Econ 490
Week 12 Assignment

Deadline: 11:59 pm, ~~Nov 28~~ **Dec 5th** (Monday)

High Frequency Checks (HFCs):

Assume you are about to collect data and you have been asked to write the code for HFCs to improve the data quality. You can either build on your final project or come up with any scenario where primary data is collected (it doesn't have to be in the context of RCTs.) You need to describe the potential issues that are somewhat unique to your project/context, and then discuss what kind of checks you can write to improve the overall data collection process. Your output can either flag data points that are potentially wrong (e.g. outliers et**c.**) or create a tool that will make the life of the field manager easier (e.g. enumerator assignment algorithm)

For this assignment, you need to come up with 3 checks. Each check should consist of the following:

- 1-2 paragraphs to describe the potential issue.
- Code for the check. Note: it doesn't really have to be in Stata, you can use any medium.
- In case your check doesn't require coding (e.g. google earth), then you should attach the final output + steps on how to produce the output.
- Output of your checks. Note: It can be any format (xlsx, word document, graph, shapfile etc.)
- Datasets needed to run the check. You can either simulate data in Stata or use an existing dataset.

The objective of this assignment is to make you think about the potential issues involved in data collection process, and how can we pre-empt them to ensure high quality data.

Note: This is a group assignment, each group has to submit 3 checks.