- **Data Dictionary:**

Variable	Description	Type
Tomato images	Images of different 4 conditions/states of tomatoes including damaged, old, ripe, and unripe	Image data processed as a .jpg
damaged	Physical blemishes visible on skin	.jpg file
old	Skin is visibly wrinkled and shriveled	.jpg file
ripe	Skin is smooth	.jpg file
unripe	No visible blemishes, but color is not as vibrant	.jpg file

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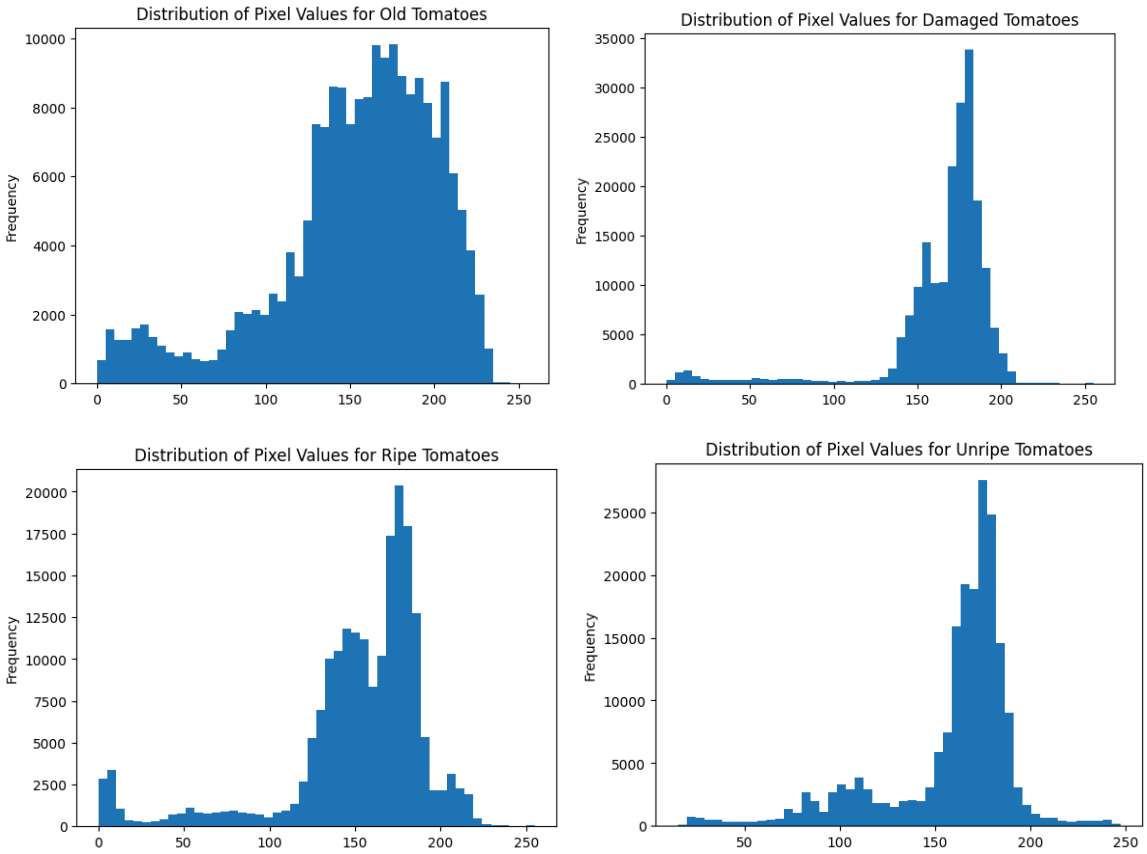
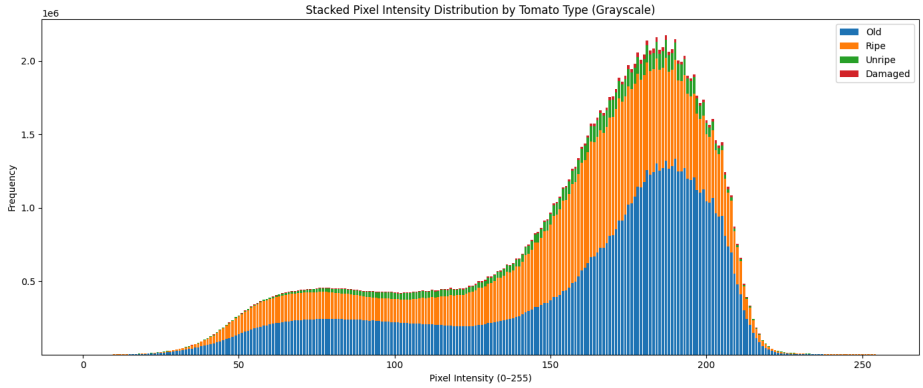
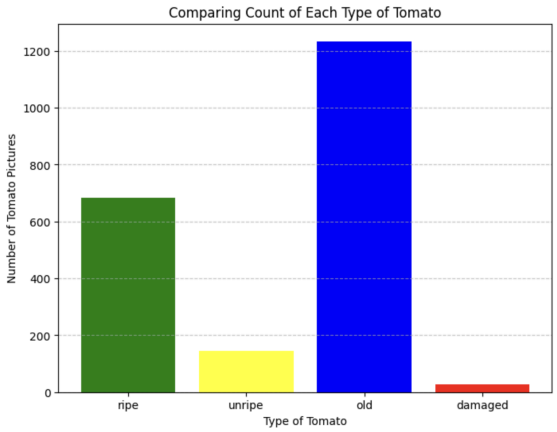
1)



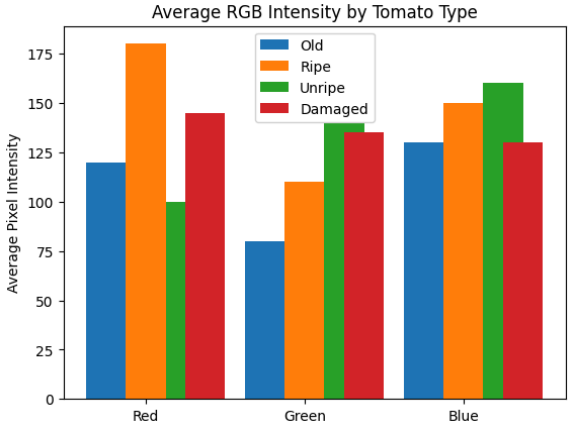
2)


Stacked Pixel Intensity Distribution by Tomato Type (Grayscale)
1e6
Old
Ripe
Unripe
Damaged
Frequency
Pixel Intensity (0–255)

3)


Comparing Count of Each Type of Tomato
Number of Tomato Pictures
ripe
unripe
old
damaged
Type of Tomato

4)


Average RGB Intensity by Tomato Type
Old
Ripe
Unripe
Damaged
Average Pixel Intensity
Red
Green
Blue