

Tooth Growth

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Introduction

The response is the length of teeth in each of 10 guinea pigs at each of three dose levels of Vitamin C (0.5, 1, and 2 mg) with each of two delivery methods (orange juice or ascorbic acid).

Exploratory Data Analyses

We begin by looking at the relationship between tooth length, dose, and delivery method.

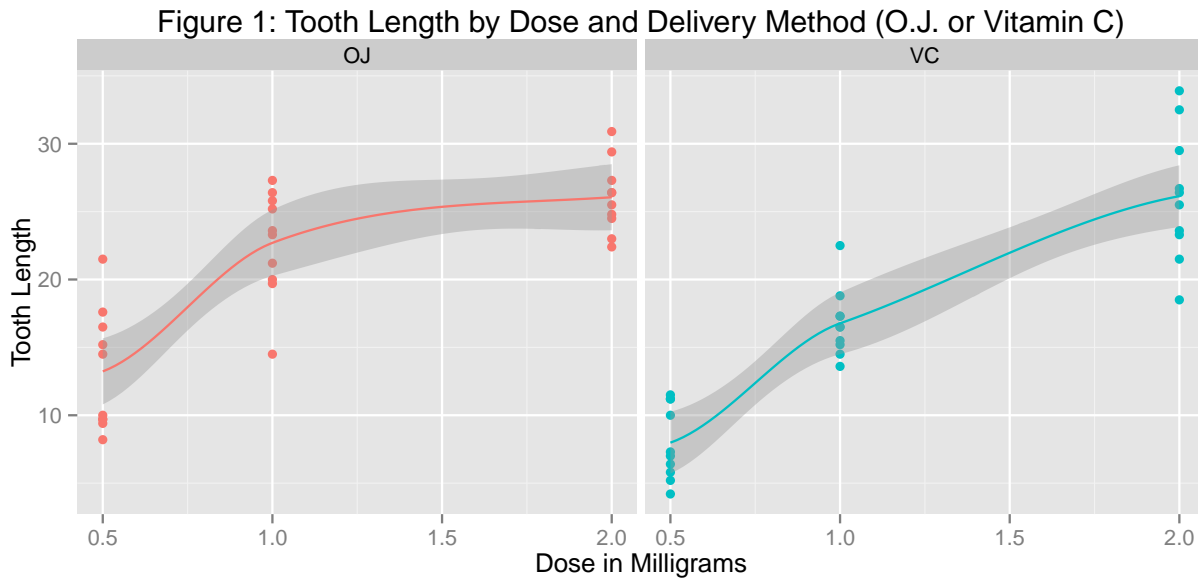


Table 1: Tooth Length by Dose and Delivery Method

Method	Dose (mg)	Mean	Standard Deviation
OJ	0.5	13.23	4.46
OJ	1	22.7	3.911
OJ	2	26.06	2.655
VC	0.5	7.98	2.747
VC	1	16.77	2.515
VC	2	26.14	4.798

We observe the tooth length the relationship between the dose and tooth length is positive

Comparison of Tooth Growth

By Supplement

text

By Dose

Text