

Fish and Surfers

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5 minutes before deadline

Abstract

We looked at fish and surfers, and draw wild, unsupported conclusions.

Introduction

There are many fish in California. They have widely been studied [1].

Methods

We counted fish and surfers, and placed them into tidy dataset [2]. Raw data are provided in Appendix 1.

Results

Our extensive survey identified a total of 71 Surfers and 167, with 7 species, distributed along 5 Genus and 4 Families.

We tested the relationship between fish abundance and surfers (Fig. 1) with a linear regression with the form:

$$Fish = \beta_0 + \beta_1 Surfers$$

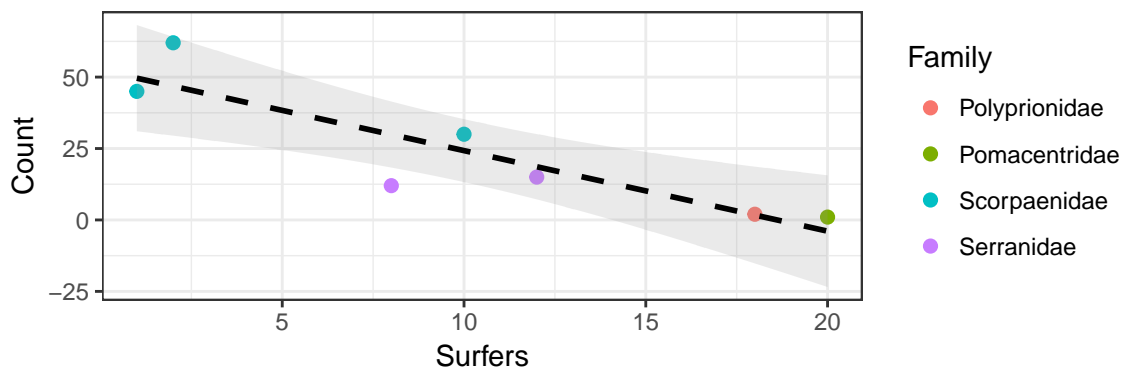


Figure 1: Relationship between fish abundance and surfers

Table 1: My results table!

	<i>Dependent variable:</i>
	Count
Surfers	−2.818*** (0.637)
Constant	52.438*** (7.754)
Observations	7
R ²	0.796
Residual Std. Error	11.339 (df = 5)
F Statistic	19.567*** (df = 1; 5)
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01

Conclusions

Surfers scare fish.

References

- [1] M. S. Love, *Certainly more than you want to know about the fishes of the pacific coast: A postmodern experience*. Santa Barbara, CA: Really Big Press, 2011.
- [2] H. Wickham, “Tidy data,” *J Stat Softw*, vol. 59, no. 10, 2014.

Table 2: Appendix 1. Table with raw data

Family	<i>Genus</i>	<i>Species</i>	Count	Surfers	Family	Genus	Species	Count	Surfers
Pomacentridae	<i>Hypsypops</i>	<i>rubicundus</i>	1	20	Pomacentridae	Hypsypops	rubicundus	1	20
Polyprionidae	<i>Stereolepis</i>	<i>gigas</i>	2	18	Polyprionidae	Stereolepis	gigas	2	18
Scorpaenidae	<i>Sebastes</i>	<i>hopkinsi</i>	30	10	Scorpaenidae	Sebastes	hopkinsi	30	10
		<i>paucispinis</i>	45	1	Scorpaenidae	Sebastes	paucispinis	45	1
	<i>Pterois</i>	<i>volitans</i>	62	2	Scorpaenidae	Pterois	volitans	62	2
Serranidae	<i>Paralabrax</i>	<i>clathratus</i>	12	8	Serranidae	Paralabrax	clathratus	12	8
		<i>nebulifer</i>	15	12	Serranidae	Paralabrax	nebulifer	15	12