

Geo 250 Final Project
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Abstract

Introduction

I created these three maps with my goals being that they are... 1. Easy to read and visually appealing. 2. They convey information clearly. And 3. Conclusions can be drawn from them.

Questions

-- Do my maps do a good job of clearly showing all the necessary labels without obscuring any necessary information?

-- What does the spatial distribution of Wisconsin Bobcats look like?

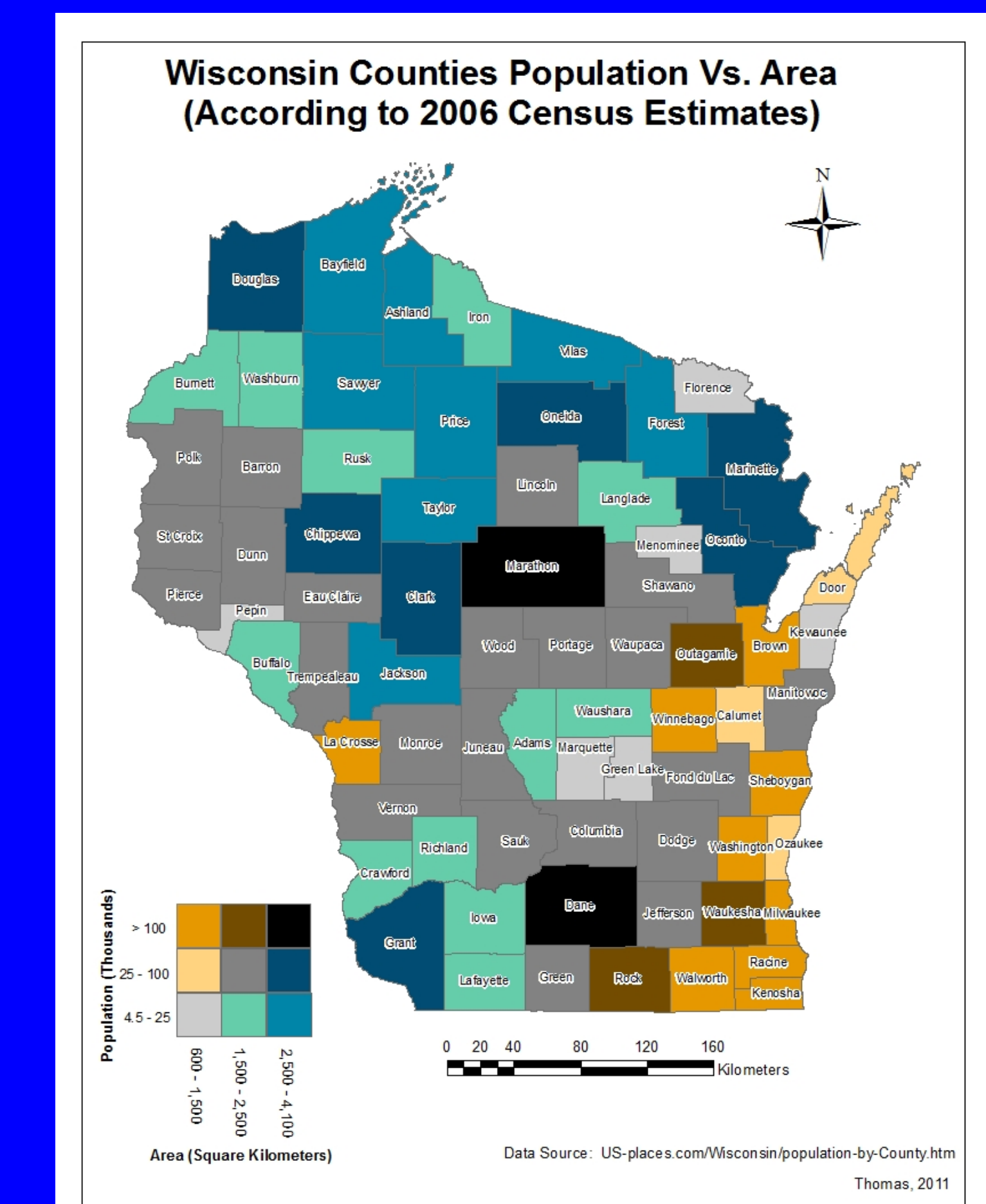
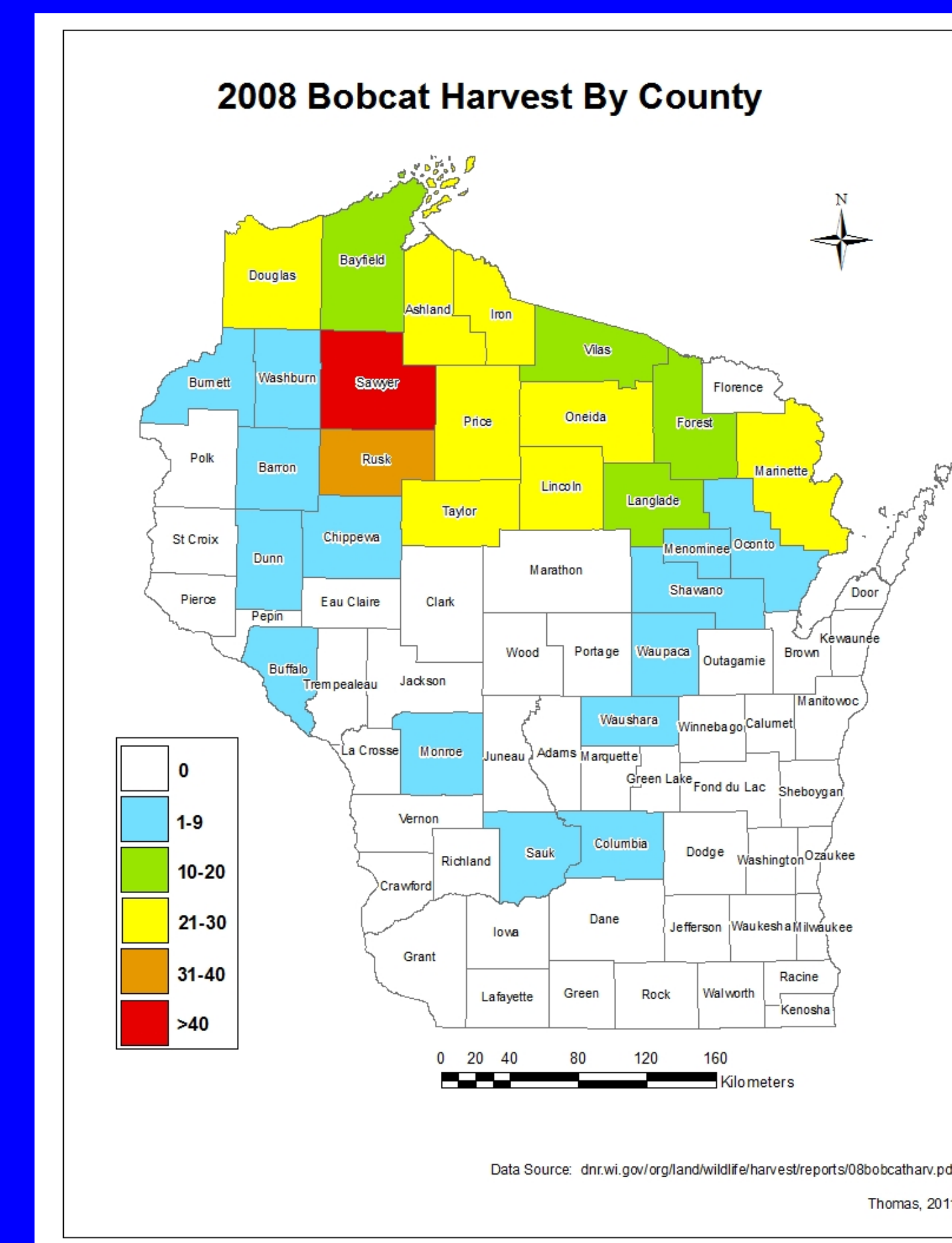
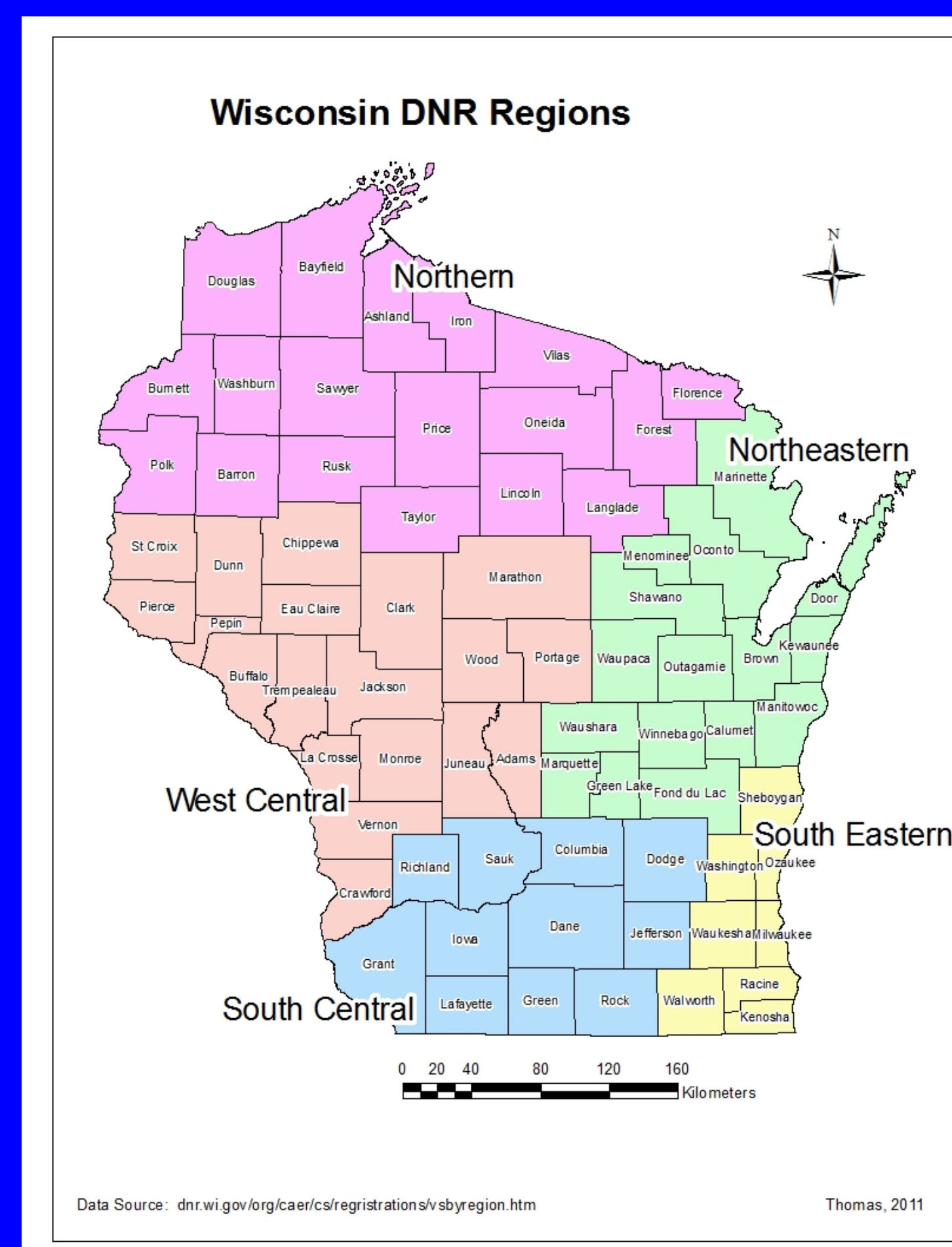
-- Is there a correlation between Bobcat populations and human population density?

Hypotheses

There will be a higher bobcat population in Northern Wisconsin where human populations are less dense.



Results



Methods & Materials

I used ArcMap to organize and display my data. I used the halo option for all of my labels in order to make them stand out more clearly against the background. In my bivariate and choropleth maps I created my legends by drawing a square with the rectangle drawing tool, and then copying and pasting it as many times as I needed.

Discussion

Nearly all the Bobcats harvested in 2008 were in the Northern region of Wisconsin. This also happens to be the region with the lowest population density in the state. This can be seen on the bivariate map which shows that the majority of the counties are in the largest area group, while also being in the lowest population group.

References

Us-places.com/wisconsin/population-by-county.htm
Dnr.wi.gov/org/caer/cs/registrations/vsbyregions.htm
Dnr.wi.gov/org/land/wildlife/harvest/reports/08bcatharv.pdf

Conclusions

As you can see, the majority of Bobcats were harvested in northern Wisconsin. That is also the area with the area with lowest density of people, as can be seen in the bivariate map. These results verified my hypothesis that the Bobcat populations would be higher in places where the human population is sparse.

Acknowledgements

I would like to thank my Cartography professor Mr. J.C. Nelson for helping me to become the skilled cartography student that I am today.