Salmon smolts: answers to all remaining questions

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Abstract

Salmon smolts are really cool, obviously. However, we also lack a full understanding of why they do what they do. Here we fill in that knowledge gap with some data, which we manipulate, analyze, and display in R markdown. Buckle up…

Introduction

We will start out broad and reference some important contributions to the literature. For example, you can reference a paper at the end of a sentence like this (Naman et al. 2014). Alternatively, you may want to refer to a specific study in the text. For example, LoScerbo et al. (2020) is Daniella's recent paper - not about salmon, but still looks really cool. To cite multiple references, separate them with a semi-colon (Bailey and Moore 2020; LoScerbo et al. 2020).

Methods

If you are doing anything mathy, writing in Rmarkdown is great. You can either use markdown or LaTeX syntax for equations. Simple math is easy in markdown - just stick it between two dollar signs. You can mix LaTeX syntax in as well for more complexity.

$E = MC^2$

You can also write maths with LaTeX directly. This is handy if you want equations to be auto-numbered. Below is Bayes' theorem as LaTeX.

$$P(A \mid B) = \frac{P(B \mid A)\, P(A)}{P(B)} \tag{1}$$

References

Bailey, C. J., and Jonathon W. Moore. 2020. "Resource pulses increase the diversity of successful competitors in a multi-species stream fish assemblage." *Ecosphere* 11 (September). doi:10.1002/ecs2.3211.

LoScerbo, Daniella, Maxwell J. Farrell, Julie Arrowsmith, Julia Mlynarek, and Jean Philippe Lessard. 2020. "Phylogenetically conserved host traits and local abiotic conditions jointly drive the geography of parasite intensity." *Functional Ecology*, no. September: 1–11. doi:10.1111/1365-2435.13698.

Naman, S M, P M Kiffney, G R Pess, T W Buehrens, and T R Bennett. 2014. "Abundance and body condition of sculpin (Cottus spp.) in a small forest stream following recolonization by juvenile coho salmon." *River Research and Applications* 30: 360–71. doi:10.1002/rra.