1. Count the project number group by country name and get the 10 largest one named as **country**.
2. Theme (From In [6])

* Show mjtheme\_namecode and find out it is a list of dictionaries in dataframe
* Create “**theme**” column to split the lists from one row to multiple rows. (data is world\_bank2)
* Split the dictionary keys and values into different columns and naming them as “code” and “name”. (data is world\_bank3)
* Count the project name group by name and get the 10 most major theme names. (data is name)
* Count the project name group by name and get the 10 most major theme codes. (data is code)

1. Fill in the missing

* Get unique value of combination of “name” and “code” to create a “dictionary” to fill in the value (data is name\_code)
* Drop “name” missing rows to get non-missing dictionary to map.
* Merge with name\_code to get the new column of name\_y to get all the names populated. (data is world\_bank4)
* Combine “name\_y” and “code” column to get dictionary format. (data is name\_code\_new)
* Combine all the name\_code rows with same index to get a list.
* Merge name\_code back to world\_bank data to get the name\_code column with all names fill in.