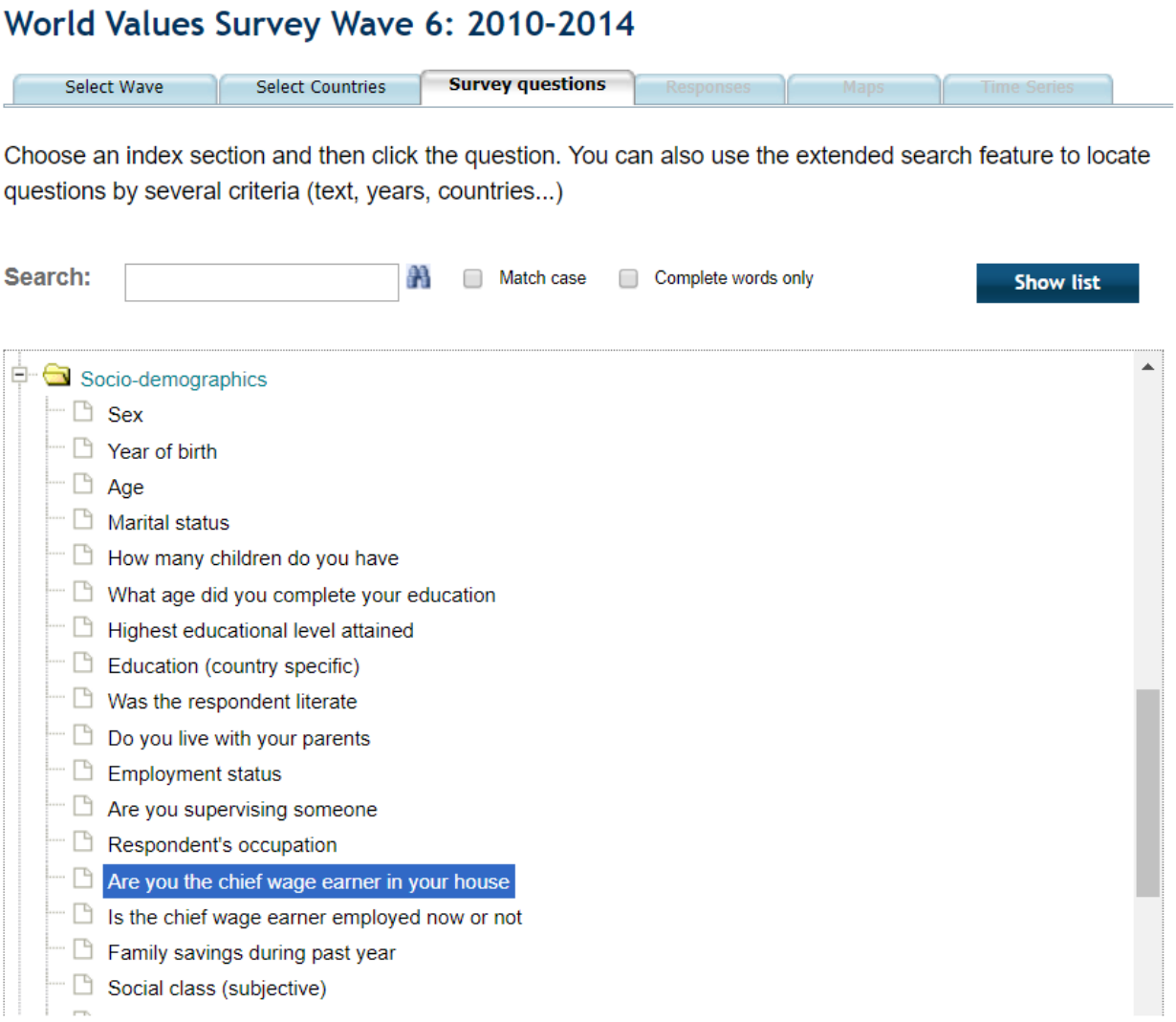
Analytic Trail-1

Step 1: I observed the data from the worldwide survey for the various waves seen in the below image and I observed that the demographics of the counties seemed interesting I had a idea of choosing a demographic of various countries and showing it across a visualization. So basically I chose marital status and age and since the number of participants chosen were around the same for most of the countries I displayed I chose to display this information.



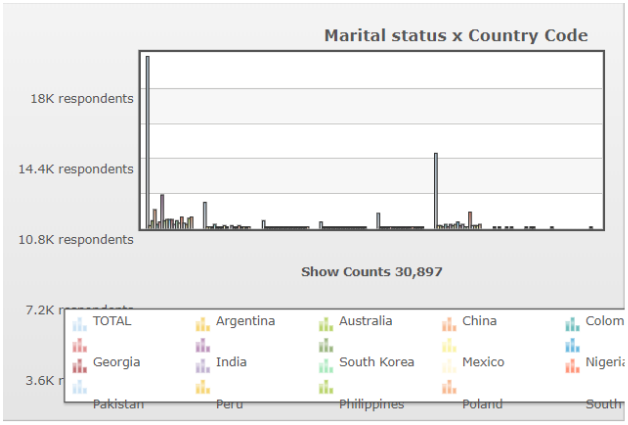
Step 2: Selected the various countries and the various variables associated with marital status and age and then selected the countries available across the 20-year time span which I chose and thus the various visualization charts which came were not of suitable value as shown in the wvs

V57.- Marital status

Cross by -- Change --

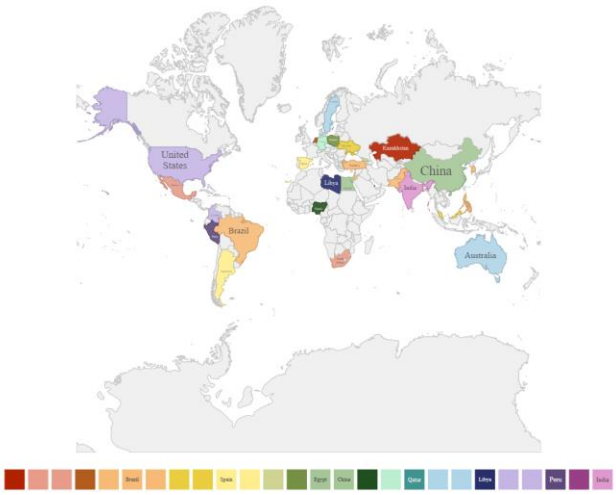
Display Show Counts

	TOTAL	Married	Living together as married	Divorced	Separated	Widowed
Country Code						
Argentina	1,030	359	179	39	66	84
Australia	1,477	783	160	76	40	62
China	2,300	1,922	20	30	4	75
Colombia	1,512	438	446	26	110	58
Georgia	1,202	744	32	39	15	136
India	4,078	3,486	51	9	14	95
South Korea	1,200	753	12	28	6	69
Mexico	2,000	909	365	46	112	77
Nigeria	1,759	907	51	5	3	53
Pakistan	1,200	882	-	2	6	16
Peru	1,210	392	295	28	62	52
Philippines	1,200	841	91	4	37	70
Poland	966	555	44	39	11	105
South Africa	3,531	1,194	349	47	21	238
Spain	1,189	591	105	50	34	84
Sweden	1,206	493	214	74	56	61
Turkey	1,605	1,099	13	44	8	73
United States	2,232	1,213	220	215	51	104
(N)	(30,897)	(17,560)	(2,645)	(800)	(655)	(1,509)



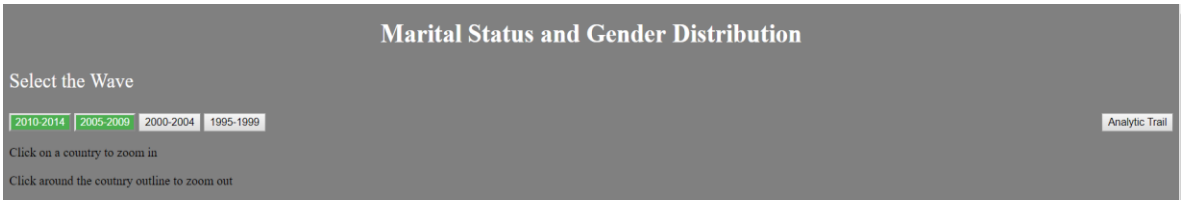
Analytic trail-2

I thought a better way of showing this visualization is to show the selected countries and their various variables across a map and after browsing through the various d3 representations the one I chose felt the most apt for describing the various variables shown. The various variables were that of the marital status (Married,living together,divorced,separated,widowed,single) and of the gender representation(male,female) and thus the representation is as shown below. The various people taking the survey differed according to the countries. The image below is of the overall visualization of data



If you click on a country then a zoomed in feature is present in which you can see in the image below and then the variables are shown in the right hand side there are some countires where the data was not available for a particular time period.

There is also a feature where the user can manipulate throught the various time intervals. Basically my visualization shows the Marital staus and Gender Distribution across various countries of the people who have taken the survey.



Result

The result is a geo-map visualization which presents the survey data across 20 years and it allows the user to switch between the various time periods and view the data od the country chosen with a zoome-in zoomed-out feature.