A simple paper example

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Keywords: rmd, markdown, example

Word count: a few

Figures: several

Abstract

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Introduction

Like humans, slime moulds are often irrational, and become agressive toward fellow commuters in congested traffic (Latty and Beekman 2011). On the other hand, the chemical composition of mycorrhizal and non-mycorrhizal apples is quite dissimilar (Mosse 1957). To begin a new paragraph, remember to either leave a blank line in your markdown document, or end the final line with two spaces.

Here's a new paragraph (Darwin and Bynum 2009). Cool! Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras euismod varius placerat. Phasellus tempor tempus risus sed tristique. Etiam turpis sapien, ornare eu aliquet sit amet, efficitur eget ante. Quisque ac posuere justo, vitae gravida lacus. Cras in elit a elit placerat molestie.

Methods

Blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah check out this nice equation:

$$\dot{x} = \sigma(y - x)$$

$$\dot{y} = \rho x - y - xz$$

Blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah.

Results

We found many significant things. The average abundance was 51.5 ± 1.6672912. Our statistical model spat out am R^2 value of 0.8862519 and a p value of $2.0771338 \times 10^{-95}$. As shown in Fig. 1, the relationship between density and abundance was strong.

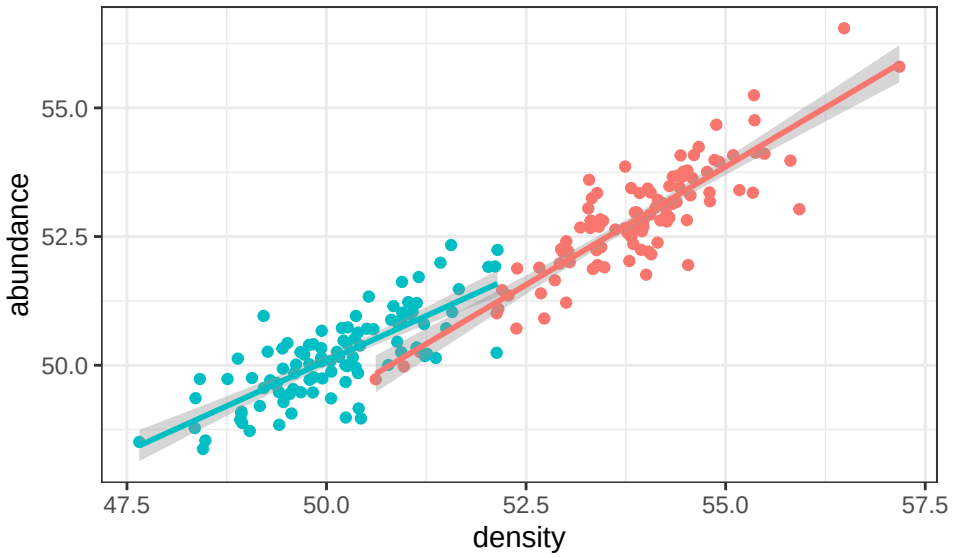

Figure 1: Abundance versus density by group, with model fits.

On the other hand, we can draw little circles around the data too (Fig. 2) which is nice.

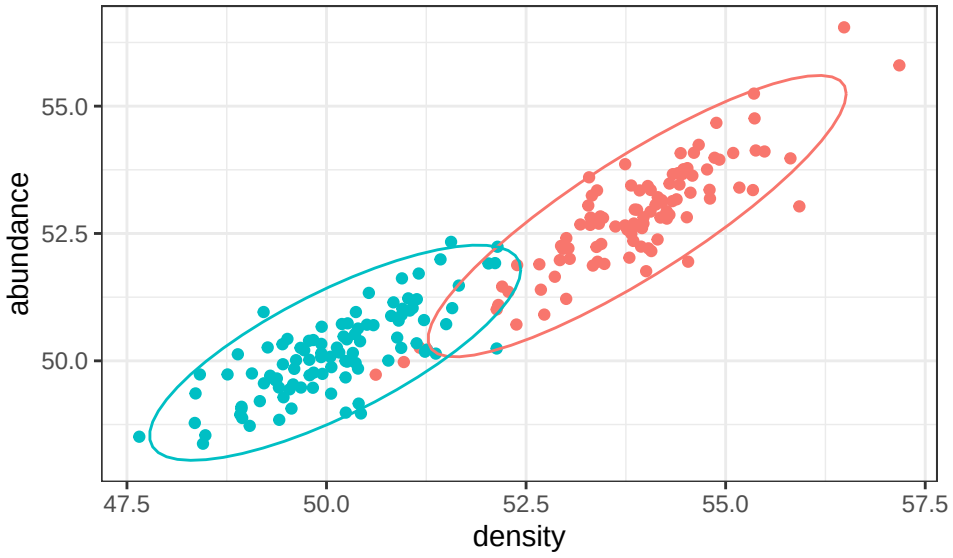

Figure 2: Abundance versus density by group, with ellipses.

Discussion

This was great.

Acknowledgements

Yes.

References

Darwin, C., and W. F. Bynum. 2009. The origin of species by means of natural selection: Or, the preservation of favored races in the struggle for life. Penguin Harmondsworth.

Latty, T., and M. Beekman. 2011. Irrational decision-making in an amoeboid organism: Transitivity and context-dependent preferences. Proceedings of the Royal Society B: Biological Sciences 278:307–312.

Mosse, B. 1957. Growth and chemical composition of mycorrhizal and non-mycorrhizal apples. Nature 179:922–924.