

Feature Correlation Heatmap fixed acidity --0.25 -0.075 0.17 0.11 -0.16 -0.11 -0.69 0.17 0.12 -0.28 volatile acidity --0.25 -0.54 1 -0.0058 0.056 -0.0020.078 0.017 0.22 -0.28-0.2 -0.0079 citric acid --0.54 1 0.25 -0.058 0.037 0.38 -0.55 0.11 0.24 0.18 0.33 -0.14 residual sugar -0.17 -0.0058 0.18 1 0.071 0.17 0.19 0.38 -0.120.017 0.058 0.022 -0.046-0.12 chlorides -0.11 0.048 -0.230.056 0.25 0.071 1 0.015 0.21 -0.28 0.37 -0.088free sulfur dioxide --0.16 -0.002 -0.058 0.17 0.015 1 -0.054 0.073 0.034 -0.047-0.0630.095 -0.18 total sulfur dioxide - - 0.11 0.078 0.037 0.19 1 0.05 -0.059 0.027 -0.190.048 -0.11 1 -0.35 -0.49 -0.18 density -0.017 0.38 0.38 0.21 -0.0540.05 0.14 -0.36 pH --0.55 -0.12 0.073 -0.69 0.22 -0.28 -0.059 1 -0.190.23 -0.0520.13 sulphates - 0.17 0.26 -0.280.33 0.017 0.37 0.034 0.027 0.14 -0.19 1 0.094 -0.1 alcohol - -0.075 -0.2 0.11 0.058 -0.23 -0.047 -0.19 -0.49 0.23 0.094 0.48 0.24 -0.41 quality -0.12 0.24 0.022 -0.12-0.063 -0.18 -0.18 -0.052 1 0.26 0.48 0.07 -0.36 ld --0.28 -0.0079 -0.14-0.046 -0.088-0.11 0.095 0.13 -0.1 0.24 0.07 acidity alcohol dual sugar sulphates 0 pe

1.0

- 0.8

- 0.6

- 0.4

- 0.2

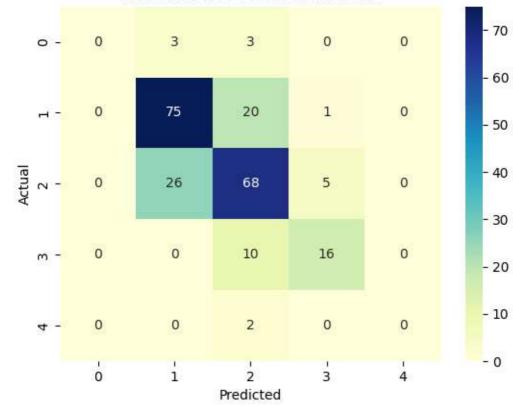
- 0.0

-0.2

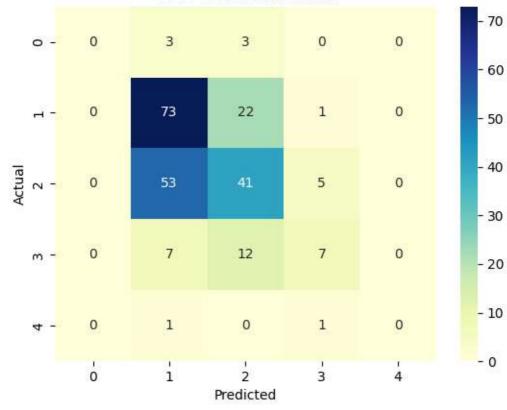
-0.4

- -0.6

Random Forest Confusion Matrix



SGD Confusion Matrix



SVC Confusion Matrix Actual 2 - 30 m -- 20 - 10 - 0

Predicted