**Health scores for animals on different diets**

1. find the weighted average of nutritional contents based on percentage in diet

2. combine nutrients into a composite health score.

Where:

* = normalized protein percentage
* = normalized fat percentage
* = normalized fiber percentage
* = normalized calcium (mg/kg)
* = calories per kg
* ​ = weight coefficients (decide based on what’s most important for that species)

**calculate cost of animal food in one day**

Where:

* = total food eaten per day
* = % of each feed item in the diet
* = price of that feed item