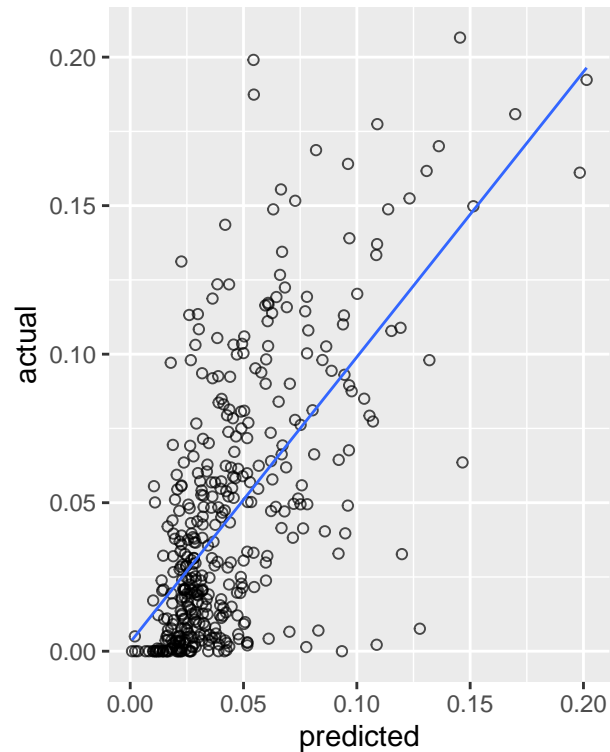FNT: GLM binomial reduced