

There once was a grid at ol' Carkeek

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## 1 Keywords

2 Stuff, things, neat, cool, wow, instafun, tags4likes, etc

## 3 Abstract

4 This is the text of the abstract.

## 5 Introduction

6 For centuries, humankind has wondered: If I have two apples, and someone gives me another two  
7 apples, how many apples do I have? Some people did this (Darwin, 1859).

## 8 Methods

9 We use the general framework outlined by Shelton et al (CITE). That study outlined the structure  
10 for estimation of the proportional biomass of a taxon ( $B_i$ ) given the proportional counts of sequences  
11 recovered from a parallel sequencing run ( $Z_i$ ). We constructed the following mathematical model  
12 (1) to better understand the concept:

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$$Y = 2a + 2a \tag{1}$$

13      Where  $a$  represents an apple.

## 14    **Results**

15    We found that if you have two apples, and someone gives you another two apples, you have four  
16    apples.

## 17    **Discussion**

18    Boy those results sure are neat. Now, the pressing question becomes: How do you like them apples?

## 19    **Acknowledgements**

20    We wish to thank all of the little people.

## 21    **Funding**

22    This study was funded by our super-rich uncle.

## 23    **Author Contributions**

24    Conceived and designed the experiments: . Collected the data: . Conducted the analyses: . Wrote  
25    the first draft: . Edited the manuscript: .

## 26    **Data Availability**

27    The data and code used to generate our results can be found at the following url:

## 28 **References**

- 29 Darwin, C. R. (1859). *On the Origin of Species by Means of Natural Selection*. John Murray,  
30 London.

## 31 **Figures**