

Fake News

The following headline was written in response to the data below. Examine the given table, and explain why the headline is misleading.

“Eating Chocolate Lowers Risk of Cancer”

| age | diet | daily chocolate consumption (g) | cancer detected |
|-----|------------|---------------------------------|-----------------|
| 19 | vegetarian | 55 | False |
| 26 | omnivore | 0 | True |
| 30 | vegetarian | 120 | False |
| 45 | vegan | 0 | True |
| 18 | omnivore | 230 | False |
| 21 | omnivore | 12 | true |

This dataset is very small, and only includes people 45 and under, making it difficult to generalize its results for an entire population.

The only data shown in this dataset is the diet, chocolate consumption, and cancer diagnosis of each participant.

There is not enough information to conclude that eating chocolate is the cause of a lower cancer risk, or even a leading factor.