POL304 Assignment 1

Talia Fabregas

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```
## loading packages
# install.packages("tidyverse")
# install.packages("janitor")
# install.packages("dplyr")
# install.packages("knitr")
library(tidyverse)
library(janitor)
library(dplyr)
library(knitr)

## load the data
chechen_data <- read_csv("chechen.csv")
```

Question 1

What is the research question? (Remember that a research question is general, it does not name specific places or policy areas. Also note that a research question must be open-ended, it is not a yes/no question).

The research question that this paper investigates is: "Does a state's use of indiscriminate violence incite insurgent attacks?"

The research question that this paper investigates is the extent to which a state's use of indiscriminate violence incites insurgent attacks.

Question 2

What is the theory used in the article? [Word limit: 150 words] Do not simply copy/paste from the article. Instead, think carefully what is the set of logically consistent assumptions

that lead to the article's main prediction. Focus on the broad strokes rather than the details. Ask yourself what are the most basic relationships/conditions that must hold in order to derive the article's main prediction. List these assumptions and the relationship among them. For example, if the first assumption is that the Earth is flat and the second assumption is that the edge of the Earth is in the ocean, then a logically consistent prediction would be that we should observe water pouring off of the edge of the Earth into the void. Notice that neither the assumptions nor the prediction need to be true. The assumptions are simplifications of the world; the only requirement is that they are logically consistent with one another.

The theory used in this article is …

Question 3

What is the central research hypothesis. [Answer in one sentence] Remember that, just like the research question and the theory, the hypothesis must be stated in general, rather than specific, terms.

The central research hypothesis is:

Question 4

Table 1 shows the number of villages that were shelled at least once by Russian Artillery and the number of villages that were not shelled during the period of interest.

```
# count how many unique villages in the data set
num_villages <- length(unique(chechen_data$village))

# subset to only include the villages that were shelled at least once
shelled_villages <- chechen_data |>
  filter(fire == 1)

# count the number of unique villages that were shelled
num_shelled = length(unique(shelled_villages$village))

# get the number of unique villages that were not shelled
num_not_shelled = num_villages - num_shelled

# create a data frame
q4 <- data.frame(NumShelled = num_shelled,
                 NumNotShelled = num_not_shelled)
```

```
kable(q4)
```

Table 1: The Number of Villages in the Data Set that Were and Were Not Shelled

NumShelled	NumNotShelled
75	50

Question 5

```
# shelled villages

# non-shelled villages
```

Question 6

Question 7

Question 8

Question 9

```
[1] 4
```

The `echo: false` option disables the printing of code (only output is displayed).

References