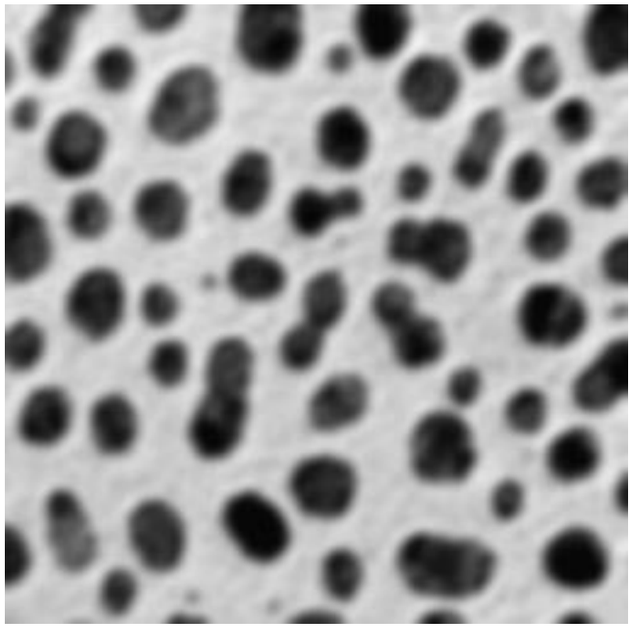
Assignment - 2

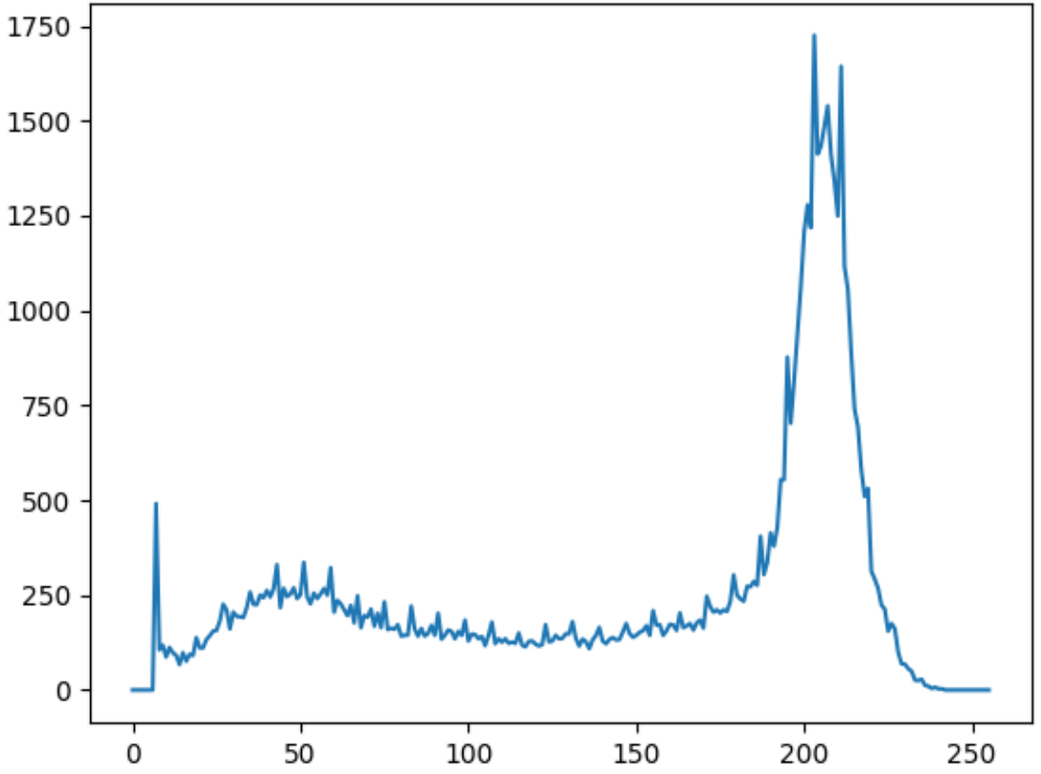
1. Binary Image Processing
    a. Thresholding
    b. Blob Coloring
    c. Region Analysis

2. Compression
    a. Run-length encoding
    b. Decoding

1. Binary Image Processing

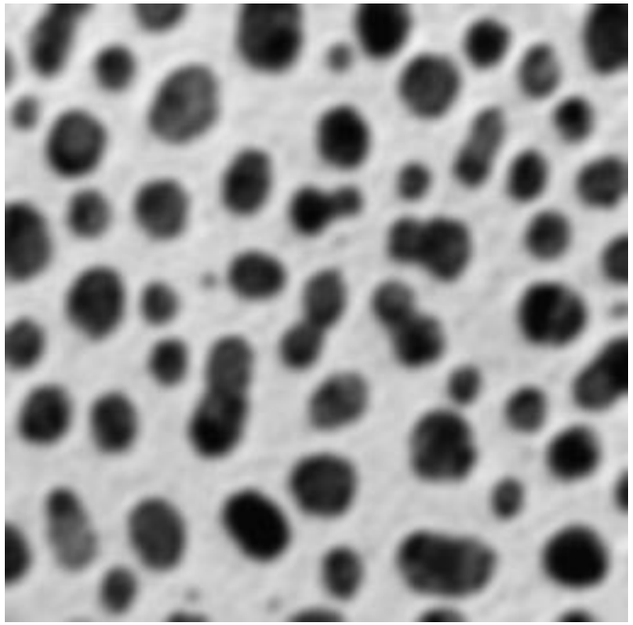
- a. Thresholding
  - Compute Histogram

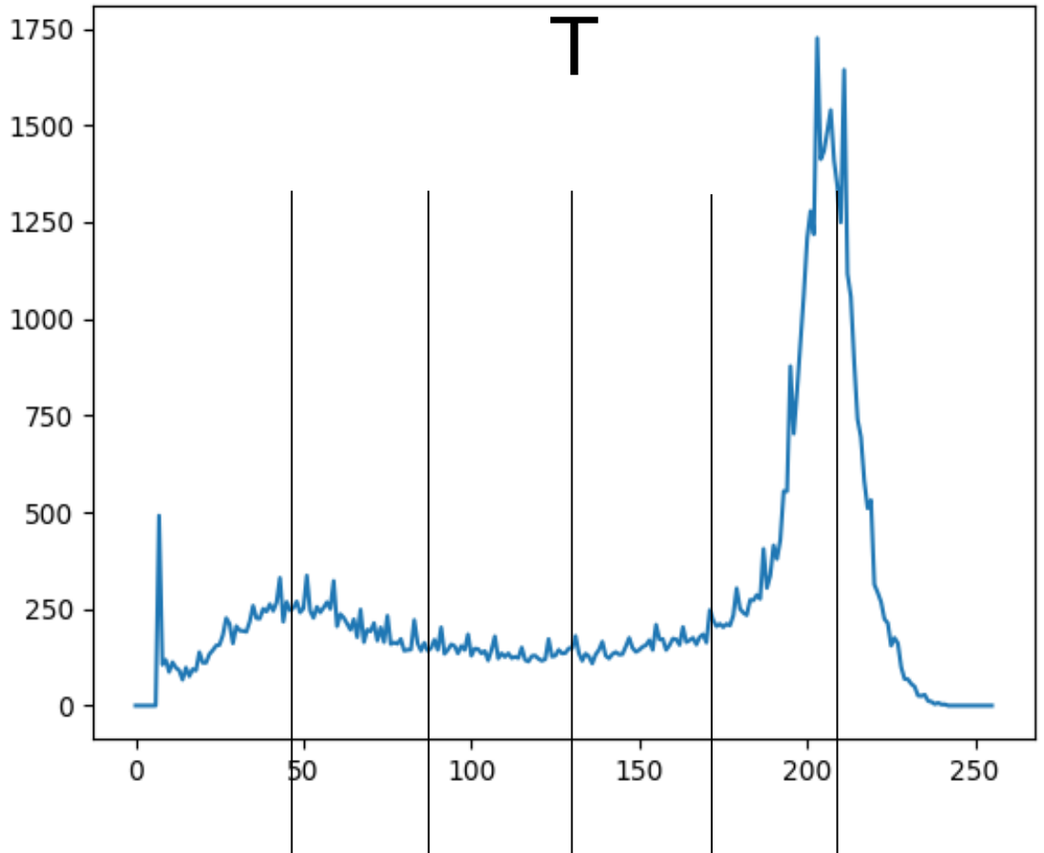




1. Binary Image Processing

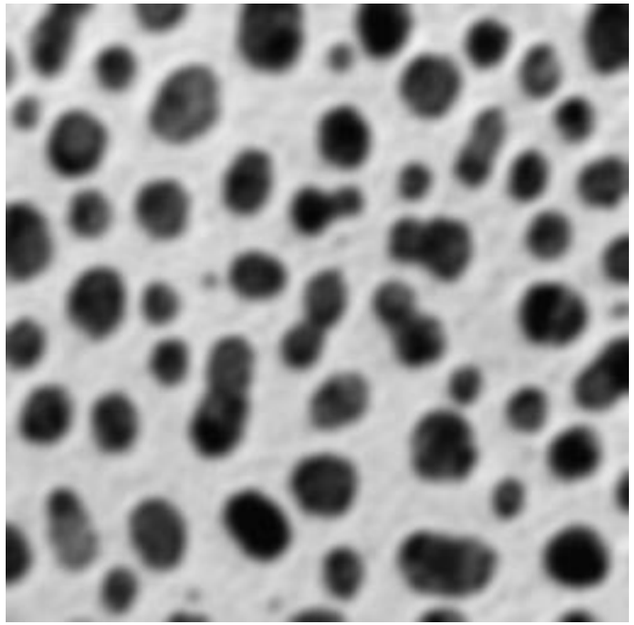
- a. Thresholding
  - Compute Histogram
  - Optimal Threshold (Otsu's Thresholding)

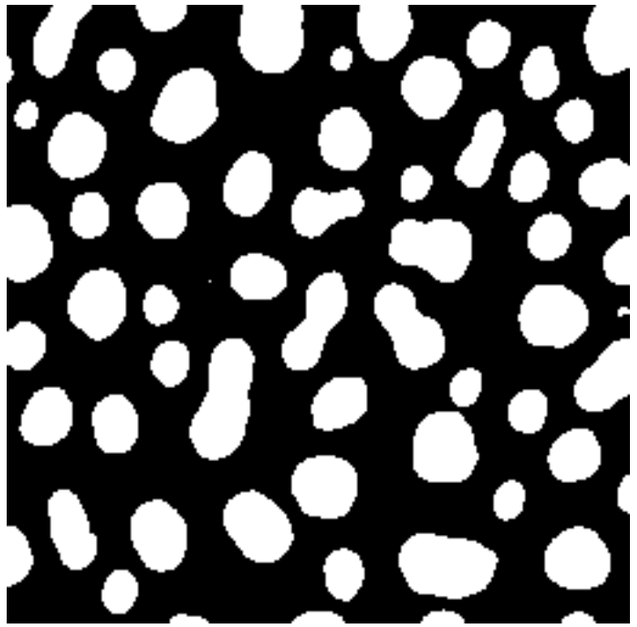




1. Binary Image Processing

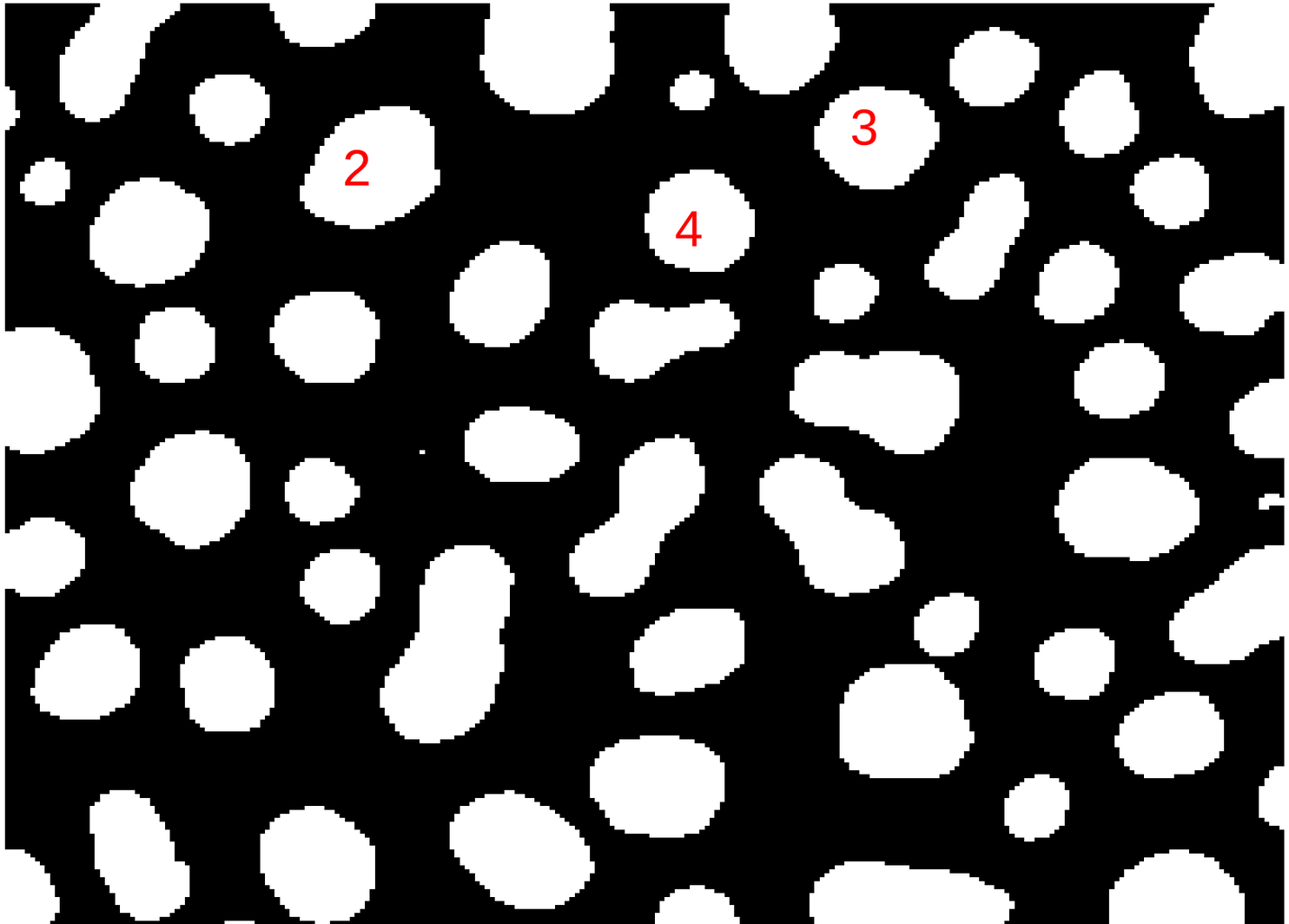
- a. Thresholding
  - Compute Histogram
  - Optimal Threshold
  - Create Binary Image (Thresholding)





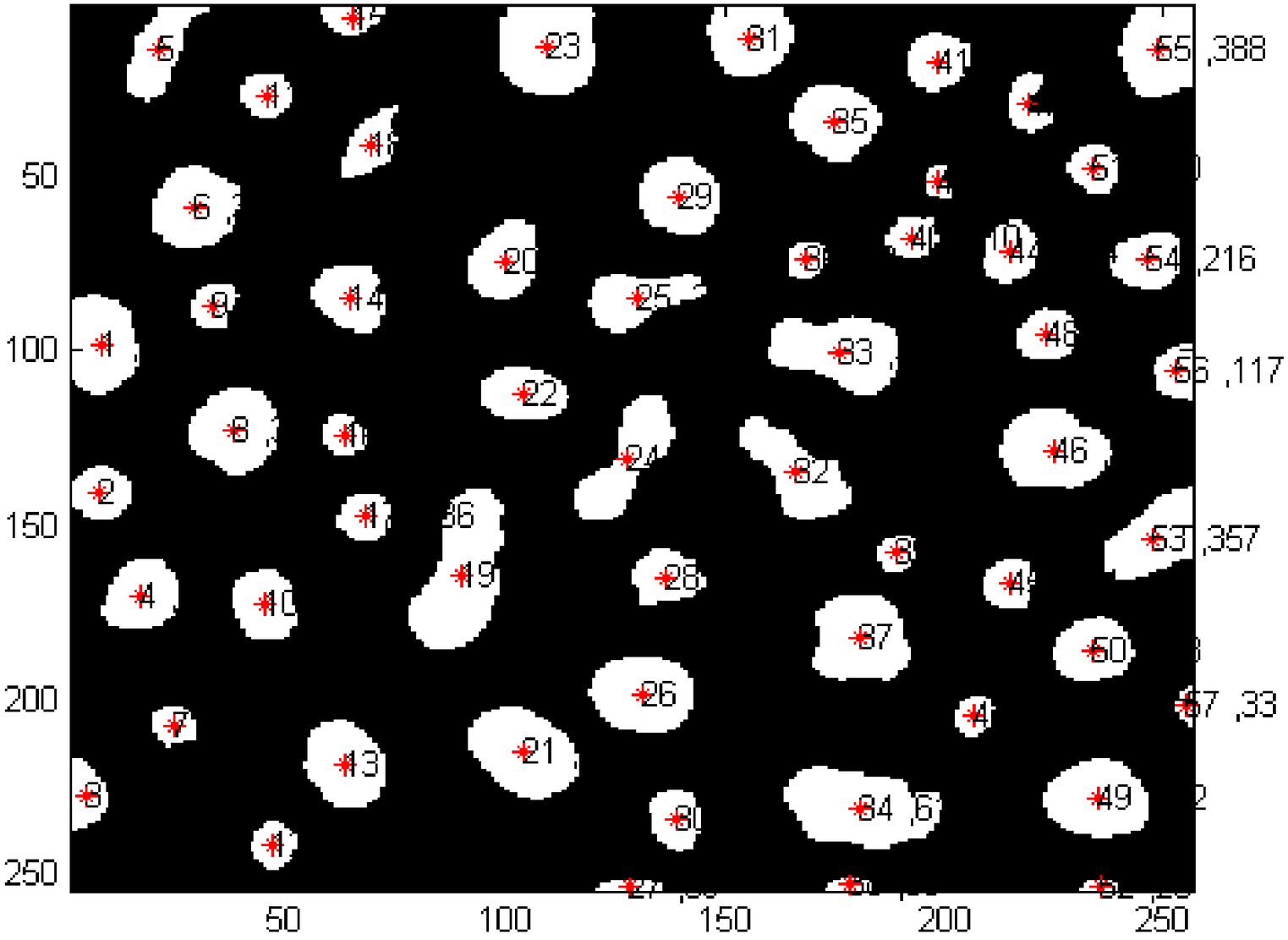
1. Binary Image Processing

- b. Blob Coloring

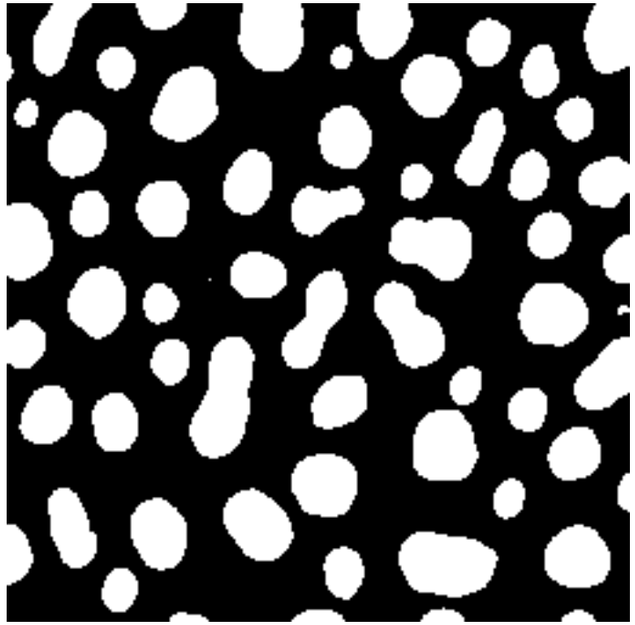


1. Binary Image Processing

- c. Region Analysis



2. Compression



Run Length Encoding

[1 10 100 ...]

Decoding

Assignment -2

1. Binary Image Processing
    a. Thresholding (15 Pts.)
    b. Blob Coloring (40 Pts.)
    c. Region Analysis (15 Pts.)
2. Compression (30 Pts)
    a. Run-length encoding
    b. Decoding

Total: 100 Pts.

Submission Instructions

- Must use the **starter code** available in **Github**
- Submission allowed only through **Github**
- You will receive an email with invitation to join **Github** classroom
- Start by reading the **readme.md** file. Instructions are available here
- Github will **automatically** save the **last commit as a submission** before the deadline