
How the guppy got his spots.

Practical Report

2417024

Abstract

Control of male guppy spot brightness

Keywords

Guppy; Guppies; Predation; Dimorphism;

How to cite

Figures

Cite figures like this: figure 2. See the chunk options for how to add //labels to fig.cap in order for this to work.

References

Cite references like this: (Chaib 2017) to put them inside round brackets, or do Author says (2017) to just put the year. The references will appear at the end of the document automatically containing only those from the bib file that are actually cited. For more advanced citation techniques, and how to add **nocite** references for a bibliography see the [RMarkdown citation guidelines](#).

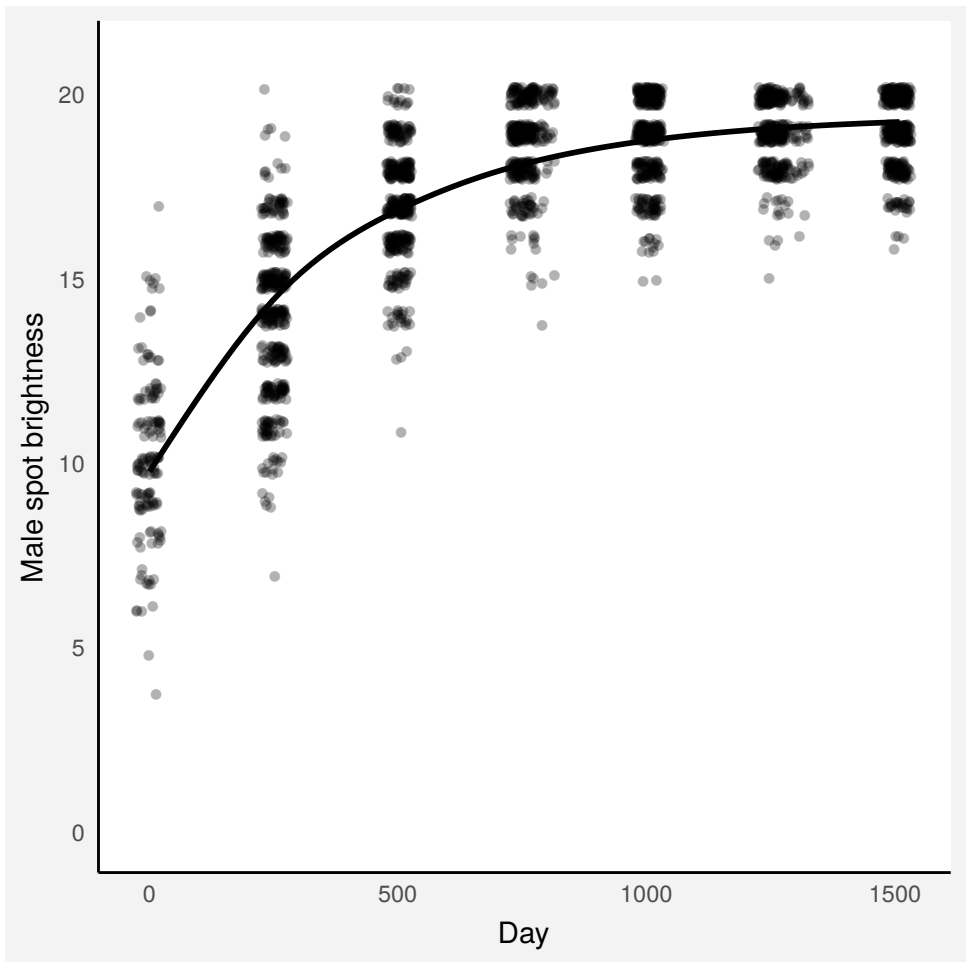


Figure 1. Increase in male guppy spot brightness over time when populations were not exposed to predation (lifespan around 120 days). Each data point represents the spot brightness of one male guppy (points are jittered around both x and y values). The curve shown has been fitted using asymptotic growth equation ($y = a - b * \exp(-c*x)$) from all substrates and feeding levels (no differences between these factors were observed).

Testing

For testing that citation style references are included for:

- A book section (two authors): (van Mourik and Stelmasiak 1990)
- A book (one author): (Wulf 2015)

Table 1. example table showing data for crumpet plot.

	Desire for crumpets	Crumpets eaten
	1	2
	2	4
	3	6
	4	8
	5	10
	6	12
	7	14
	8	16
	9	18
	10	20

- A book (three authors): (Gurevitch et al. 2006)
- A book (many authors): (Lodish et al. 2016)
- A journal article (many authors): (Preston et al. 2003)
- A journal article (one author): (Geist 1966)
- A webpage (one author): (Chaib 2017)
- Multiple citations: (Wulf 2015; Preston et al. 2003)

Example Figures

Use R blocks to produce tables and plots as usual (see table 1 and figure 2).

References

Chaib F. (2017) *Uganda ends Marburg virus disease outbreak*. World Health Organization. Available: <https://www.who.int/en/news-room/detail/08-12-2017-uganda-ends-marburg-virus-disease-outbreak> [Accessed: 19 January 2019].

Geist V. (1966) The Evolution of Horn-Like Organs. *Behaviour*, 27 (4), pp. 175–214.

Gurevitch J., Scheiner S., Fox G. (2006) *The Ecology of Plants*. 2nd ed. Sunderland MA: Sinauer Associates.

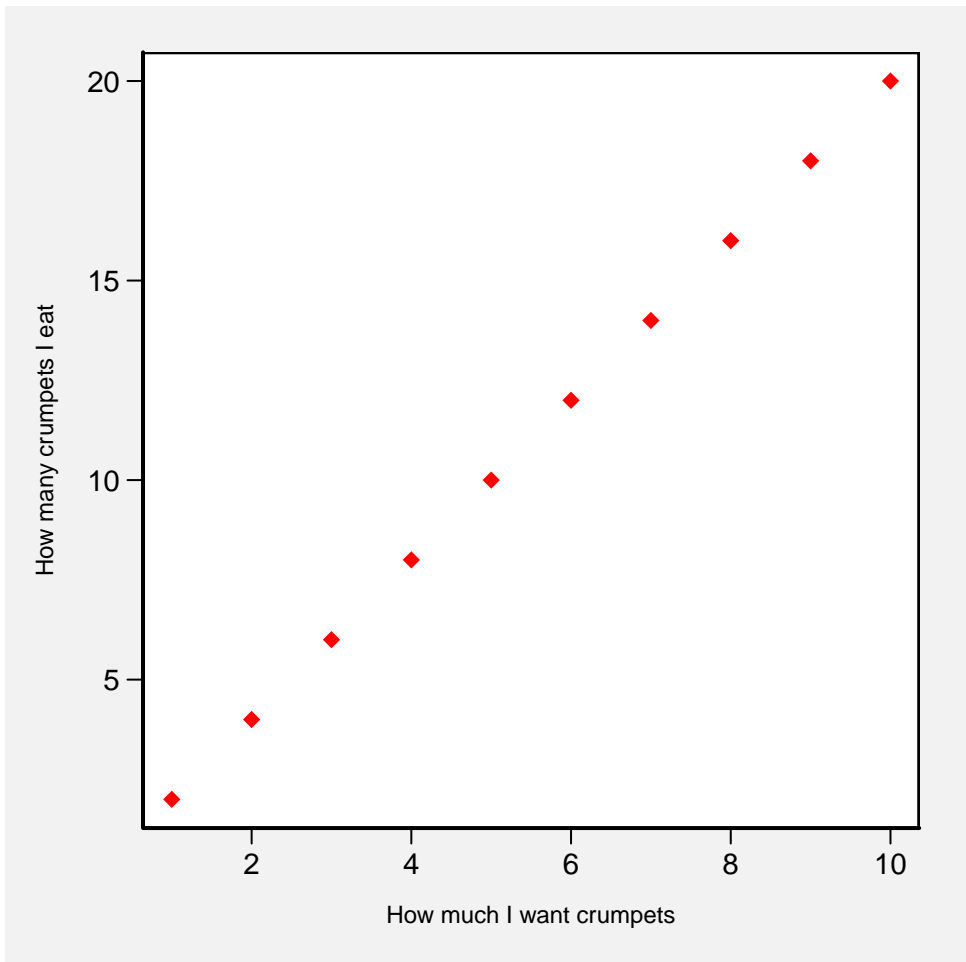


Figure 2. example plot showing lack of self control regarding desire for crumpets.

Lodish H., Berk A., Kaiser C.A., Krieger M., Bretscher A., Ploegh H., Amon A., Martin K.C. (2016) *Molecular Cell Biology*. 8th ed. New York, USA: W.H. Freeman and Company.

van Mourik S., Stelmasiak T. (1990) Endocrine Mechanisms and Antler Cycles in Rusa Deer, *Cervus (Rusa) timorensis*. In: *Horns, Pronghorns, and Antlers*. New York, NY: Springer New York. pp. 416–425.

Preston B., Stevenson I., Pemberton J., Coltman D., Wilson K., Pemberton J., Coltman D. (2003) Overt and covert competition in a promiscuous mammal: the importance of weaponry and testes size to male reproductive success. *Proceedings of the Royal Society of Biological Sciences*, 270, pp. 633–640.

Wulf A. (2015) *The invention of nature : The Adventures of Alexander von Humboldt, the Lost Hero of Science*. London, UK: John Murray Publishers Ltd.