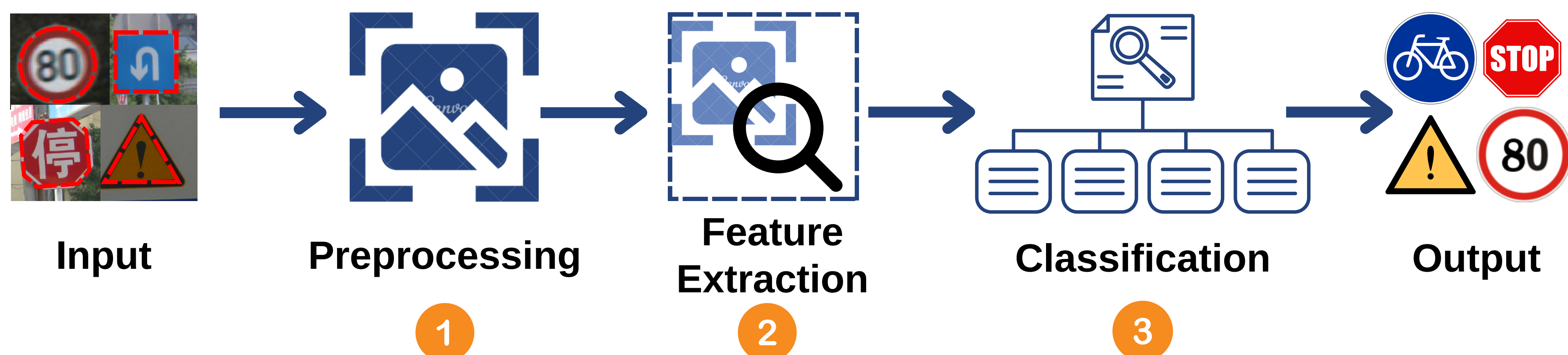


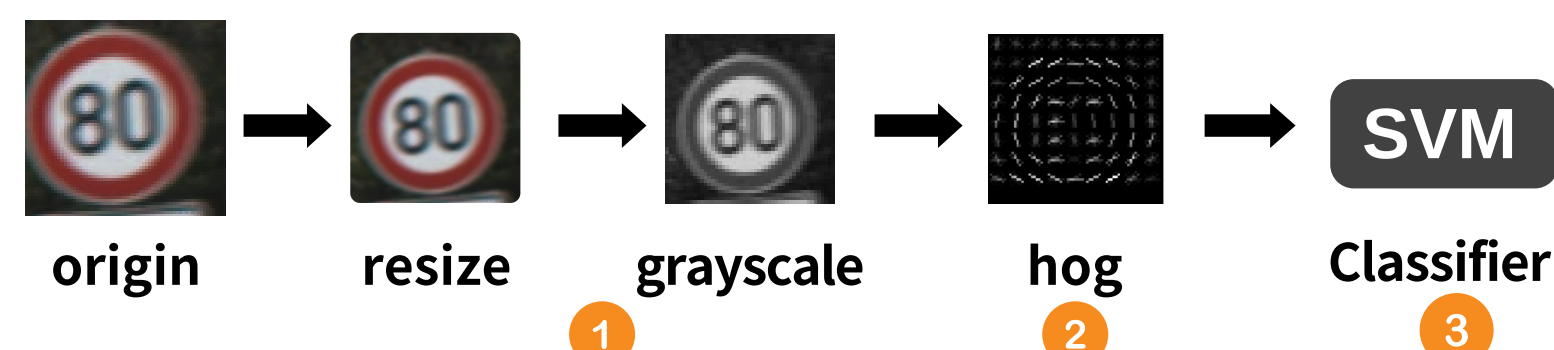
TRAFFIC SIGN RECOGNITION



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Institution: School of Cyber Science and Engineering, Sichuan University

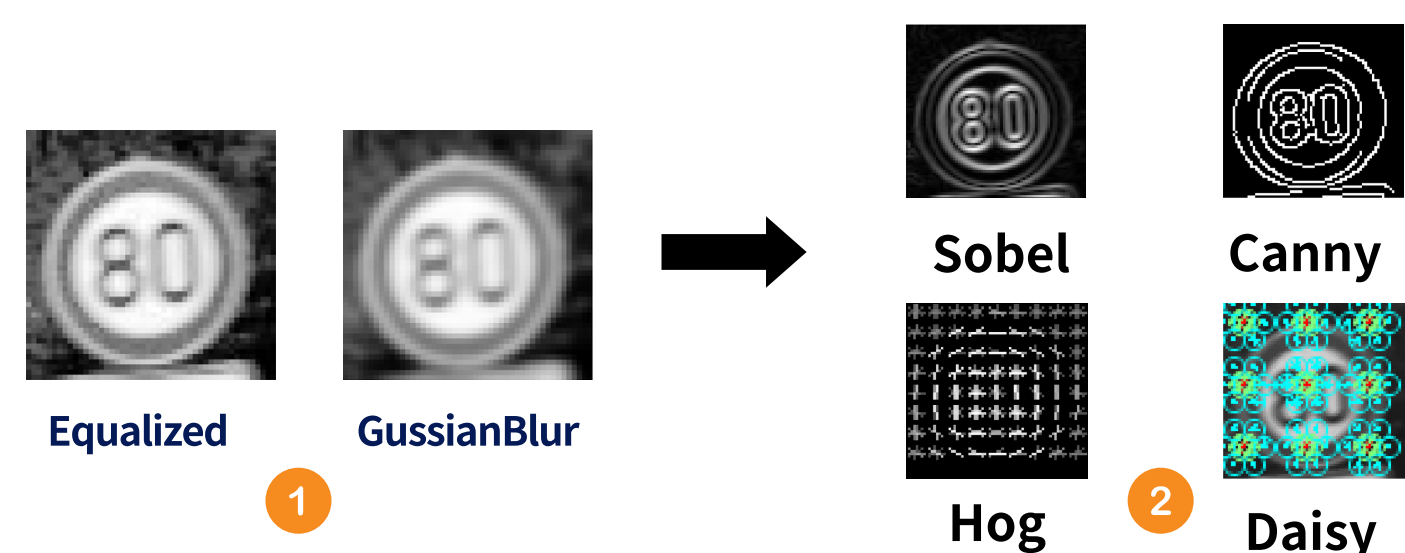


1 Beginner Level

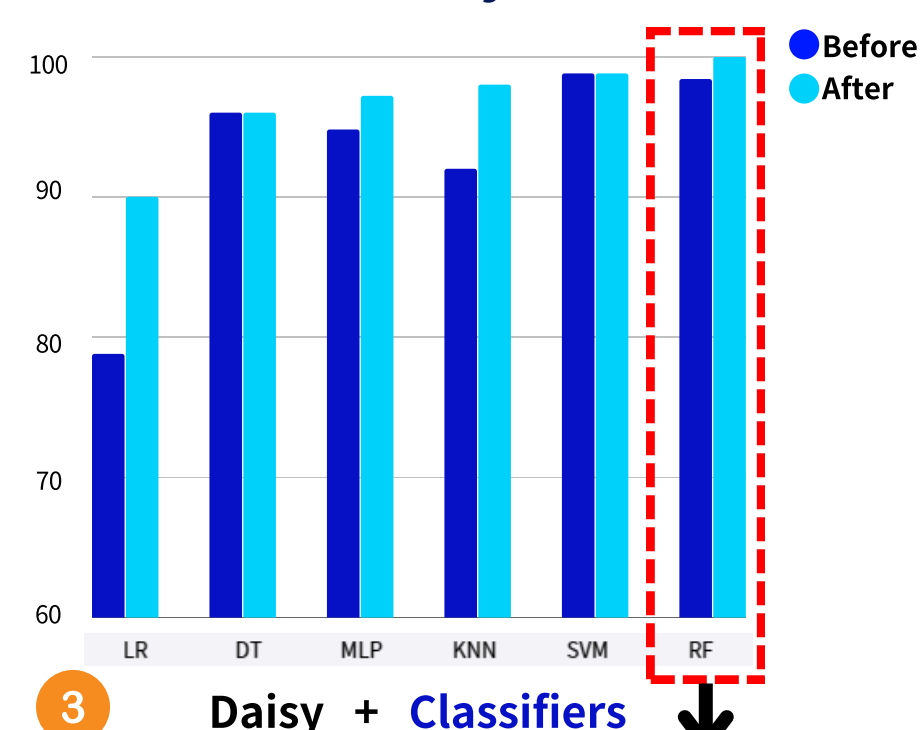


After resizing and graying the image, we use hog as the feature-extraction method and SVM as the classifier to simply process the image.
The final classification accuracy rate is **95.3%**.

2 Expert Level



Parameters Adjustment

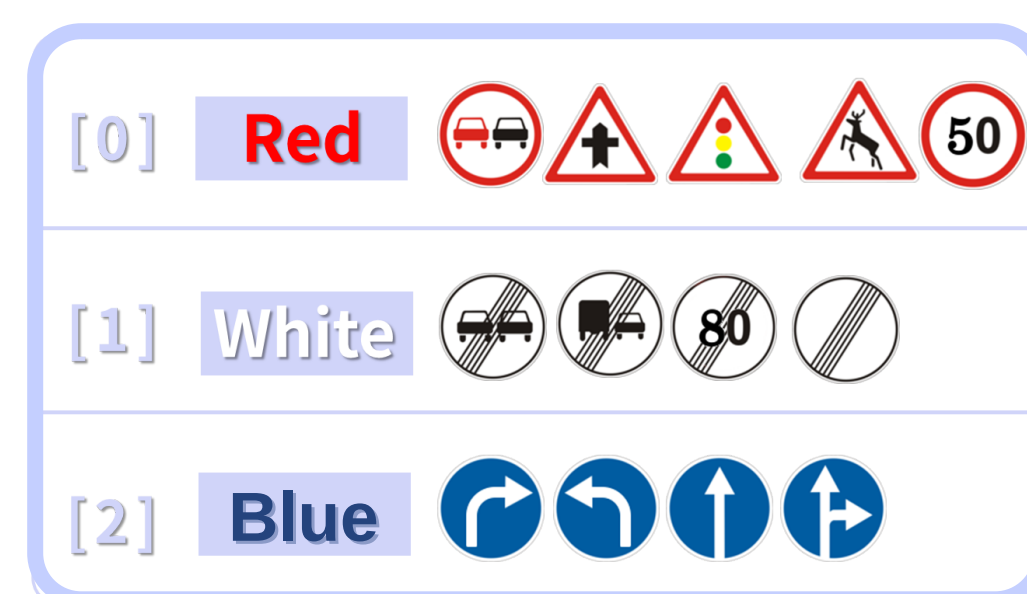
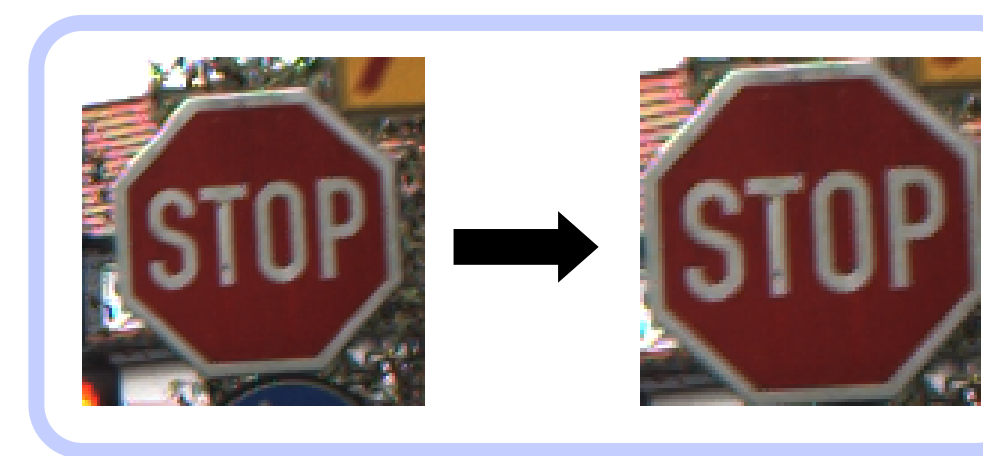
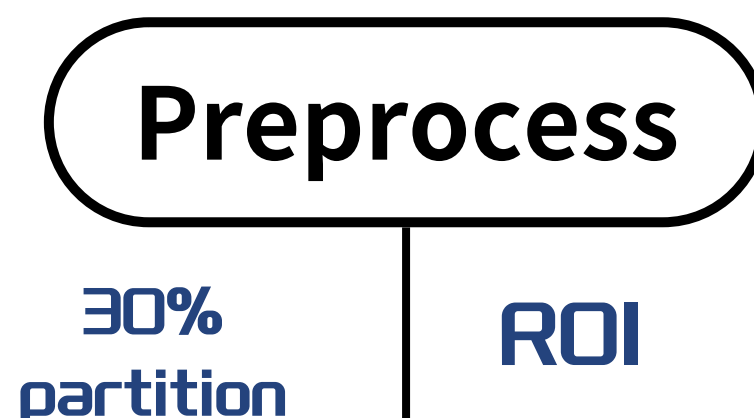


In this level, we add histogram-equalization and Gaussian blur on image to make it clearer and smoother.

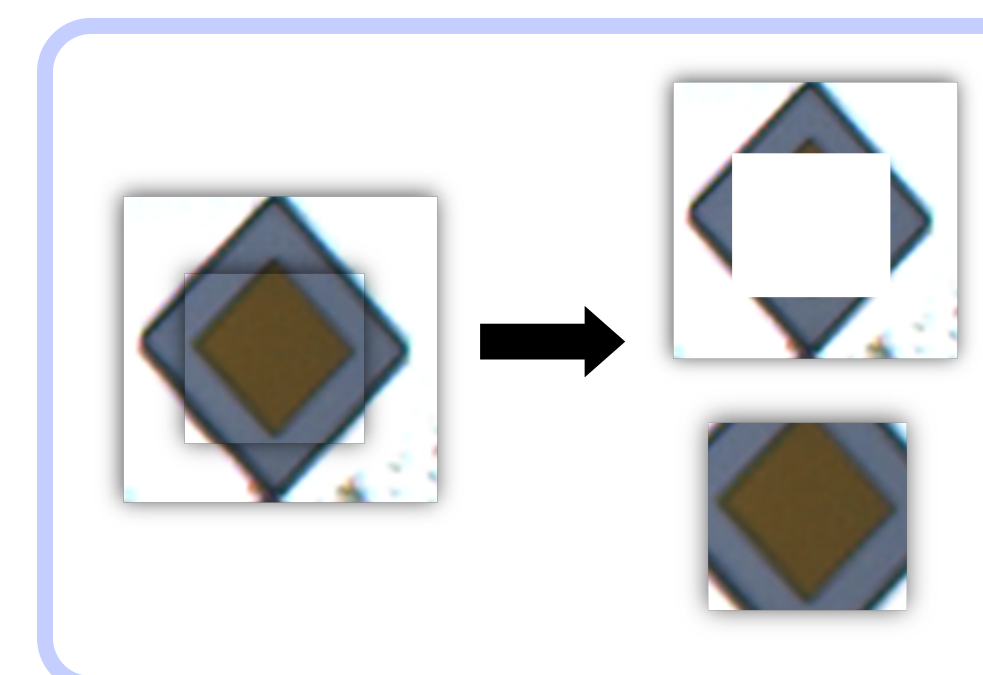
We tried 4 feature-extraction methods and found that daisy did the best. Then we tried 6 classifiers and did parameters adjustment.

The highest accuracy is Daisy+ RF: **99.3%**.

3 Bonus Level



Color Feature extraction



Accuracy: **92.1%**