

R Code for Examples in the book

"Statistics: The Art and Science of Learning from Data" by Agresti, Franklin and Klingenberg, 5th edition

Chapter 3

Example 3: Pesticide Residues – Graphing Conditional Proportions

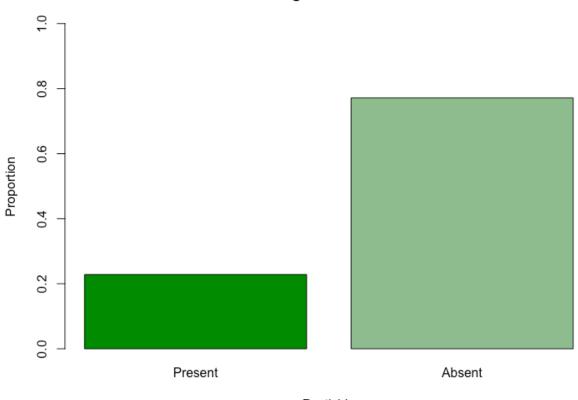
Reading in the data:

To find the conditional proportions for pesticide status

```
cond.props <- prop.table(pesticide, 1)</pre>
```

Bar graph of conditional proportions on pesticide status for organic foods

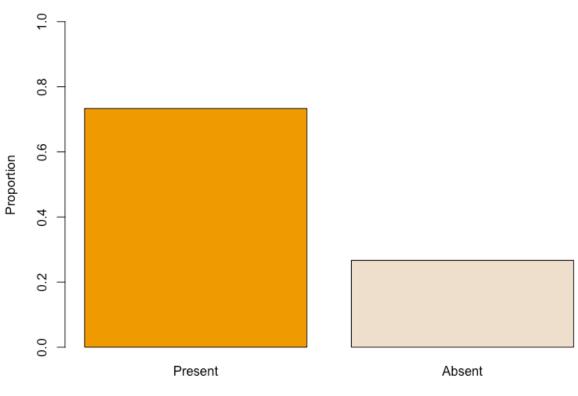
Organic Foods



Pesticide

Bar graph of conditional proportions on pesticide status for conventionally foods

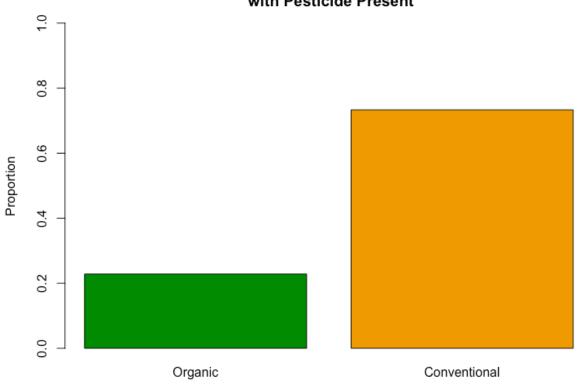
Conventionally Grown Foods



Food Type

Bar graph of proportion of food samples with pesticide present

Proportion of Food samples with Pesticide Present



Food Type