out, indicating a good fit.

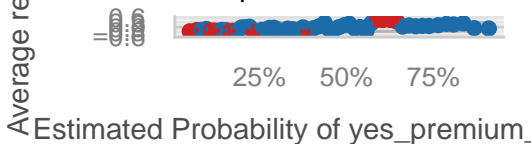
Influential Observations

Points should be inside the contour line



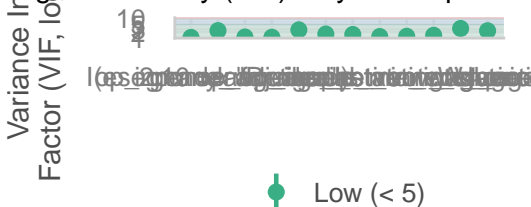
Binned Residuals

Points should have similar error bounds



Collinearity

High collinearity (VIF) may inflate parameter estimates



Low (< 5)