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EEB 6485: Data Visualization

Week 6 Homework

For this week’s assignment, I was experimenting with violin plots in R after finding a figure that used confidence intervals and data points in a plot. While not a terrible plot, I wanted to see if I could improve it using some of the principles from Wilke’s book. I tried a variety of violin plots for better visualization of the point distribution and added standard error bars, or a box plot. A challenge of this plot is that there were data points at zero, and nonzero points were not biologically relevant., so I clipped the bottom of the violin plots at zero.

**Article**: Benesh, D. P., & Kalbe, M. (2016). Experimental parasite community ecology: intraspecific variation in a large tapeworm affects community assembly. *Journal of Animal Ecology*, *85*(4), 1004-1013.

**Data:** Benesh, Daniel P.; Kalbe, Martin (2017), Data from: Experimental parasite community ecology: intraspecific variation in a large tapeworm affects community assembly, Dryad, Dataset, <https://doi.org/10.5061/dryad.bq8j8>

Chart, scatter chart

Description automatically generated

Chart

Description automatically generated with low confidenceShape

Description automatically generated with low confidenceDiagram

Description automatically generatedDiagram, timeline

Description automatically generatedDiagram

Description automatically generated