

Final Project Milestone #2

- 1) What is your group #?

Our group # is 14.

- 2) Have you met/communicated with your fellow teammates?

Yes. We created a Slack channel for our group and talked on a Skype conference.

- 3) Have you met/communicated with your assigned TF? If not, please provide a reason.

Yes. We completed a three-way handshake by email with our TF.

- 4) Has your team formulated a well-defined question to address in your project, based on the project description and references? If so, please write down the question. If your team hasn't done this yet, that's okay!

In our project, we will attempt to measure the degree to which currently-collected and accessible data can explain murder rates, and how much of the variance in murder rates is due to other factors.

For a high-level structure, we will treat each MSA for each calendar year (each 'MSA-year', so to speak) as one observation. The calendar year will also be a feature. Then, we will split the data on MSA into train and test data sets.

For example, if we have the MSA's: A, B, C, D, E, and F, each for the years 2005 through 2015, our train data set might be MSA's A through D for all years and then our test data set would be MSA's E and F for all years.

Based on this structure, the goal would be to predict the murder rates for the MSA-years E_2005 through E_2015 and F_2005 through F_2015.

- 5) Briefly describe your team's plans for work to be completed by Nov 28 (milestone three). Please assign specific tasks to team members and deadlines for when these tasks are to be completed.

- **David will establish a GitHub repository for the project by Nov 25.**
- **Vlad and/or David and/or Ilan will collect and clean data from various sources (i.e. <https://www.census.gov>, <https://ucr.fbi.gov/ucr-publications>) by Nov 25.**
- **Vlad, David and Ilan will each complete individual EDA assignments by Nov 26.**
- **Vlad will write the description of data for Milestone 3 by Nov 27.**
- **David will summarize the individual EDA findings for Milestone 3 by Nov 27.**
- **Ilan will write the final version of Milestone 3 and submit to Canvas on Nov 28.**