

#### R Code for Examples in the book

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

# Chapter 3

Example 3: Pesticide Residues – Graphing Conditional Proportions

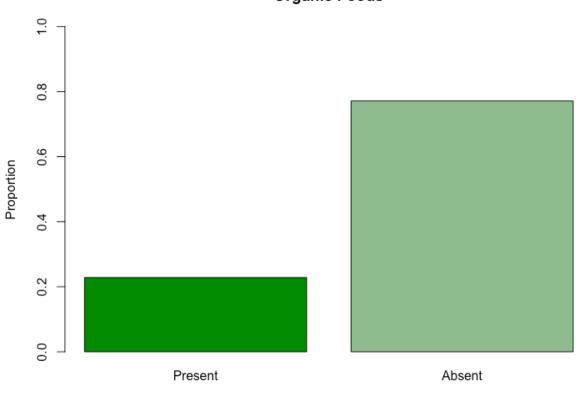
#### Reading in the data:

### To find the conditional proportions for pesticide status

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

## Bar graph of conditional proportions on pesticide status for organic foods

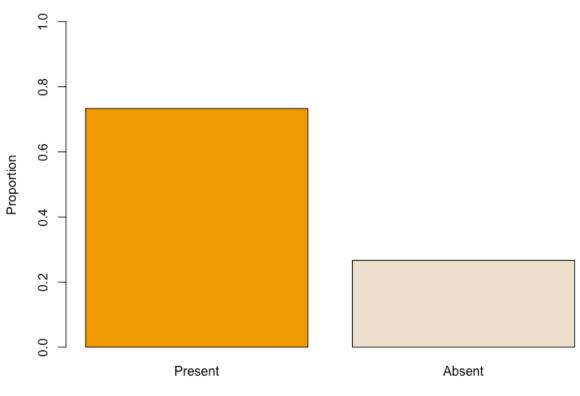
# **Organic Foods**



Pesticide

# Bar graph of conditional proportions on pesticide status for conventionally foods

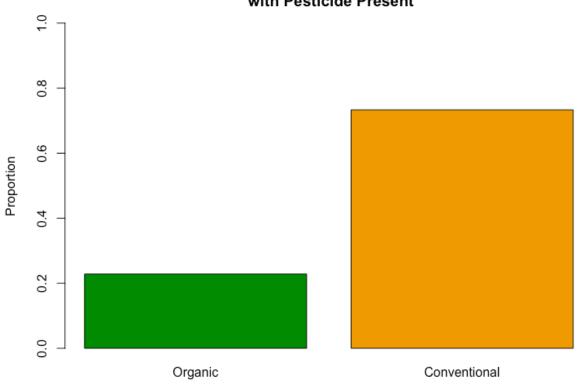
# **Conventionally Grown Foods**



Food Type

### Bar graph of proportion of food samples with pesticide present

# Proportion of Food samples with Pesticide Present



Food Type