# Data Appendix File

### Section 1: banana

Unit of Observation: Each image in this dataset is of either a spoiled or fresh banana with varying lighting, backgrounds, and clarity.

#### Variables:

 Fresh: There are exactly 1,000 images of fresh bananas. There are no missing observations.



 Spoiled: There are exactly 1,000 images of spoiled bananas. There are no missing observations.



Average Color Histogram for Banana Fresh - Red Spoiled - Red 120 Fresh - Green Spoiled - Green Fresh - Blue Spoiled - Blue 100 80 60 40 20 120 160 180 Average Color Intensity

### Section 2: lemon

Unit of Observation: Each image in this dataset is of either a spoiled or fresh lemon with varying lighting, backgrounds, and clarity.

### Variables:

 Fresh: There are exactly 1,000 images of fresh lemons. There are no missing observations.



 Spoiled: There are exactly 1,000 images of spoiled lemons. There are no missing observations.



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Average Color Histogram for Lemon Fresh - Red Spoiled - Red 100 Fresh - Green Spoiled - Green Fresh - Blue Spoiled - Blue 80 Frequency 60 40 20 80 100 120 140 160 180 Average Color Intensity

# Section 3: Iulo

Unit of Observation: Each image in this dataset is of either a spoiled or fresh lulo with varying lighting, backgrounds, and clarity.

### Variables:

• Fresh: There are exactly 1,000 images of fresh lulos. There are no missing observations.



 Spoiled: There are exactly 1,000 images of spoiled lulos. There are no missing observations.



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Average Color Histogram for Lulo Fresh - Red Spoiled - Red 120 Fresh - Green Spoiled - Green Fresh - Blue 100 Spoiled - Blue 80 Frequency 60 40 20 100 125 150 175 Average Color Intensity

# Section 4: mango

Unit of Observation: Each image in this dataset is of either a spoiled or fresh mango with varying lighting, backgrounds, and clarity.

### Variables:

• Fresh: There are exactly 1,000 images of fresh mangos. There are no missing observations.



 Spoiled: There are exactly 1,000 images of spoiled mangos. There are no missing observations.



Average Color Histogram for Mango Fresh - Red 100 Spoiled - Red Fresh - Green Spoiled - Green Fresh - Blue Spoiled - Blue 80 60 Frequency 40 20 60 80 120 140 160 180 200 Average Color Intensity

# Section 5: orange

Unit of Observation: Each image in this dataset is of either a spoiled or fresh orange with varying lighting, backgrounds, and clarity.

### Variables:

• Fresh: There are exactly 1,000 images of fresh oranges. There are no missing observations.



 Spoiled: There are exactly 1,000 images of spoiled oranges. There are no missing observations.



Average Color Histogram for Orange

Fresh - Red Spoiled - Red Fresh - Green Spoiled - Green Fresh - Blue Spoiled - Blue Spoile

# Section 6: strawberry

Unit of Observation: Each image in this dataset is of either a spoiled or fresh strawberry with varying lighting, backgrounds, and clarity.

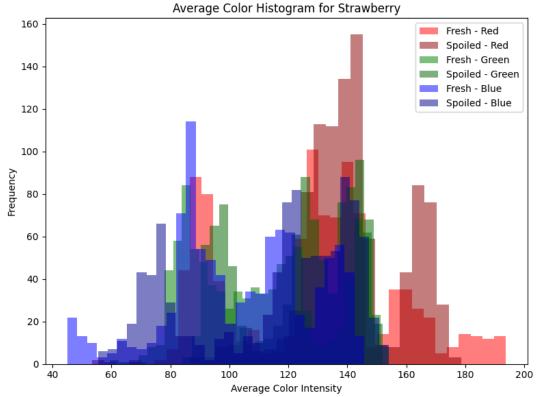
### Variables:

• Fresh: There are exactly 1,000 images of fresh strawberries. There are no missing observations.



 Spoiled: There are exactly 1,000 images of spoiled strawberries. There are no missing observations.





# Section 7: tamarillo

Unit of Observation: Each image in this dataset is of either a spoiled or fresh tamarillo with varying lighting, backgrounds, and clarity.

### Variables:

• Fresh: There are exactly 1,000 images of fresh tamarillos. There are no missing observations.

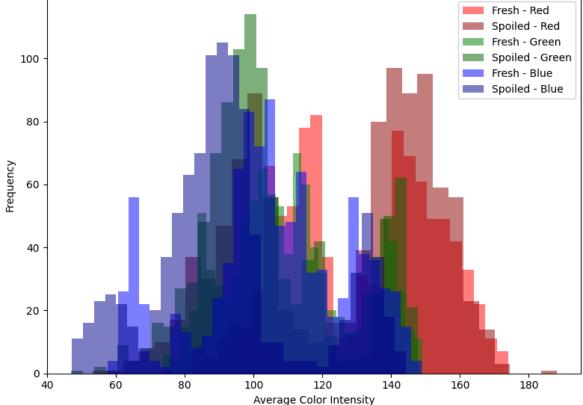


Spoiled: There are exactly 1,000 images of spoiled tamarillos. There are no missing observations.



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Average Color Histogram for Tamarillo



### Section 8: tomato

Unit of Observation: Each image in this dataset is of either a spoiled or fresh tomato with varying lighting, backgrounds, and clarity.

### Variables:

 Fresh: There are exactly 1,000 images of fresh tomatoes. There are no missing observations.



 Spoiled: There are exactly 1,000 images of spoiled tomatoes. There are no missing observations.



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Average Color Histogram for Tomato 120 Fresh - Red Spoiled - Red Fresh - Green Spoiled - Green 100 Fresh - Blue Spoiled - Blue 80 Frequency 60 40 20 0 75 25 50 175 200 100 125 150 Average Color Intensity