For milestone 2, the background information is NOT about the specific classifier.

That part goes to the Technical Approach. The background should be about the domain

problem you are working on, e.g., why pattern recognition is important for this problem?

How would be benefit the society? For recognition purpose, what kind of features have been used? and something about the dataset. e.g., who collected it? what's the best accuracy using the dataset so far? etc.

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Recently, the wine industry has been growing at a high rate. To support this high growth rate, the industry has invested in various technologies and techniques to create and sell wine. Elements of these technologies include wine cortication to prevent illegal adulteration of wines while ensuring quality in the market. Wine cortication is generally conducted by a series of physicochemical and sensory tests. These tests routinely determine wine based on its physical levels in a chemical sense as well as by human experts, though it should be noted that the relationship between the two tests are complex and still not fully understood.

Thanks to pattern recognition, we can collect highly complex datasets composed of the results of the physicochemical and sensory tests. Graphically representing the data for multivariate analysis is very useful. However, the representation has limited applications in pattern recognition.