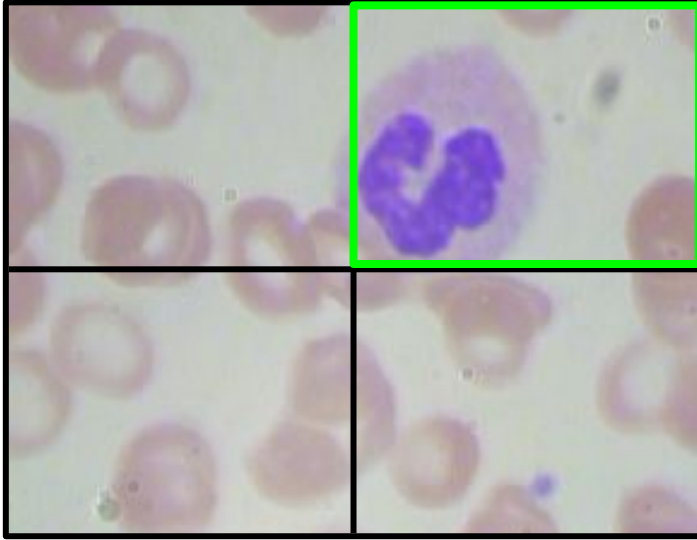


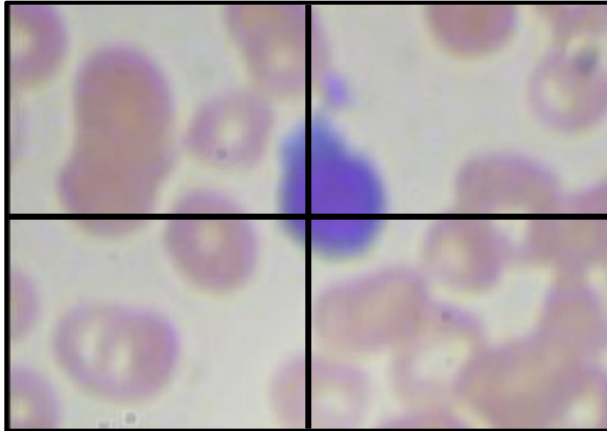
Improvements for Naive Approach

Naive Approach 1



- **Step 1:** Divide image into patches
- **Step 2:** Classify each patch
- **Step 3:** Return Patch coordinates as bounding box

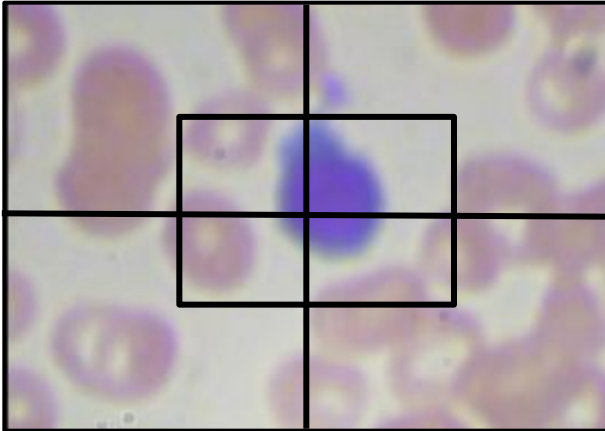
Naive Approach 1



Analytics
Vidhya

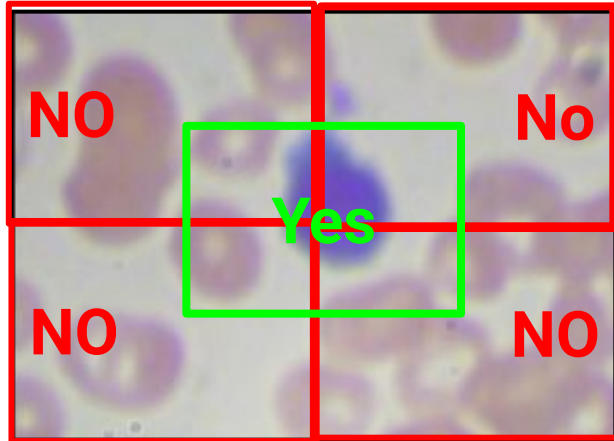
Improvements on Naive Approach 1

- **Step 1:** Divide image into 5 patches



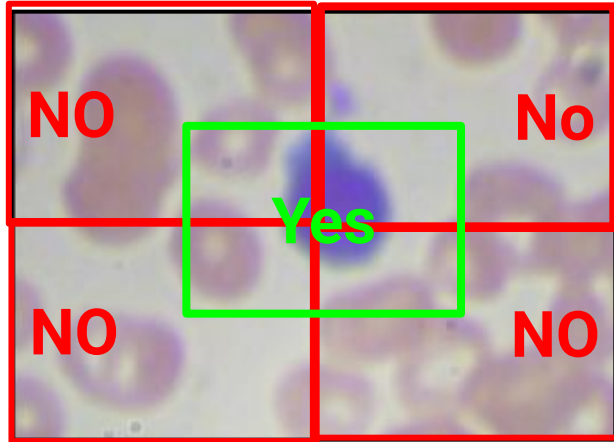
Analytics
Vidhya

Improvements on Naive Approach 1



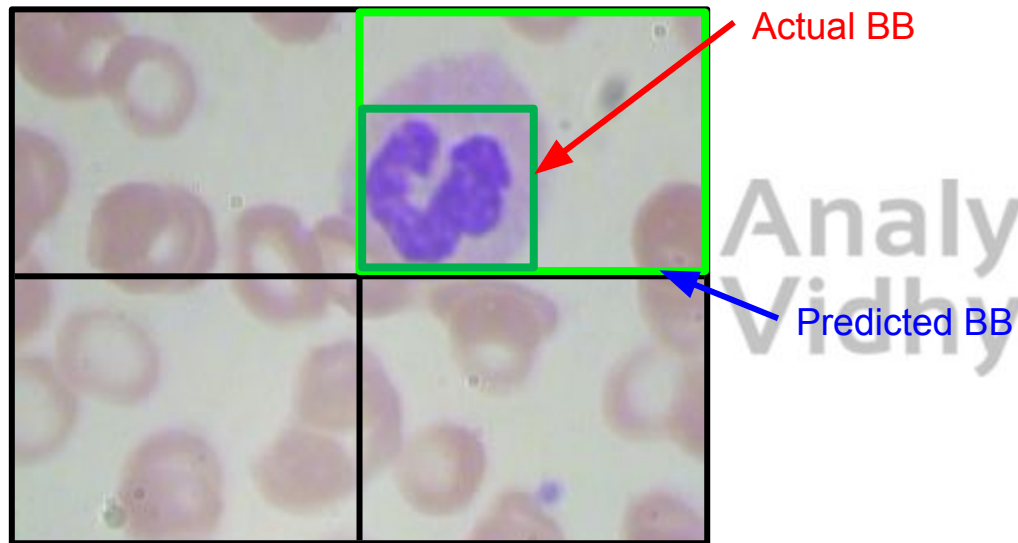
- **Step 1:** Divide image into 5 patches
- **Step 2:** Classify each patch

Improvements on Naive Approach 1



- **Step 1:** Divide image into 5 patches
- **Step 2:** Classify each patch
- **Step 3:** Return Patch coordinates as bounding box

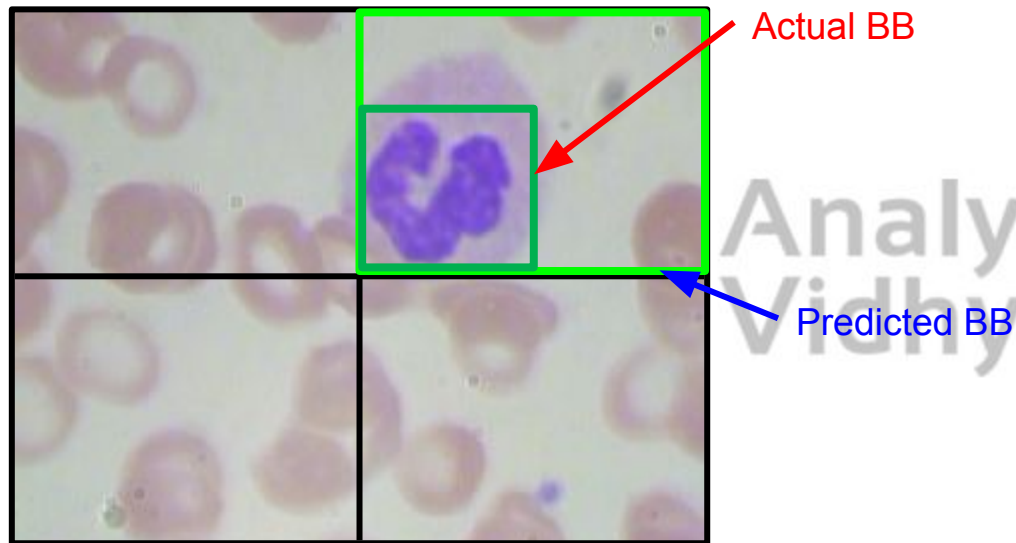
Problem with Naive Approach 1



Problem:

Imperfect Bounding Box

Problem with Naive Approach 1



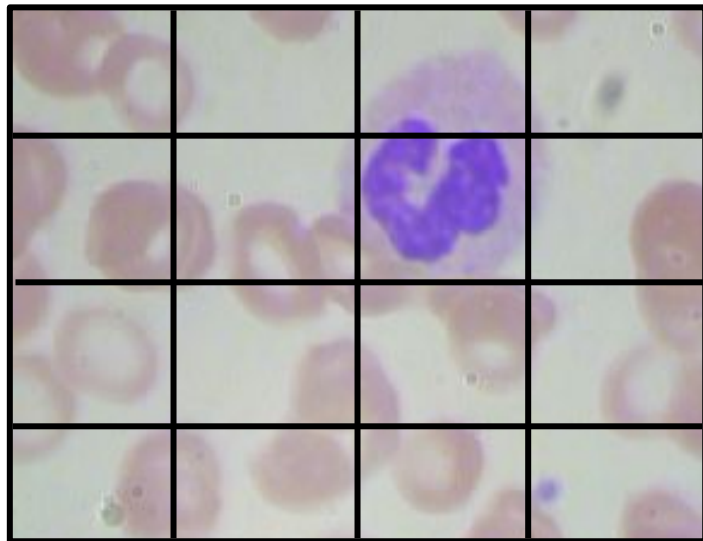
Problem:

Imperfect Bounding Box

Solution:

Reduce Patch Size

Naive Approach 2



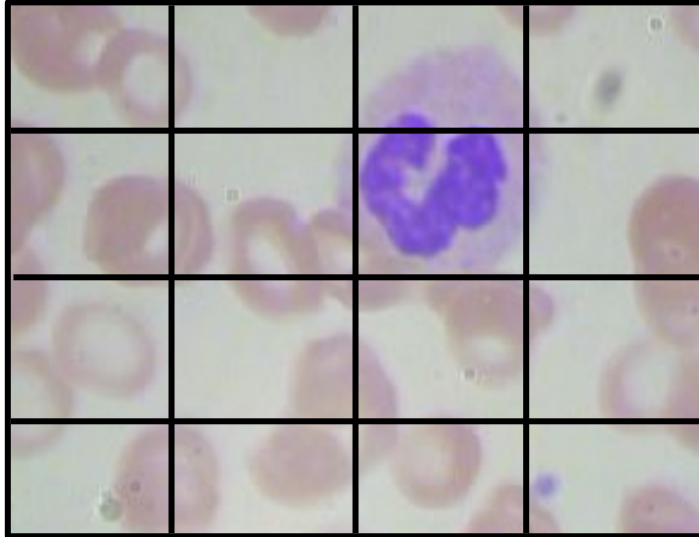
Problem:

Imperfect Bounding Box

Solution:

Reduce Patch Size

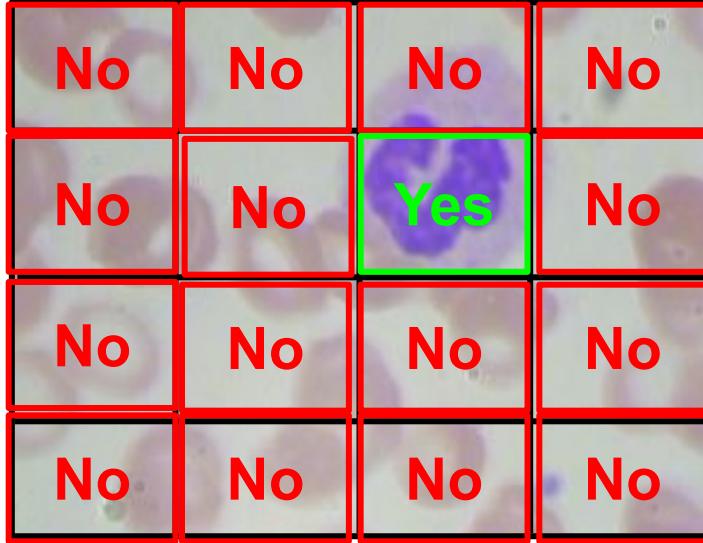
Naive Approach 2



- **Step 1:** Divide image into patches

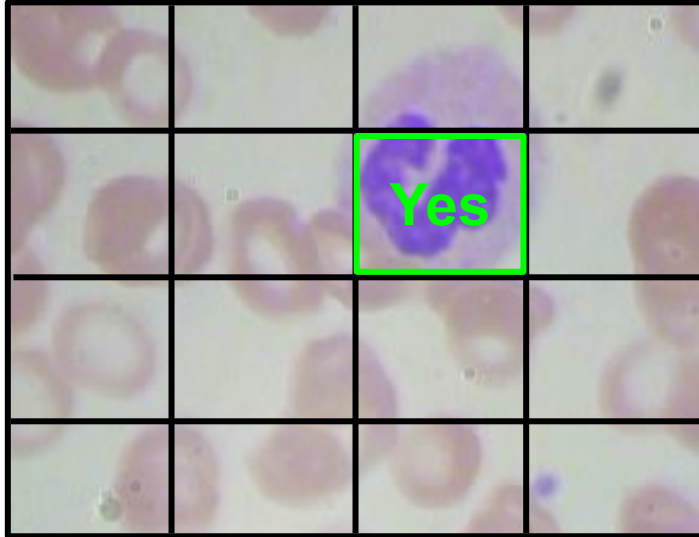
Analytics
Vidhya

Naive Approach 2



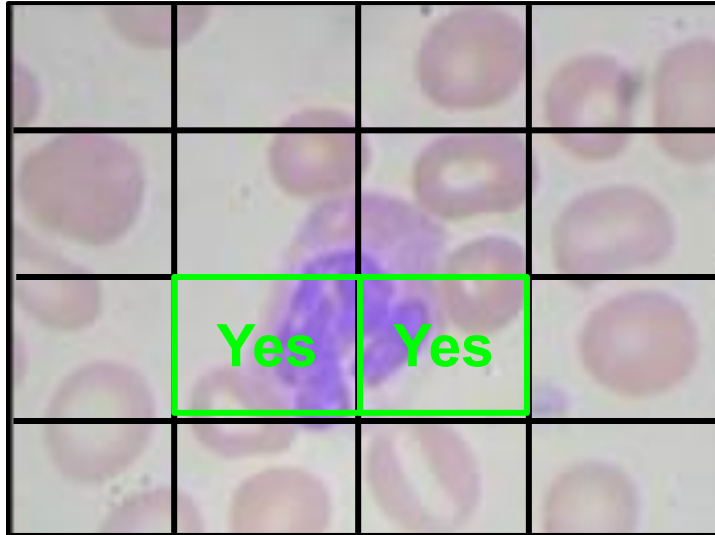
- **Step 1:** Divide image into patches
- **Step 2:** Classify each patch

Naive Approach 2



- **Step 1:** Divide image into patches
- **Step 2:** Classify each patch
- **Step 3:** Return Patch coordinates as bounding box

Problems with Naive Approach 2



Problems:

- Imperfect bounding box
- Two bounding box for same WBC



Thank You