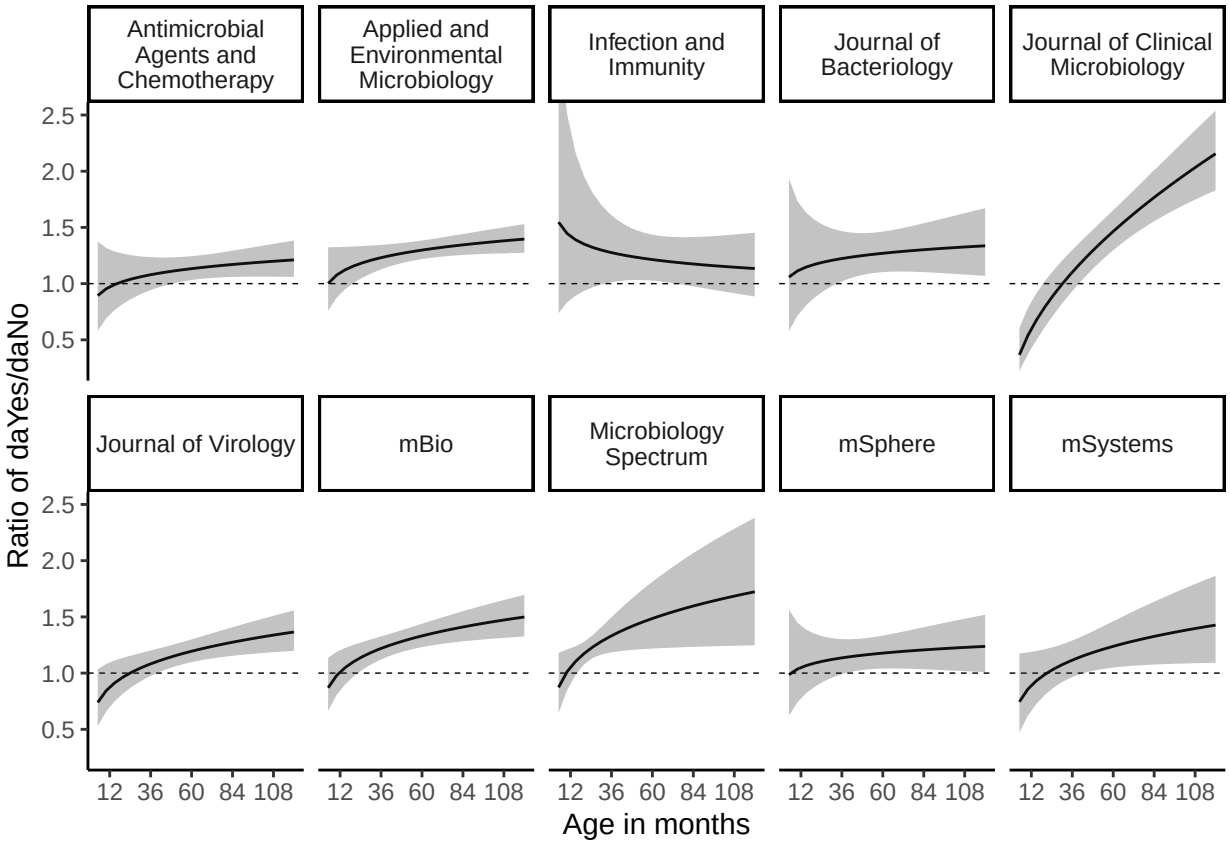
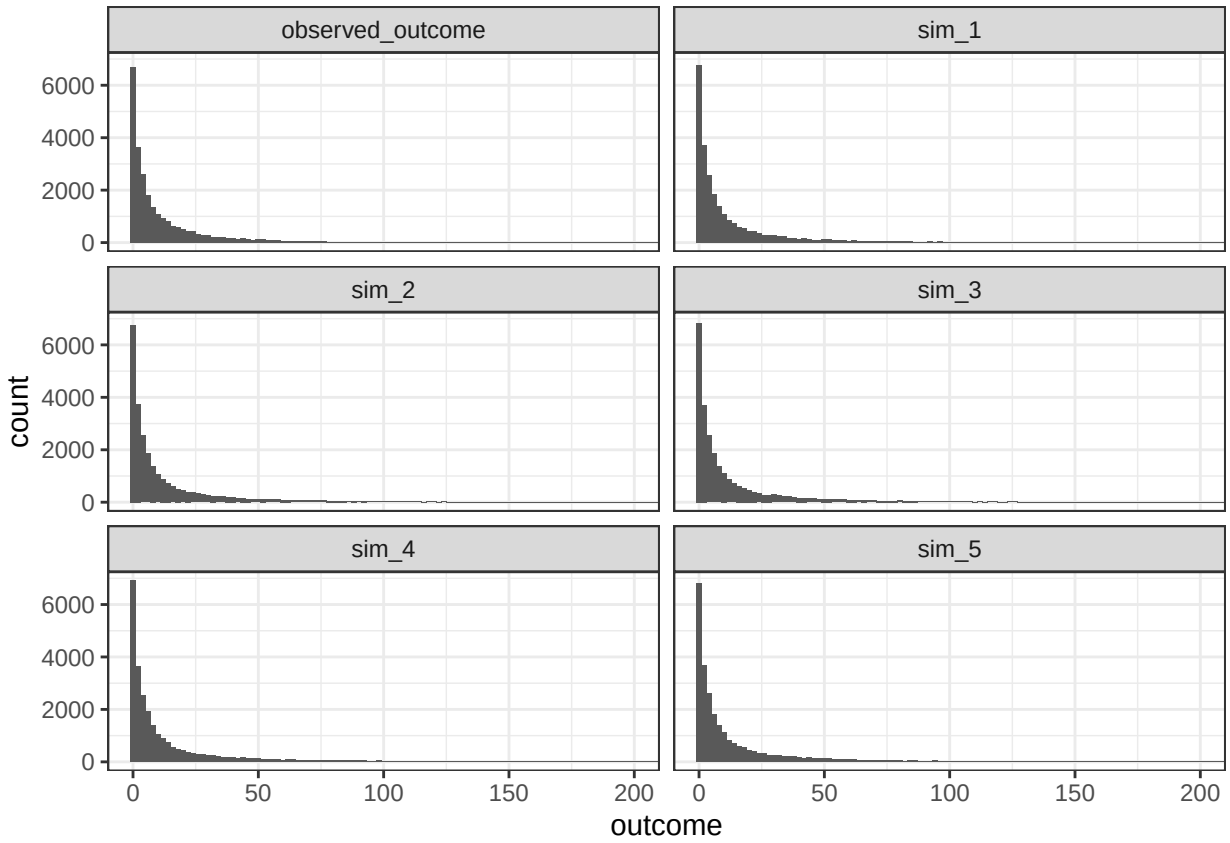
20250801_abner_emmeans.Rmd

2025-08-01

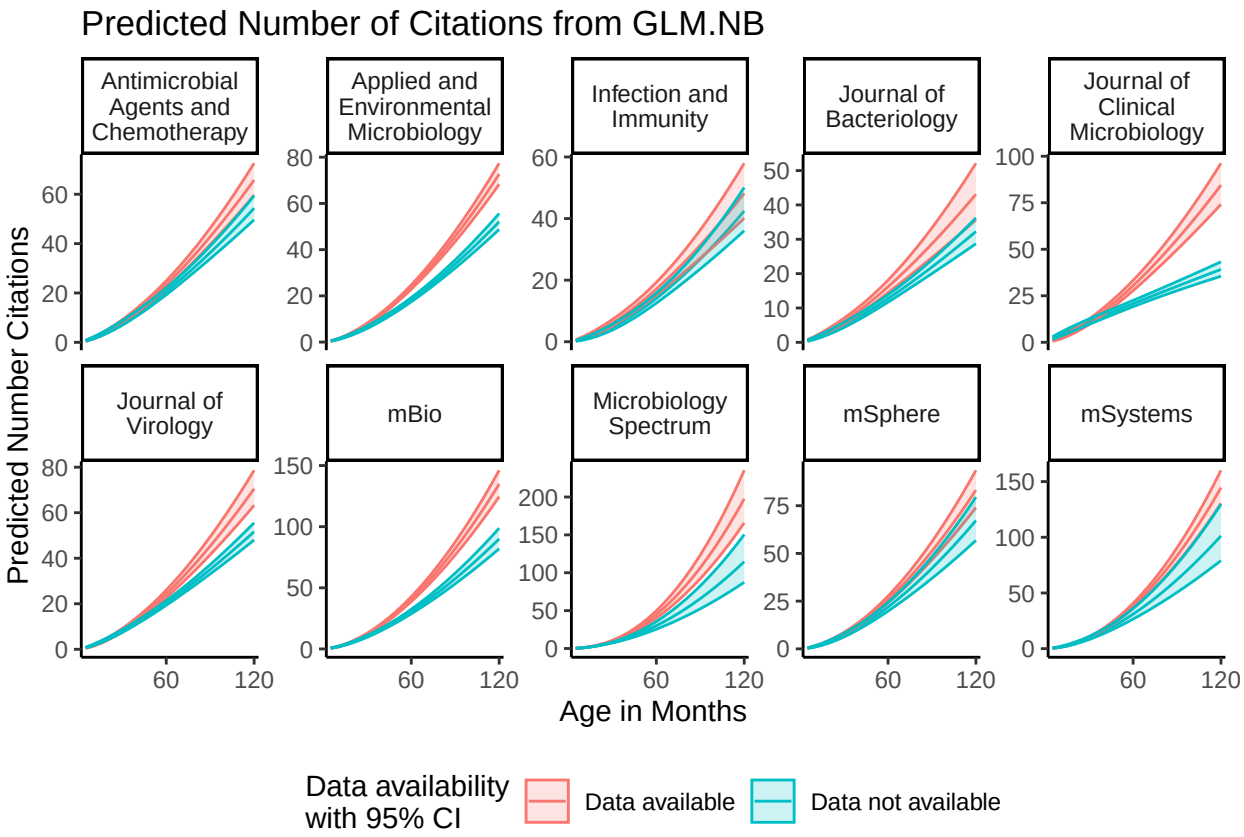
Protocol for all data and then data by journal

1. Fit model and store it
2. Define the age values you want to examine
    - more continuous using seq(1, 120, 4)
3. Get emmeans on the link scale for all combinations
4. Get pairwise comparisons between da factor levels (ratios)
5. Plot the contrasts using geom_ribbon
6. Create the Marginal Predictive Checks
    - These should resemble the observed outcome






```
## Warning in RColorBrewer::brewer.pal(n, pal): n too large, allowed maximum for palette Set1 is 9
## Returning the palette you asked for with that many colors
```



Create Newer Plots from Abner (20250813)

- " Use more different values for age in months and treat them as numbers instead of factors so you can make a smoother plot. This visualization would be more consistent with your model because it uses age as a continuous variable. " - AHB

Previously (20250801)

- "Also, I think this result would be even clearer if you made a plot with"age" in the horizontal axis, "predicted citations" in the vertical axis, and lines colored by "da_factor"." - AHB
- These plots are each made with a different glm.nb model (one for each journal), which is why they are not combined into a faceted plot.