Using the `ggmosaic` Package: Get That Baby Out of Here

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Introduction

The Database, hosted by , contains

The `ggmosaic` package

While mosaic plots have been implemented in a variety of packages in R (R Core Team, 2016), the ordinary grammar of graphics does not support mosaic plots. However, with version 2.0.0 of 'ggplot2' (Wickham, 2009), a way for other R packages to implement custom geoms was introduced. With the R package ggmosaic, a custom ggplot2 geom designed for mosaic plots is implemented.

'ggmosaic' was created primarily using 'ggproto' and the 'productplots' package which was created by Wickham and Hofmann (2016); **?**. They refer to their framework as product plots, alluding to the computation of area as a product of height and width, and the statistical concept of generating a joint distribution from the product of conditional and marginal distributions.

To begin, 'ggmosaic' began as a geom extension of the 'rect' geom with the data handling provided in the 'productplots' package which calculates xmin, xmax, ymin, and ymax for the 'rect' geom to plot.

Visualizing the data

I start by visualizing all of the data I pulled from the database on one map. This

Conclusion

After exploring

References

R Core Team (2016), *R: A Language and Environment for Statistical Computing*, R Foundation for Statistical Computing, Vienna, Austria.

Wickham, H. (2009), *ggplot2: Elegant Graphics for Data Analysis*, Springer-Verlag New York.

Wickham, H. and Hofmann, H. (2016), *productplots: Product Plots for R*, r package version 0.1.1.