The class distribution for the 'NObeyesdad' target variable shows that the classes are relatively balanced, with **each class** contributing **between approximately 12.88% and 16.63%** of the dataset. This suggests that the dataset **is not significantly imbalanced**, making it suitable for most classification models without the need for substantial adjustments like resampling.

NObeyesdad is based on BMI, therefore, we should exclude weights and heights

Data distribution analysis

Gender vs. Class(NObeyesdad) relationship (positive or negative)