**This is a documentation of all steps that allow to aggregate shaking maps to designated area, given by a shapefile with polygons**

If one needs to create a set of data for a new country (when a new firm-level survey comes up), those are the rules for data storage:

1. Create a folder with country name (e.g. Colombia) in **data/firm-data**. In it, create a subfolder **“Final-Dataset”** (containing the survey clean dataset), a subfolder **“Materials”** (containing raw survey data) and a subfolder “**Shapefile”**. This is the most important folder.
2. In previously mentioned subfolder **“Shapefile”** create a subfolder **“XXX\_adm\_shp”.** XXX stands for a country abbreviation that is usually the same when one downloads shapefiles. For the purposes of our project, **“XXX\_adm\_shp”** should obligatory contain **“XXX\_adm2.shp”** which has the same districts as firm survey.

If those rules are satisfied, one only needs to run a new .sh file. It will give a final dataset with shaking data that can be then merged with firm survey. We do not merge this final dataset and firm survey automatically since there are several issues that prevent accurate execution.