



# Food classification vegetables

Computer Vision

Group 2

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## Structure

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Why food classification?

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Approach

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Results

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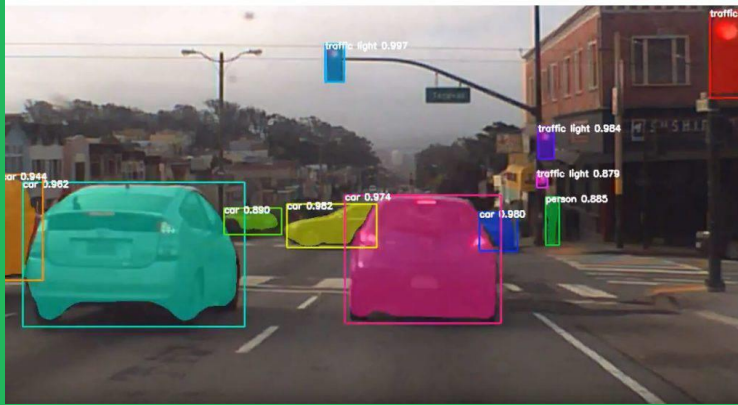
Shortcomings

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Conclusion

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Sources



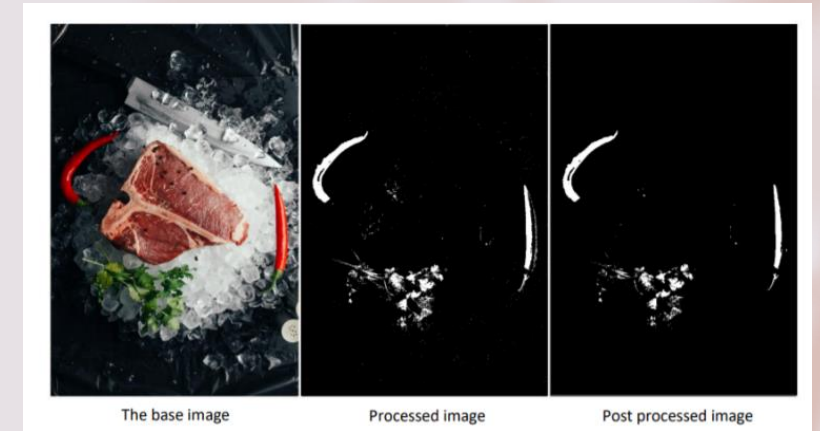
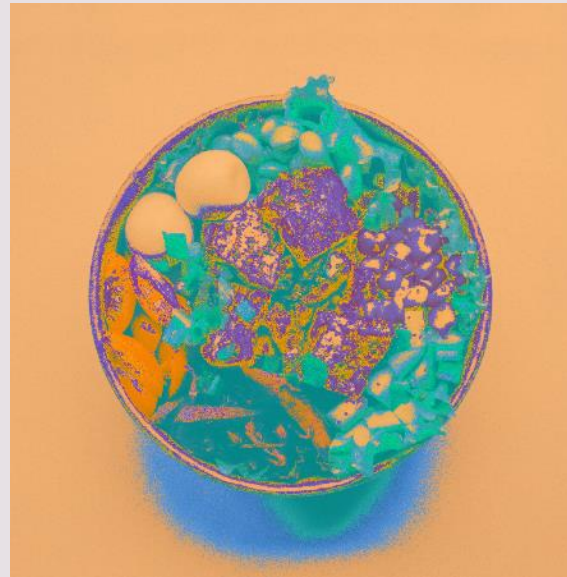
# Project topic

Medicine, autonomous cars

Straight forward topic

Interest in image segmentation

The right amount of complexity



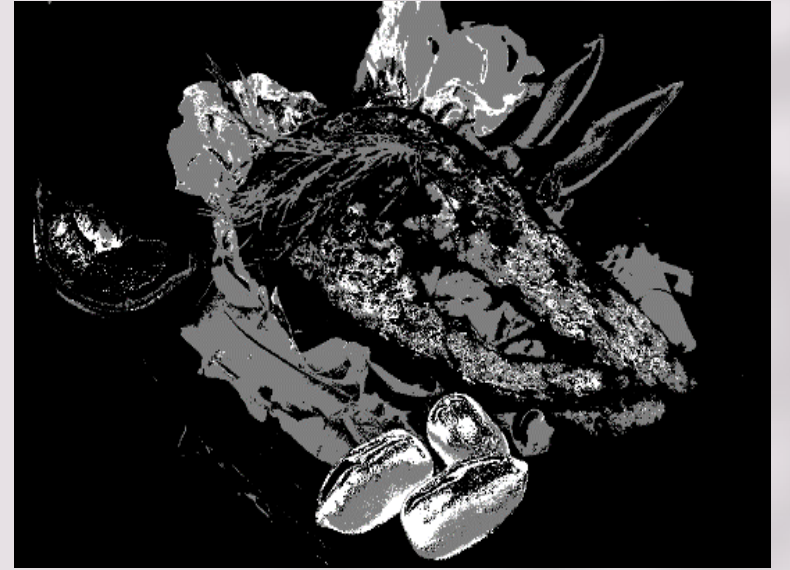
# Approach

- Clustering
- Edge detection
- Thresholding
- Post processing



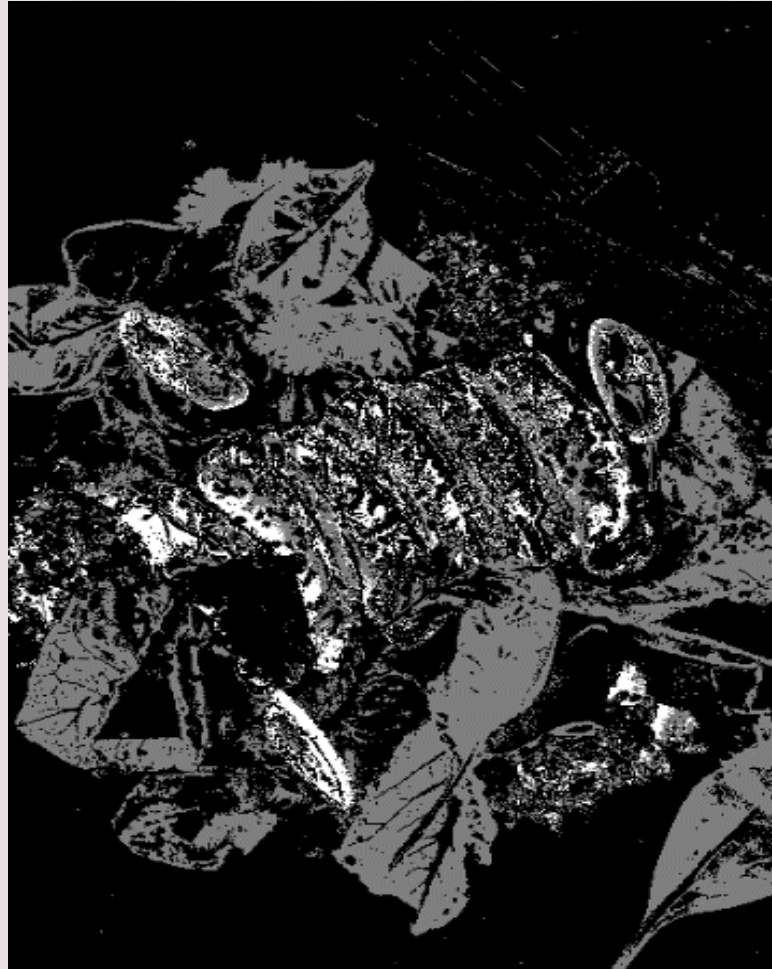
# Results

- Varying
- Alot of factors
  - Green
  - Lighting
  - Resolution
  - Post processing



# Shortcomings

- Illumination
- Meat and vegetables
- Reflection
- Dark colors



# Conclusion

- A working script:
  - Dark colors
  - Reflection
  - Color based
- Continued development
  - Machine learning
  - Pre and post processing