

Homework 2:

Quantitative Research Methods

GLM on PKK Attacks

Due before class Monday, March 28, 2022

The purpose of this homework is to familiarize yourself with applying and presenting GLMs. In the homework folder, you will find a data file named `TurkeyPKKvotes.rda`. There are many variables. Basically, the question is whether or not the PKK is more or less likely to attack where the vote margin from the previous election is close. We used three outcome variables: *attack_p22*, *nkill_n_p22*, and *nwound_n_p22*. These are proxies for the level of violence at the municipality level. The main explanatory variable is *margin*. This represents the closeness of the previous electoral results between the government and the Kurdish parties. There are also many potential controls. The names are fairly intuitive, but if you need clarification just ask.

Your job is to pick one outcome variable, run an appropriate GLM with *margin* as the explanatory variable, and include any controls that you deem relevant. What I expect is one section briefly justifying your choice of controls, and one section with the results. You should include a table and a coefficient plot, and you should somehow meaningfully discuss the substantive interpretation. Please also include your R code, and in the report discuss any transformations you thought necessary (if any). Please, even if you use Word, convert your report to a pdf.