Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

# BACKGROUND SUBTRACTION

## Results report:

Webcam: A04 - km. 147,9 Svincolo A4/A58 dir Ovest

Threshold = 40

Ratio = 1

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

# BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 74.08%

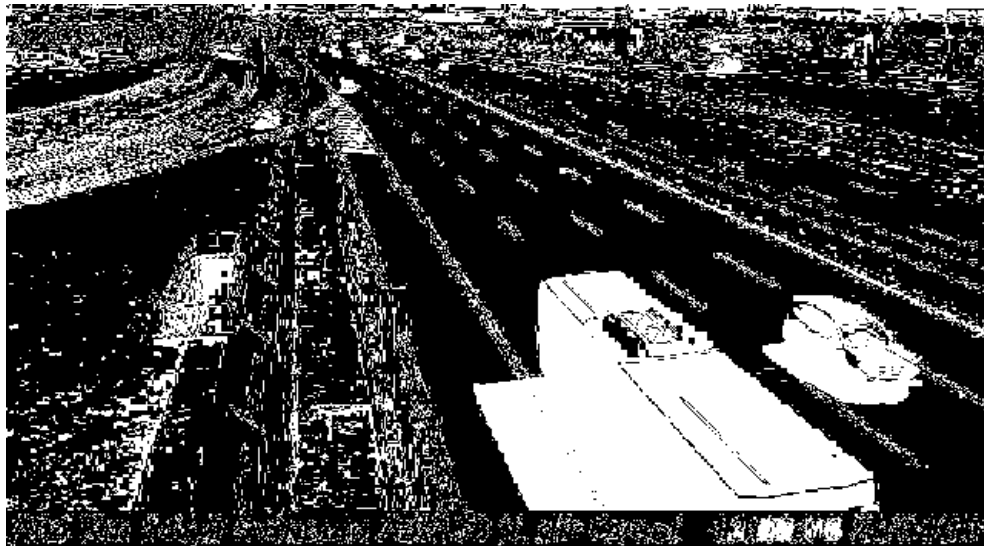Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10
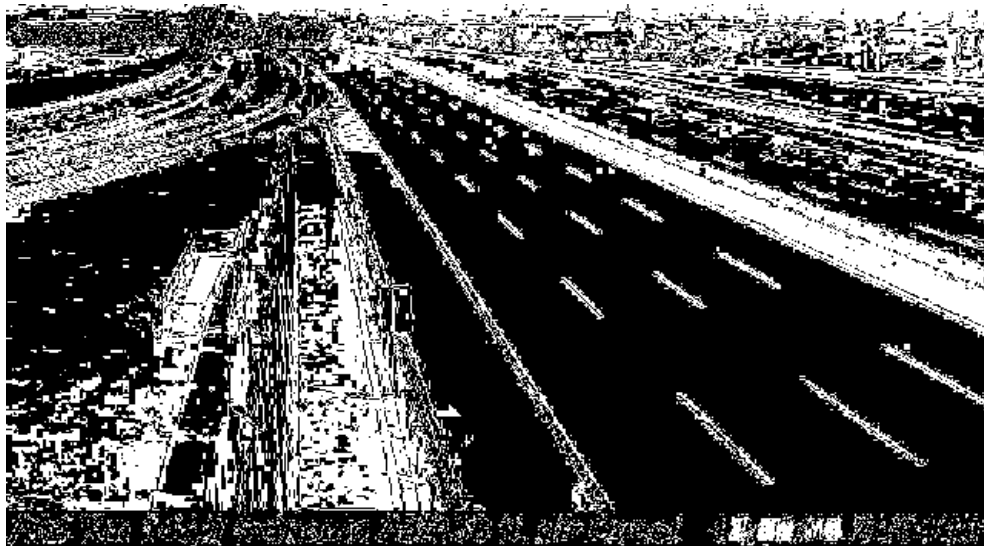
Background detected with accuracy of 70.97%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 83.71%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10
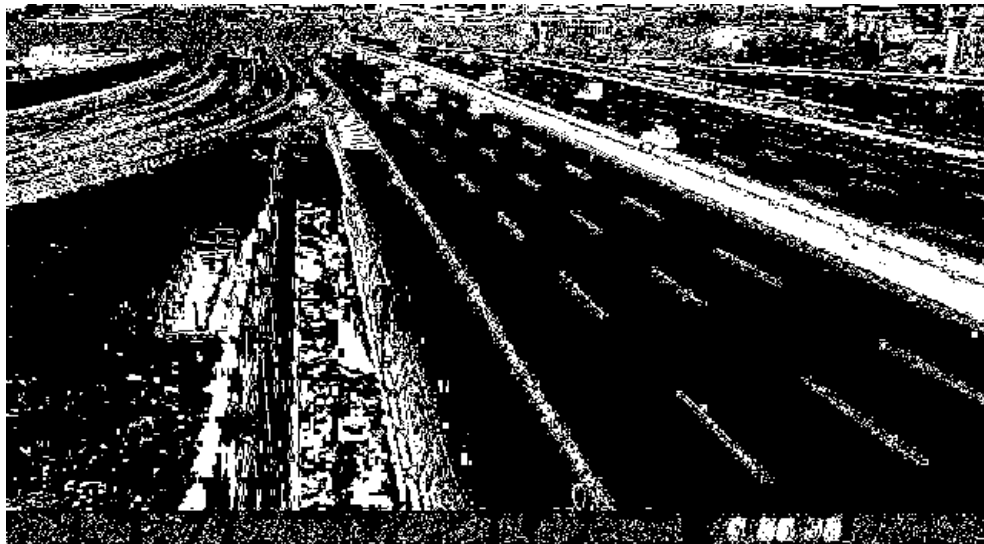
Background detected with accuracy of 80.11%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 81.47%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 79.1%
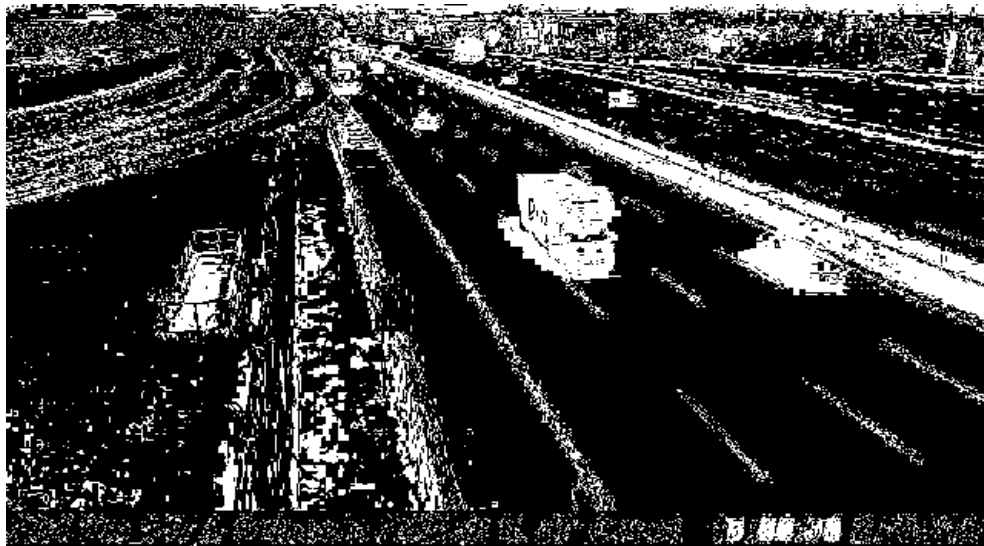
Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 66.68%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 76.85%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 11.92%
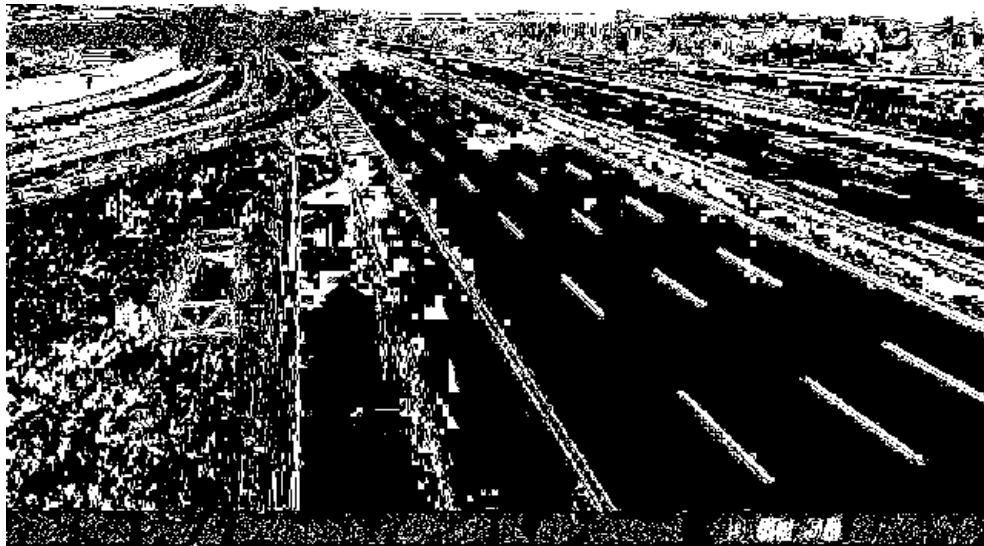
Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 39.8%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 68.02%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 71.98%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 83.81%

Original frame:



A04 Km 147,9 Svincolo A4/A58 it. dir Ovest   00:48:50 28/04/19

Background detected:



A04 Km 147,9 Svincolo A4/A58 it. dir Ovest   00:38:58 28/04/19

Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 91.45%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10
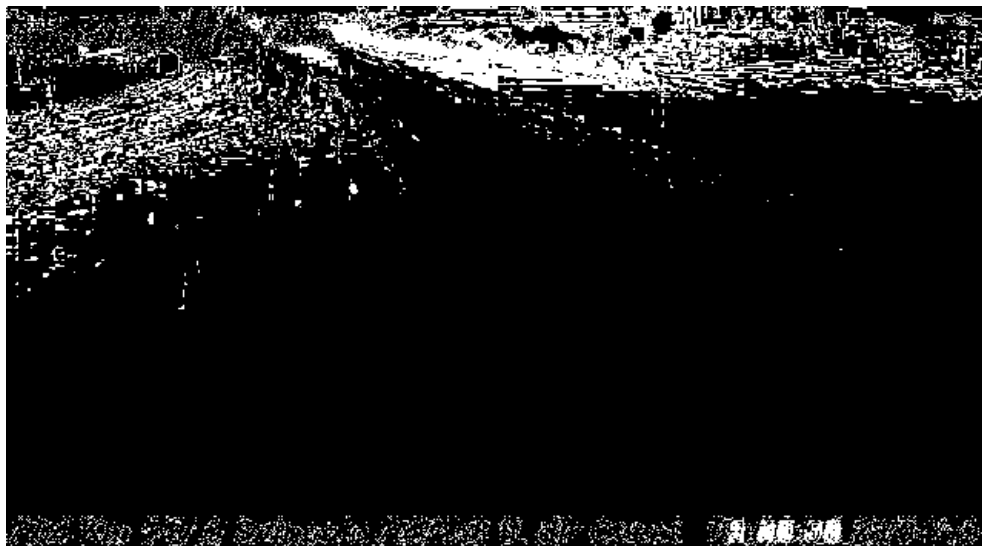
Background detected with accuracy of 91.91%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10
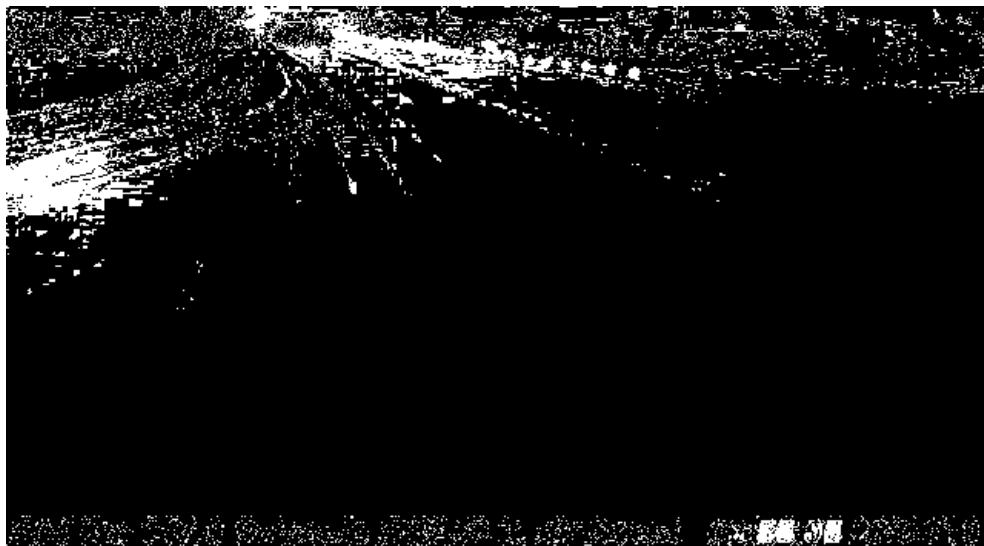
Background detected with accuracy of 94.31%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 93.86%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 14.87%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10
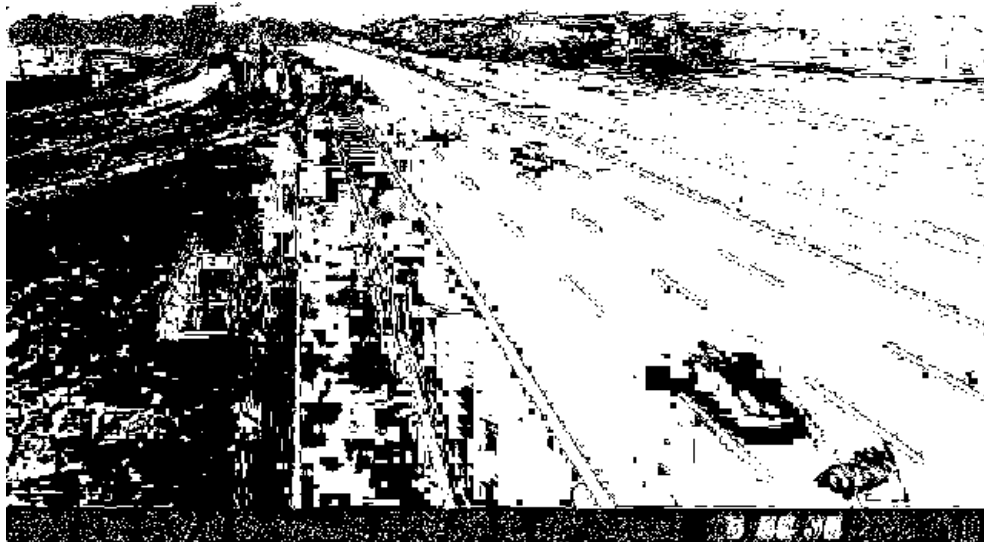
Background detected with accuracy of 45.24%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10
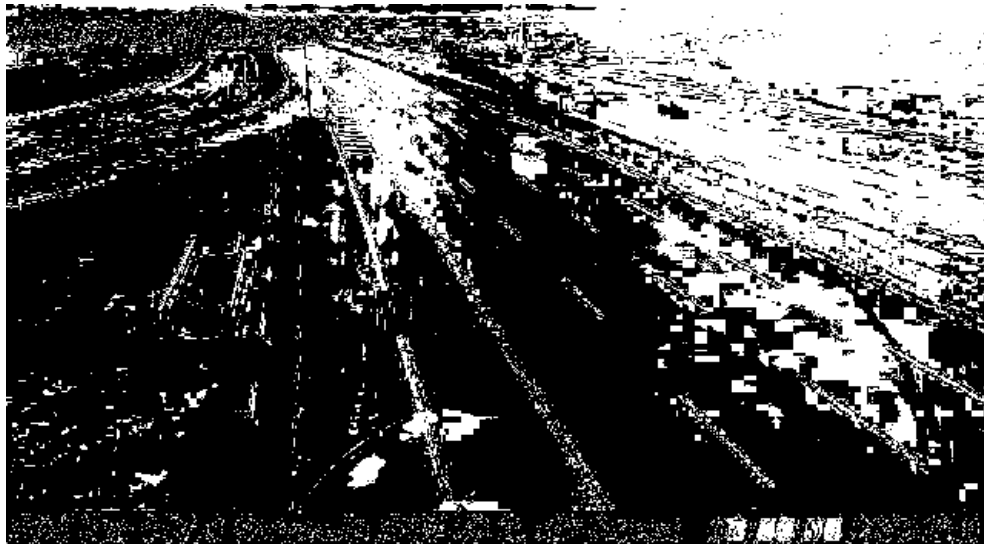
Background detected with accuracy of 74.58%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10
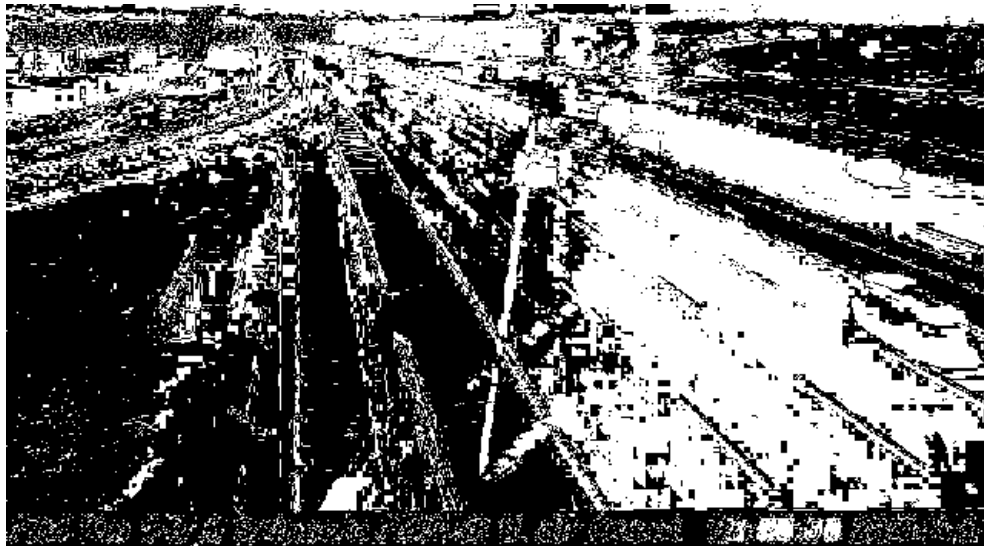
Background detected with accuracy of 61.44%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 71.98%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 80.27%

Original frame:



Background detected:



Error plotted with threshold of 10:

# BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 80.92%

Original frame:



Background detected:



Error plotted with threshold of 10: