

Add Feature : Width to Height Ratio

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Tags :

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Goal : Add the feature : Width to height ratio

Procedure :

After viewing the images, I came to the conclusion that, a lot of the images can be easily classified to their correct classification based on their width to height ratio. A lot of images have specific shapes and they are in constant proportion in all images.

1. Pre-process the image.
2. Get the width to height ratio using the Measure Module from the 'scikit-image' library.
3. Add to the feature matrix.

Results :

I got 43% accuracy by doing so.

This was the first working model of the application with a proper feature and significant results.

Although, this is a success, I am marking this experiment as to be redone. The measure module provides a lot of features which can be readily used for this project. The experiment has to continue to include some or all of the other properties and see the trade-off between performance vs speed.

elabid : 20151024-162418ced3abda5f57a07066a1be643ed95b17b9

link : <https://localhost:443/elabftw/experiments.php?mode=view&id=6>