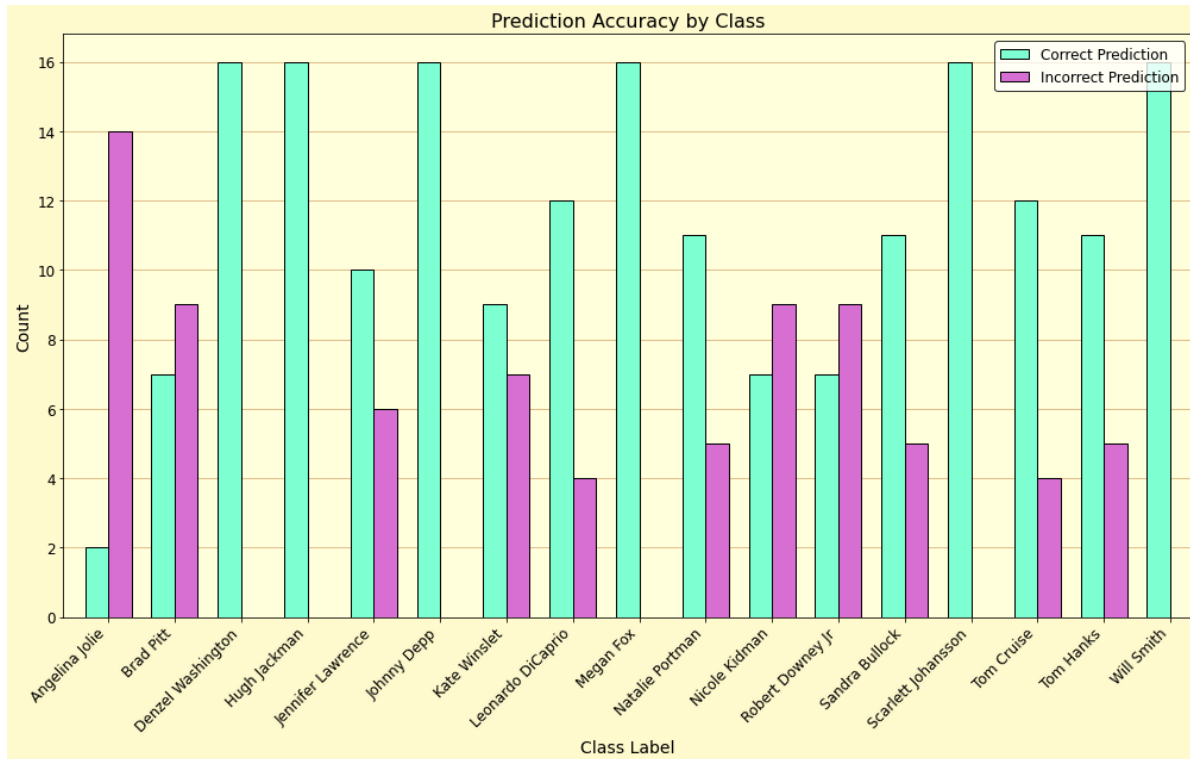


Goal: Find Best type of Approach for facial recognition Models

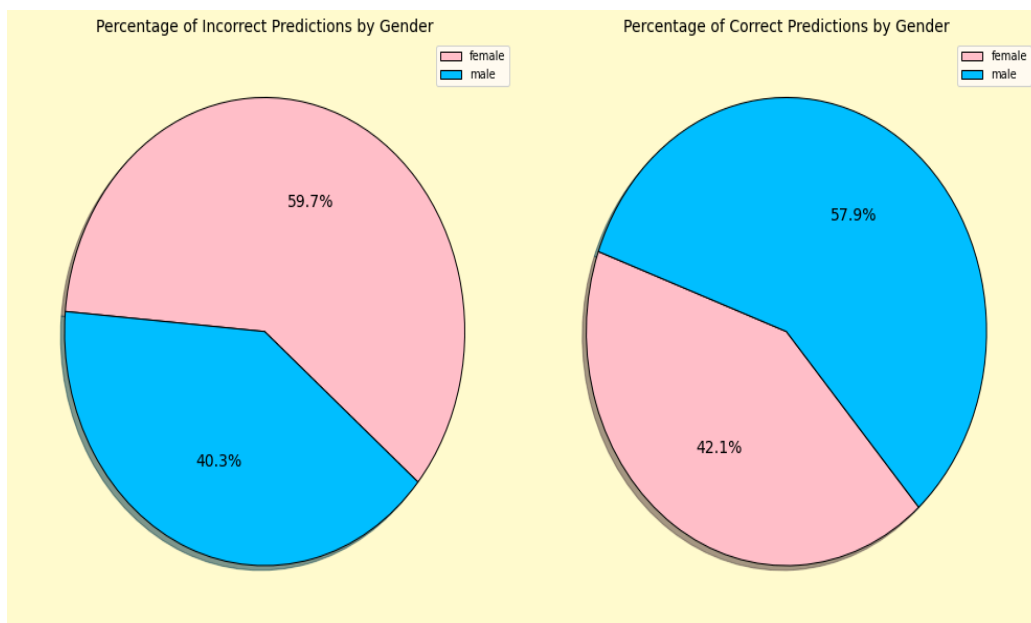
Hypothesis: Models with Augmentation, Coloring, Regularization, and Ensemble work best.

How does ensemble influence the prediction accuracy of facial recognition models?

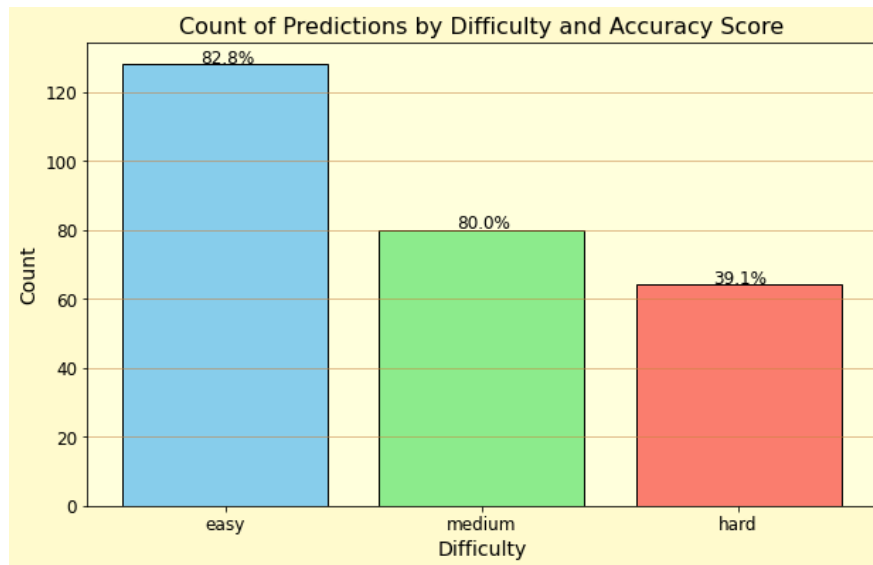
How does Class Label Affect Overall Prediction Accuracy?:



Does Gender of Class Label Affect Overall Prediction accuracy?

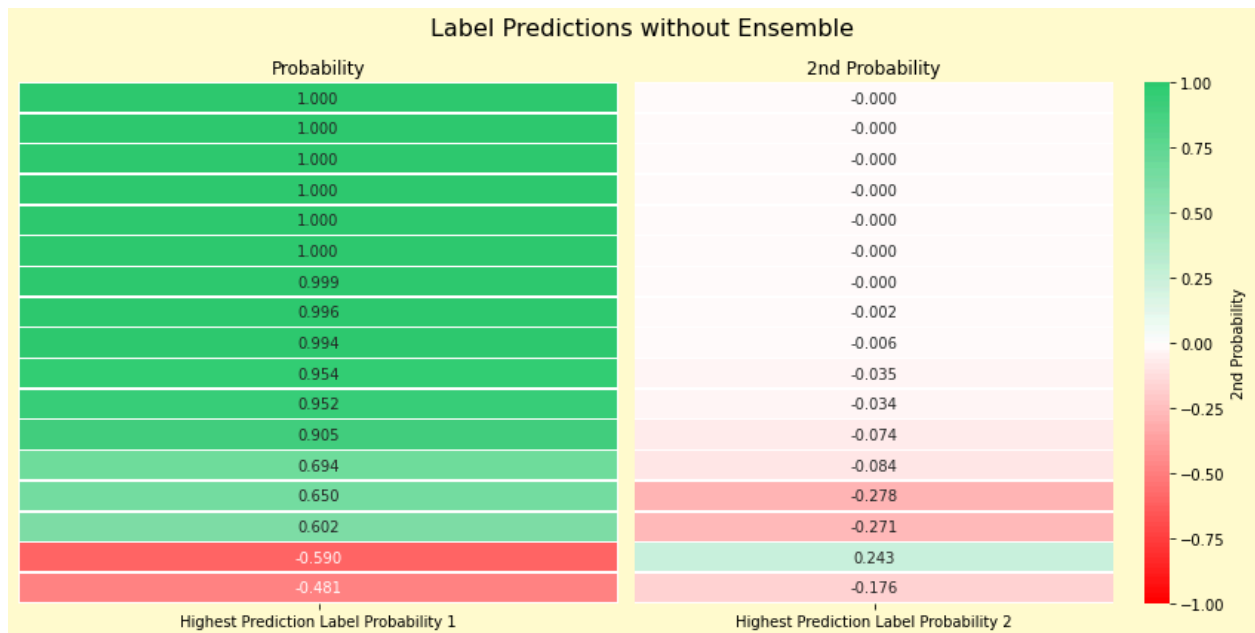


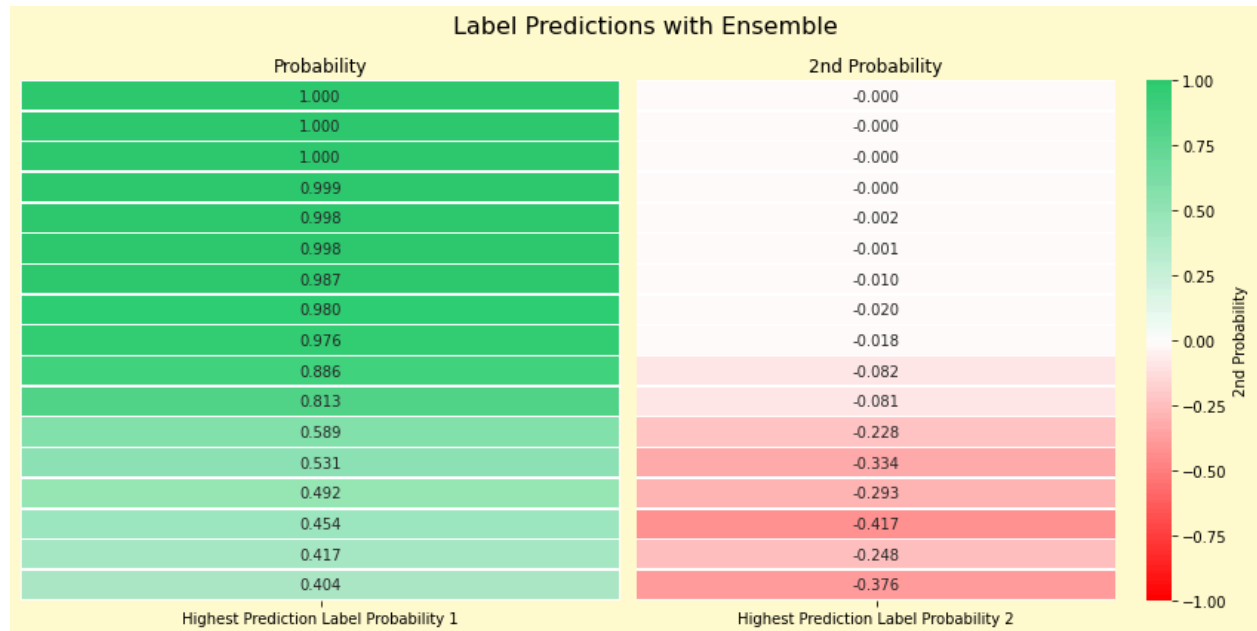
How does arbitrary difficulty of an image affect the prediction accuracy?



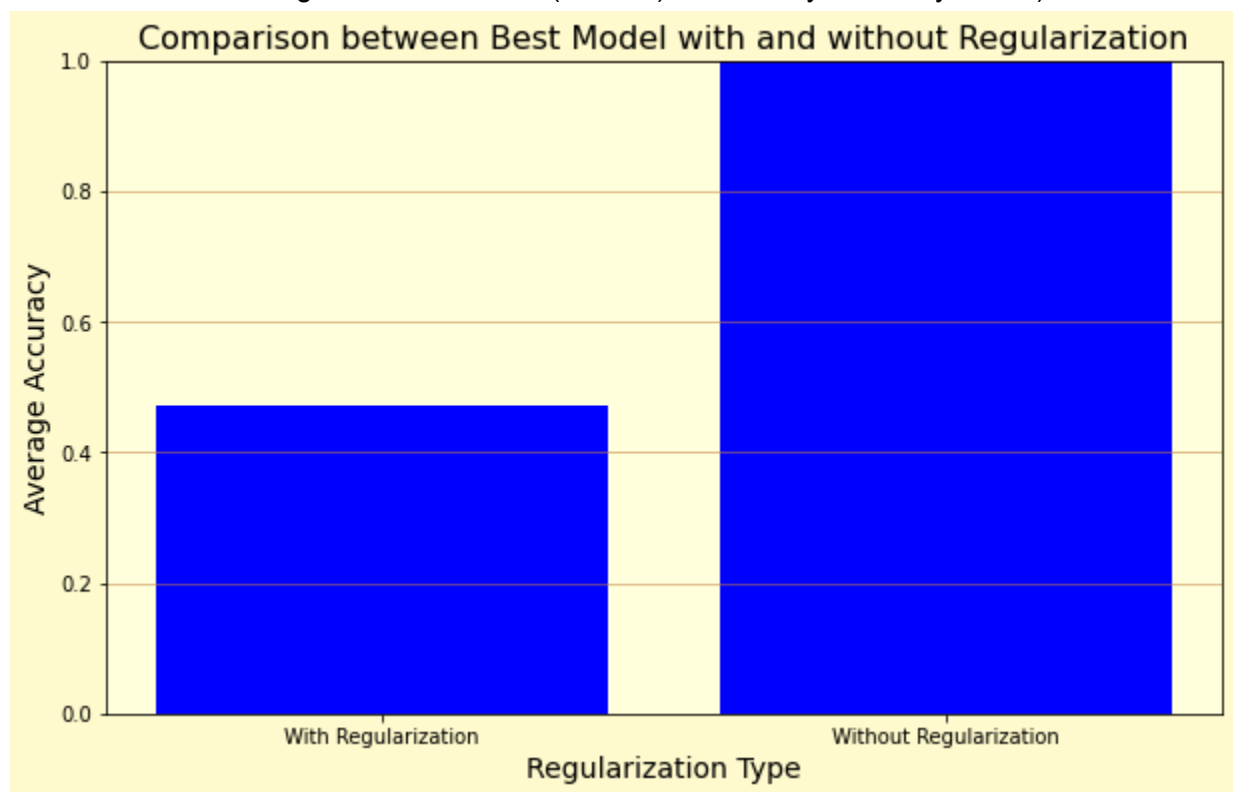
How does the most optimized model compare to the base model (no augmentation, no color, no ensemble)?

How does a model with ensemble compare to a model without ensemble?





How much does Regularization help the accuracy of Models? (Validation set only consists of one image from each class (17 total) that is why Accuracy is at 1):



How does coloring/augmentation influence the prediction accuracy of facial recognition models?

