agr1<-with(estagr[estagr$bointun!=0,],glm(fe\_est~mal\_agr+I(fe\_estug^2),family="poisson",na.action="na.exclude"))

Call:

glm(formula = fe\_est ~ mal\_agr + I(fe\_estug^2), family = "poisson",

na.action = "na.exclude")

Deviance Residuals:

Min 1Q Median 3Q Max

-44.778 -5.613 0.345 6.712 13.055

Coefficients:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 6.827e+00 4.648e-03 1468.66 <2e-16 \*\*\*

mal\_agr -1.426e-02 1.363e-03 -10.46 <2e-16 \*\*\*

I(fe\_estug^2) 1.365e-05 7.585e-08 179.98 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Null deviance: 38312 on 157 degrees of freedom

Residual deviance: 13295 on 155 degrees of freedom

(12 observations deleted due to missingness)

AIC: Inf

Number of Fisher Scoring iterations: 4

agr1<-with(estagr[estagr$bointun!=0,],glm(mal\_agr~fe\_estug+I(fe\_estug^2),family="poisson",na.action="na.exclude"))

Call:

glm(formula = mal\_agr ~ fe\_estug + I(fe\_estug^2), family = "poisson",

na.action = "na.exclude")

Deviance Residuals:

Min 1Q Median 3Q Max

-2.3493 -1.0959 -0.2754 0.6213 2.7060

Coefficients:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 1.065e+00 2.321e-01 4.590 4.44e-06 \*\*\*

fe\_estug 7.103e-05 3.600e-03 0.020 0.984

I(fe\_estug^2) -1.136e-05 1.272e-05 -0.893 0.372

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

(Dispersion parameter for poisson family taken to be 1)

Null deviance: 222.87 on 157 degrees of freedom

Residual deviance: 212.27 on 155 degrees of freedom

(12 observations deleted due to missingness)

AIC: 609.46

Number of Fisher Scoring iterations: 5