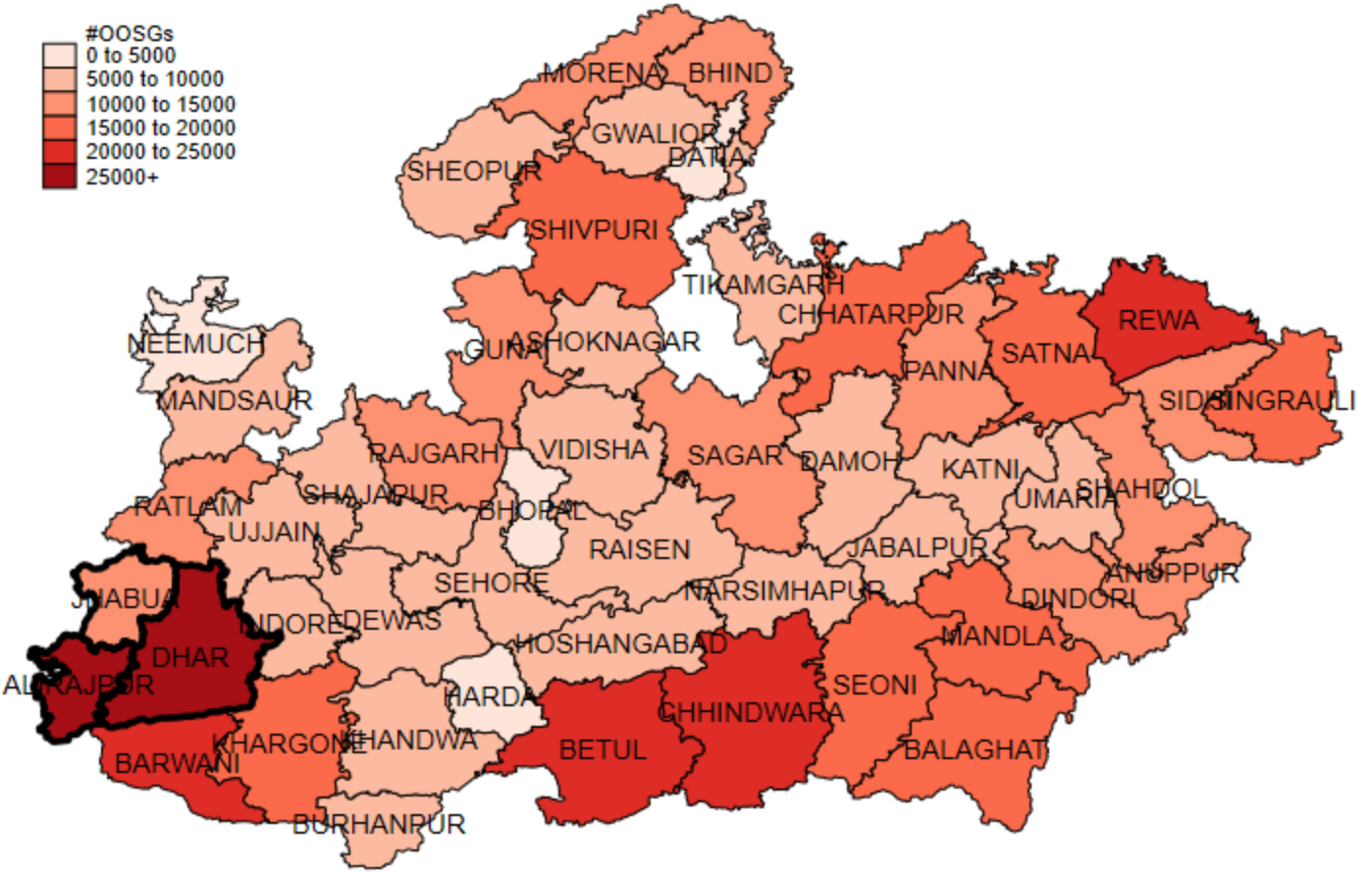
Statistics/Data analysis

```
      name:  <unnamed>
       log:  C:\Users\kishika\OneDrive - The University of Chicago\IDinsight_Technical
> Assignment_2_log file.smcl
  log type:  smcl
 opened on:  21 Feb 2024, 15:20:23

1 . do "C:\Users\kishika\OneDrive - The University of Chicago\IDinsight_Techincal Assign
> ment_2_do file.do"

2 . *Changing the working directory
3 . cd "C:\Users\kishika\OneDrive - The University of Chicago"
C:\Users\kishika\OneDrive - The University of Chicago

4 .
5 . *Importing the required datasets
6 . use "MP district polygons.dta"

7 . use "MP EG districts.dta"

8 . use "MP district predictions.dta"

9 .
10. *Creating the spatial map (base map) for the variable "predictions" using the MP dis
> trict polygons database choosing the color scheme of "Reds" and outlining all the di
> stricts to fill the base map
11. *Giving the title to the base map
12. *Adding the information about the training districts
13. *Naming each district
14. *Adding breaks in the legend
15. *Setting the title of the basemap
16. *Arranging the legend in ascending order
17. *Repositioning the legend
18. *Naming each category in the legend
19. *Using polygon function to overlay the training states on the base map
20.
21. spmap predictions using "MP district polygons.dta" , id(id) fcolor (Reds) ocolor(bla
> ck) ///
> title("Madhya Pradesh district-wise OOSG predictions") ///
> subtitle("Training districts outlined in black" , position(7)) ///
> label(xcoord(x_coord) ycoord(y_coord) label(DISTRICT)) ///
> clmethod(custom) clbreaks (0 5000 10000 15000 20000 25000 9999999) ///
> legtitle("#OOSGs")  ///
> legorder(lohi)  ///
> legend(position(10)) ///
> legend(label(2 "0 to 5000") label(3 "5000 to 10000") label(4 "10000 to 15000") label
> (5 "15000 to 20000") label(6 "20000 to 25000") label(7 "25000+")) ///
> polygon(data("MP EG districts.dta") ocolor(black) osize(0.7))

22.
end of do-file

23. graph save "Graph" "C:\Users\kishika\OneDrive - The University of Chicago\MP_Map.gph
> "
file C:\Users\kishika\OneDrive - The University of Chicago\MP_Map.gph saved

24. log close
      name:  <unnamed>
       log:  C:\Users\kishika\OneDrive - The University of Chicago\IDinsight_Technical
> Assignment_2_log file.smcl
  log type:  smcl
 closed on:  21 Feb 2024, 15:21:12
```

Madhya Pradesh district-wise OOSG predictions



Training districts outlined in black