**ANALYSING THE FERTILITY DISTRIBUTION OF MPS IN GHANA WITH THEIR OCCUPATION.**

Methodology: The columns of interest (occupation and kids) could have been extracted straight using R but they had to be pulled out and edited first to ensure consistency. For instance, Accountant is the same as Accounting and so some occupation names like Accounting, Accountant, Teaching, Teacher had to be changed to Accountant and Teacher etc. for conformity. N/A was also replaced with 0 for MPs who had N/A for their number of kids. More also, MPs who indicated they do multiple jobs had their occupation replaced with "Multiple Occupations". For example, one MP whose occupation is indicated as Accounting/Economics/Journalist will be replaced with "Multiple Occupations".

A contingency table was created using R to better understand the distribution of Kids among MPs by occupation. To understand the data more, a pivot table was created in excel that showed various occupations of the MPs and the number of recorded cases for MPs with 0, 1, 2, 3, 4, 5…12 number of kids. Occupation that recorded the highest case in the categories 0, 1, 2, 3, 4, 5…12. were noted. A bar plot showing the number of kids on the x-axis and the number of recorded cases on the y-axis was then created using this.

Analysis and Observations: as many as 6 MPs who are lawyers had no kid and the maximum number of kids for an MP who is a lawyer is 4. An MP who is a Public Servant recorded having as many as 12 kids. One could say that MPs with Multiple Occupations are quite fertile because from the bar plot, as many as 7 of them have 5 kids.