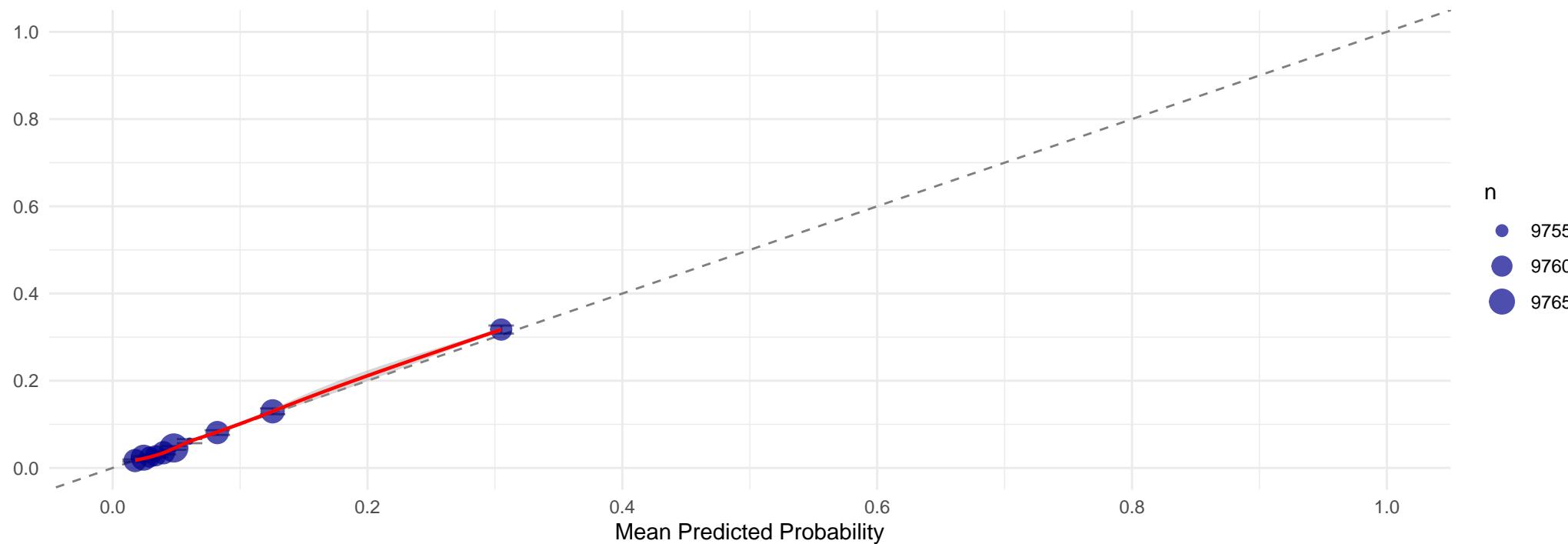


Diagnostic Analysis – Firth Logit

Calibration Plot – Firth Logit

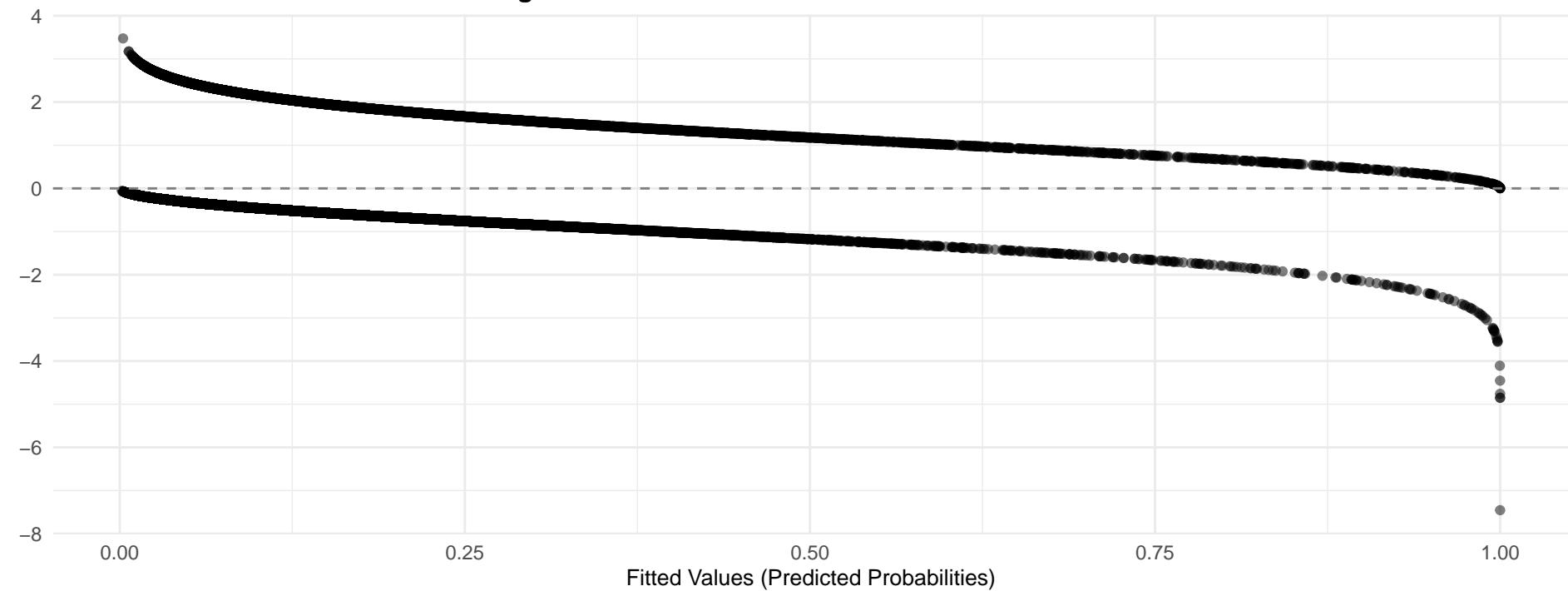
Hosmer–Lemeshow test: $\chi^2 = 33.32$, df = 8, p = 0.000

Observed Proportion



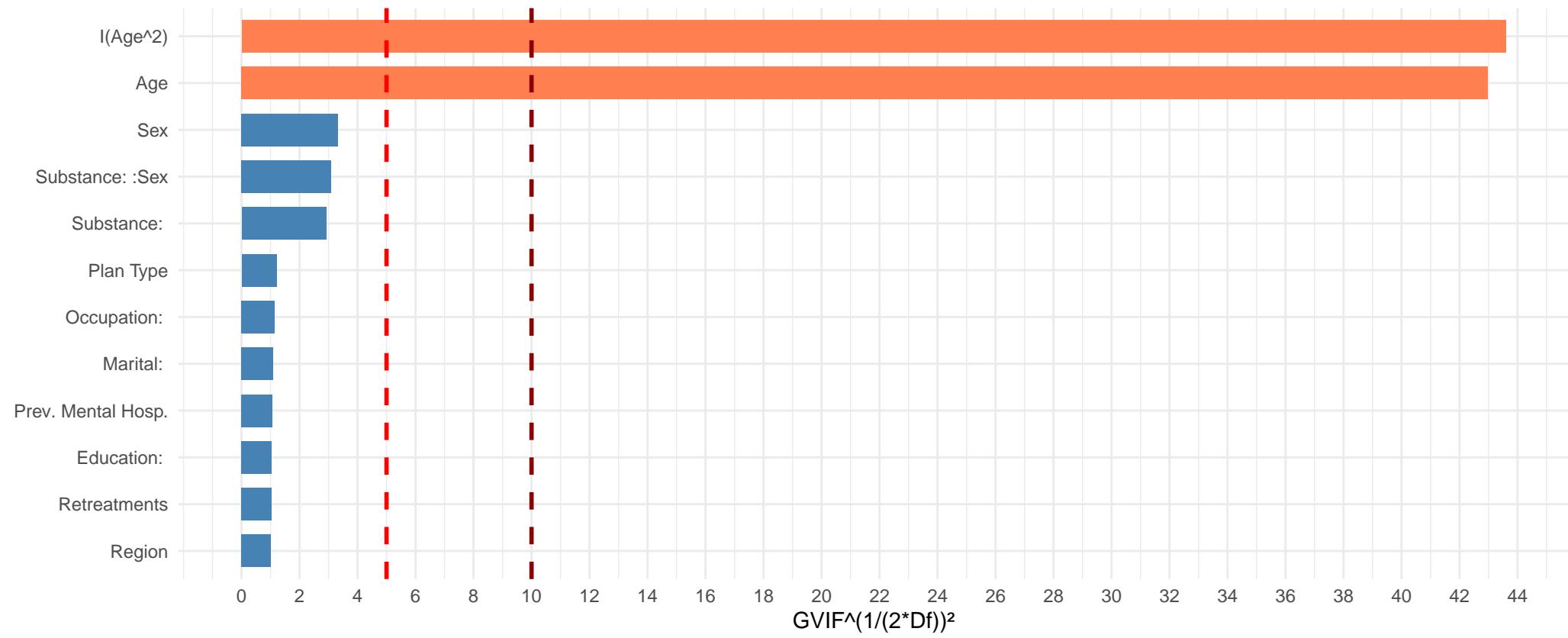
Residuals vs Fitted Values – Firth Logit

Deviance Residuals



Multicollinearity Assessment (GVIF) – Firth Logit

GVIF $^{(1/(2*Df))}$ squared values; Red lines at 5 and 10



GVIF < 5 GVIF = 5