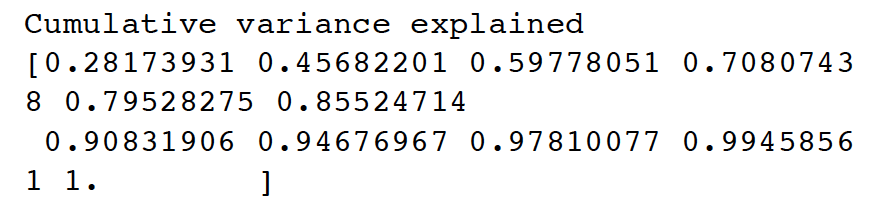
Supplementary Document

Zhaoyang Gu

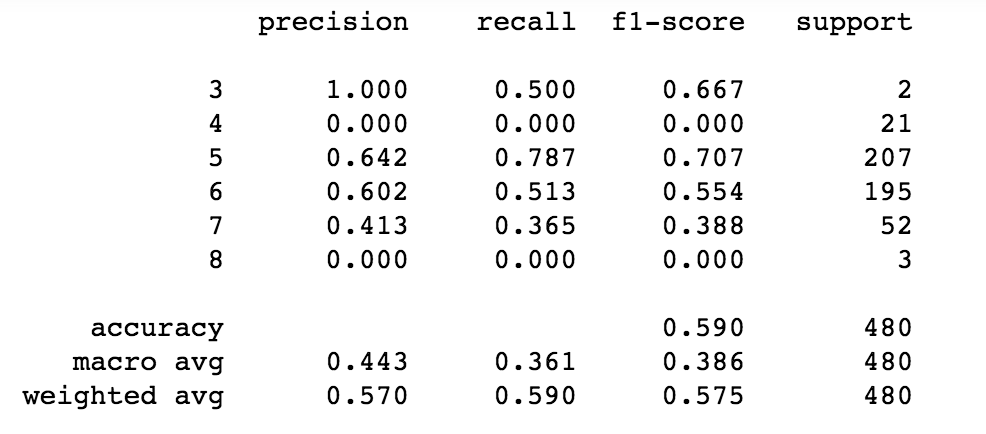
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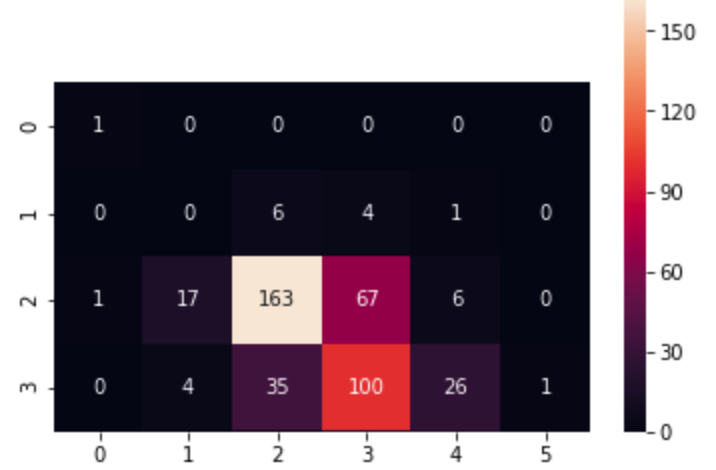
**Figures:**



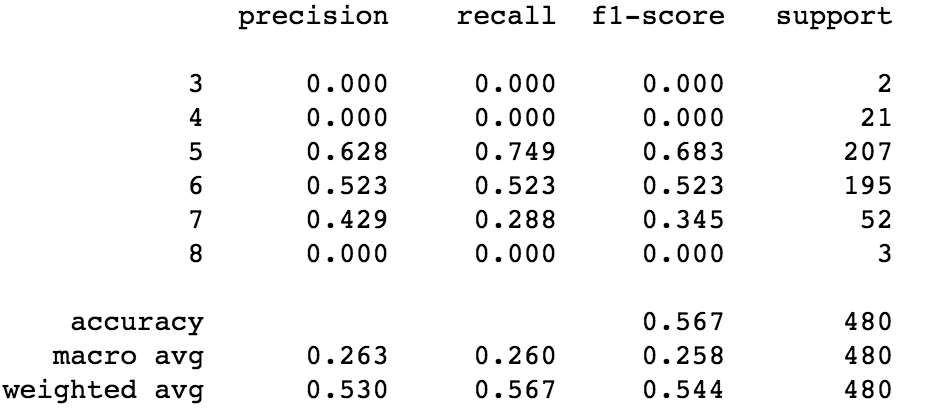
**Figure 1. Cumulative variance explained by principle components**

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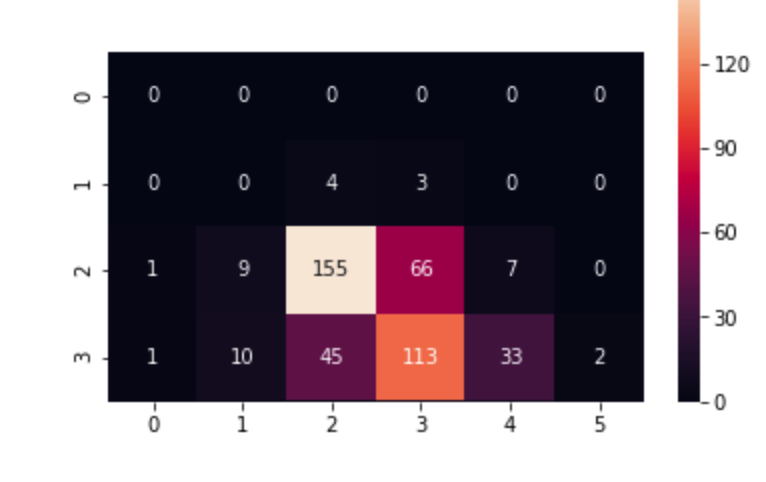
**Figure 2. report of QDA classification on original quality scores**

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**Figure 3. Confusion matrix of QDA classification on original quality scores**

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**Figure 4. report of LDA classification on original quality scores**

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**Figure 5. Confusion matrix of LDA classification on original quality scores**

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**Figure 6. Pair plots after re-coding the quality variable**