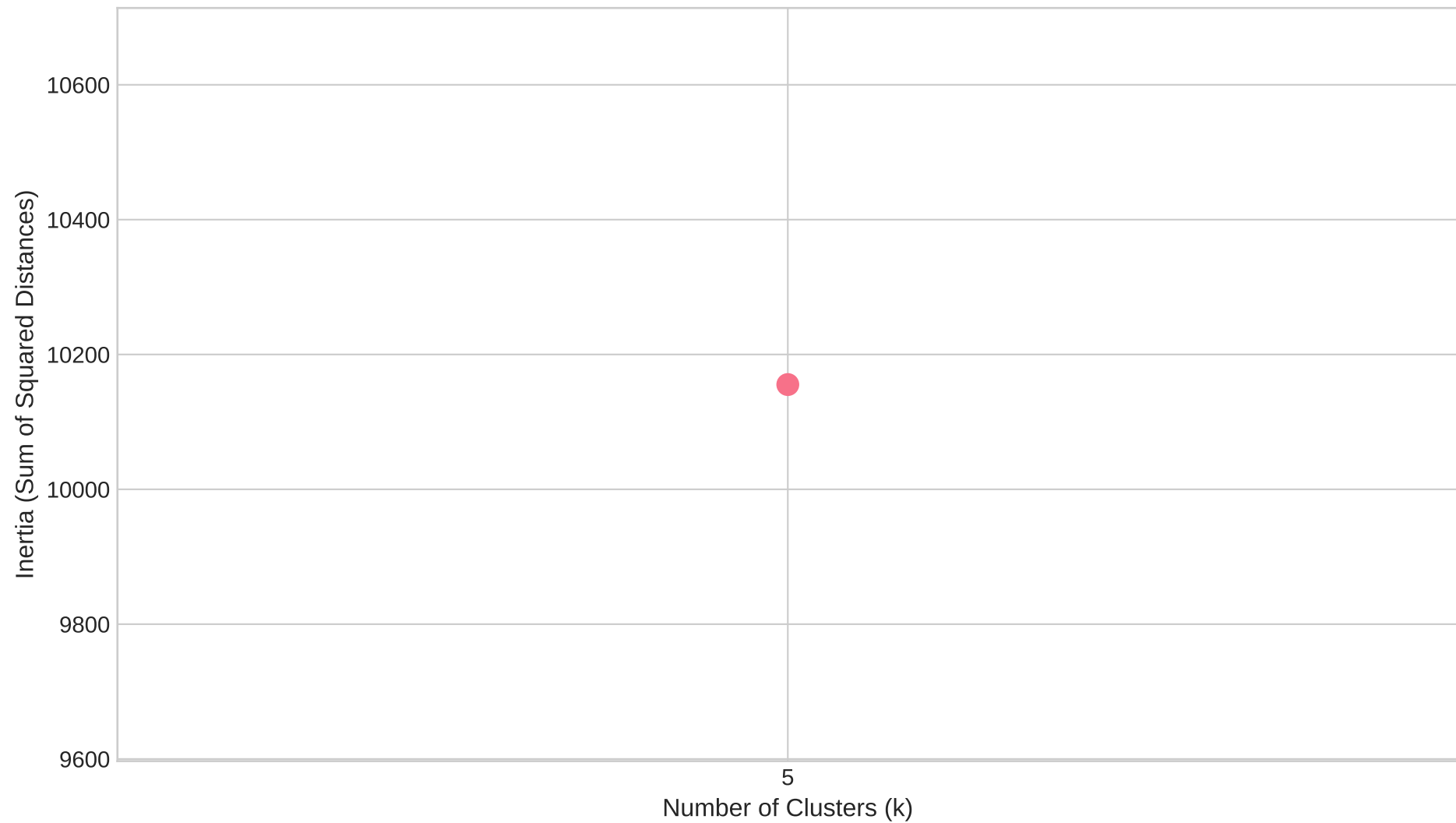
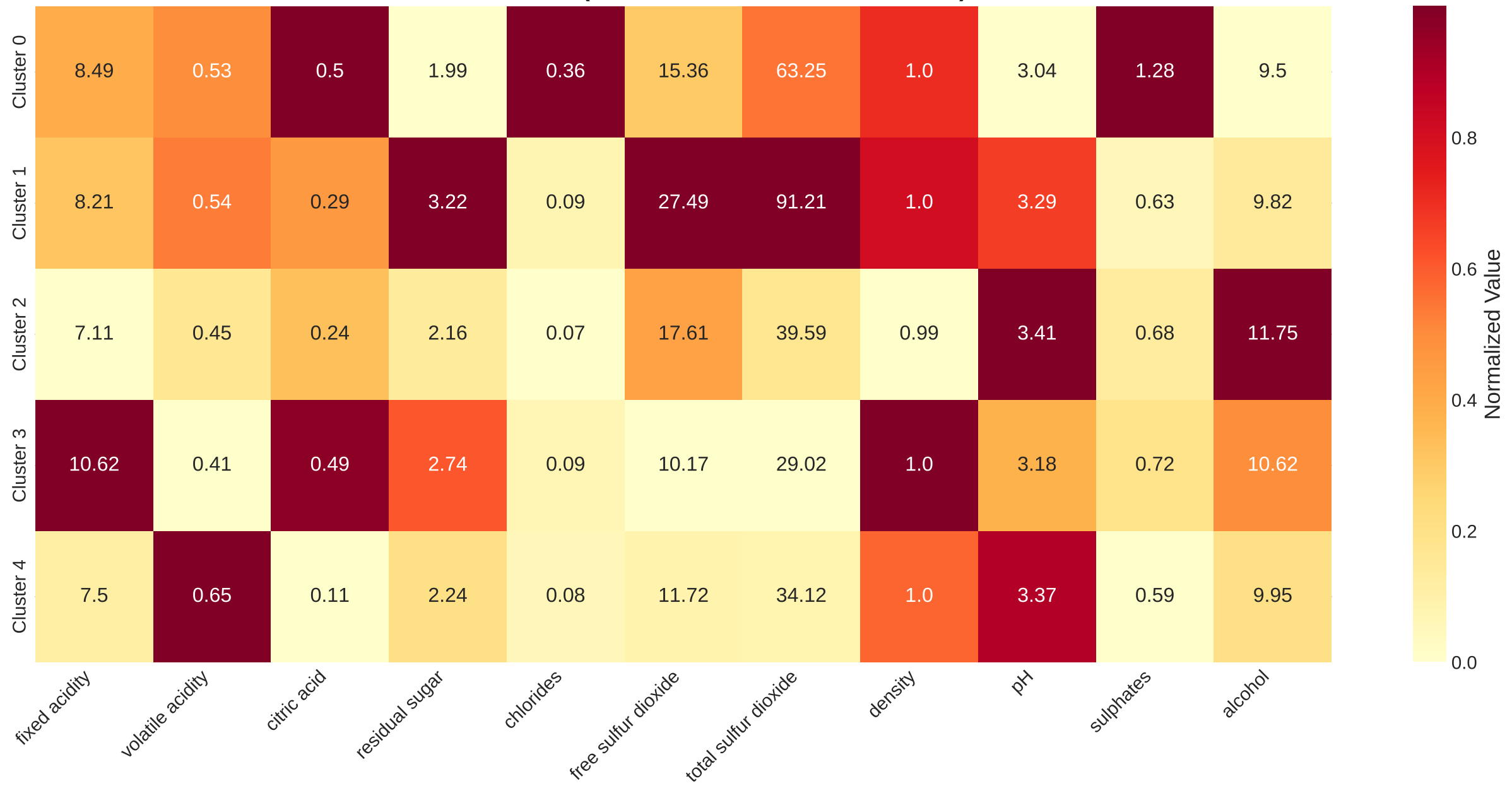


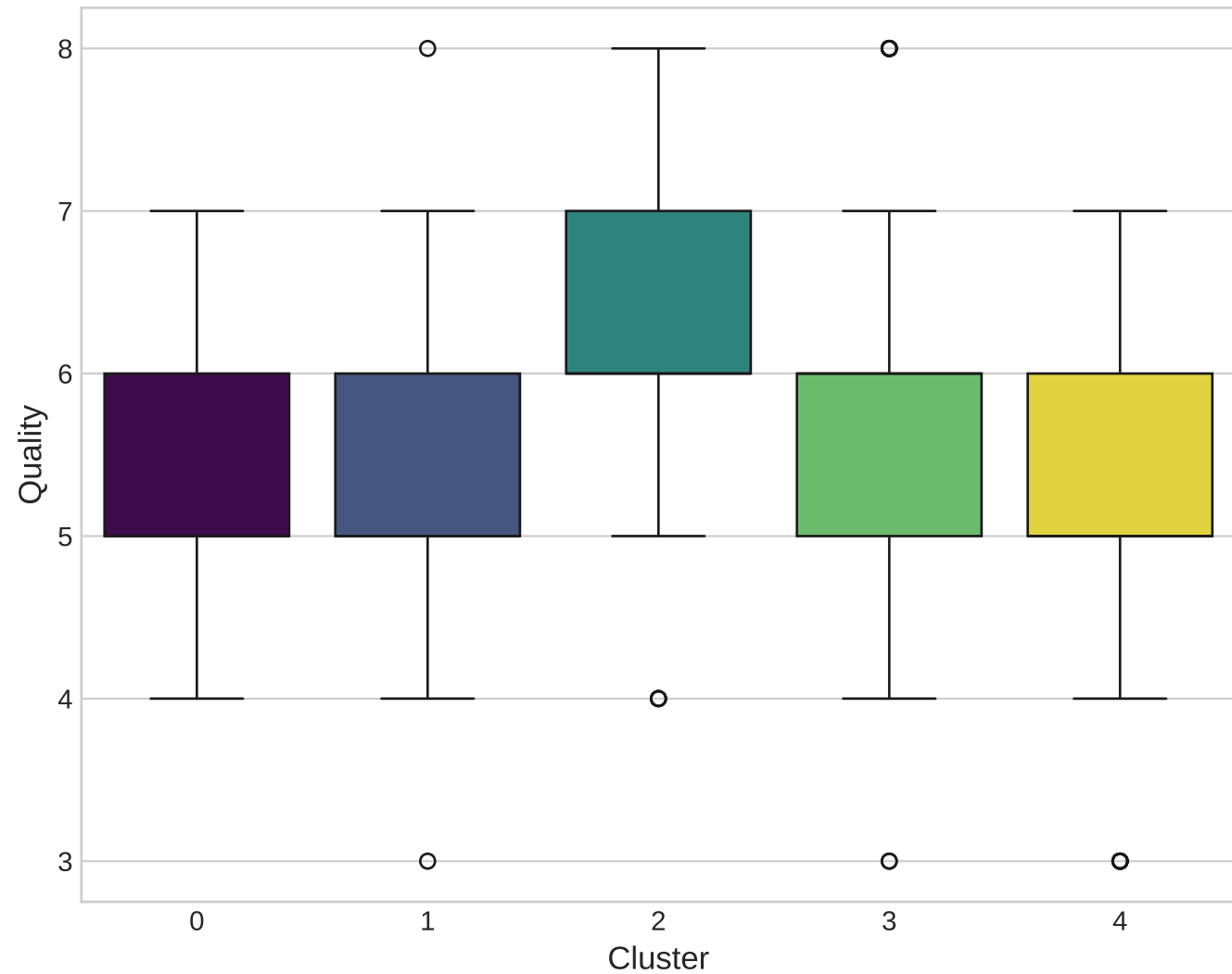
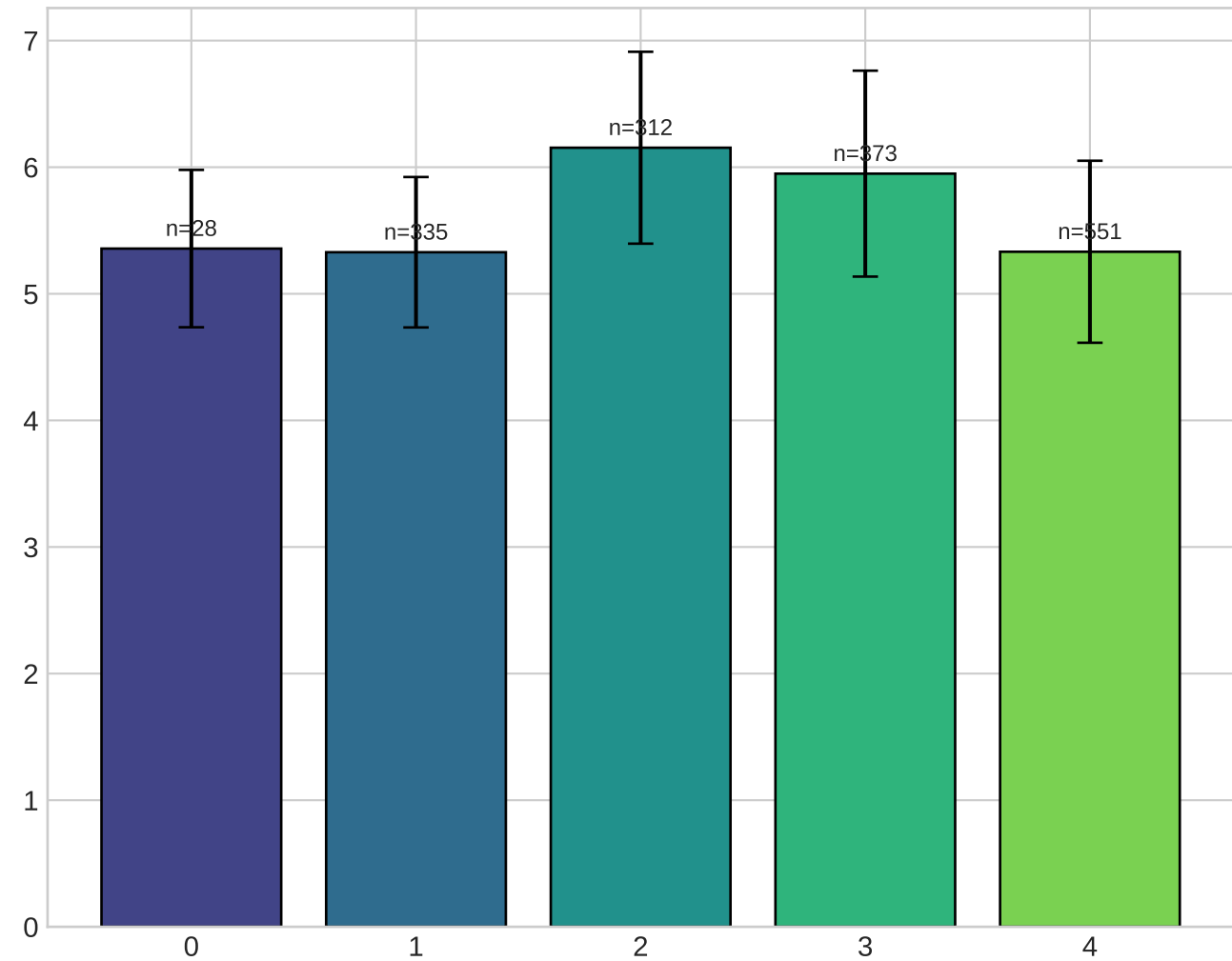
K-means Elbow Curve



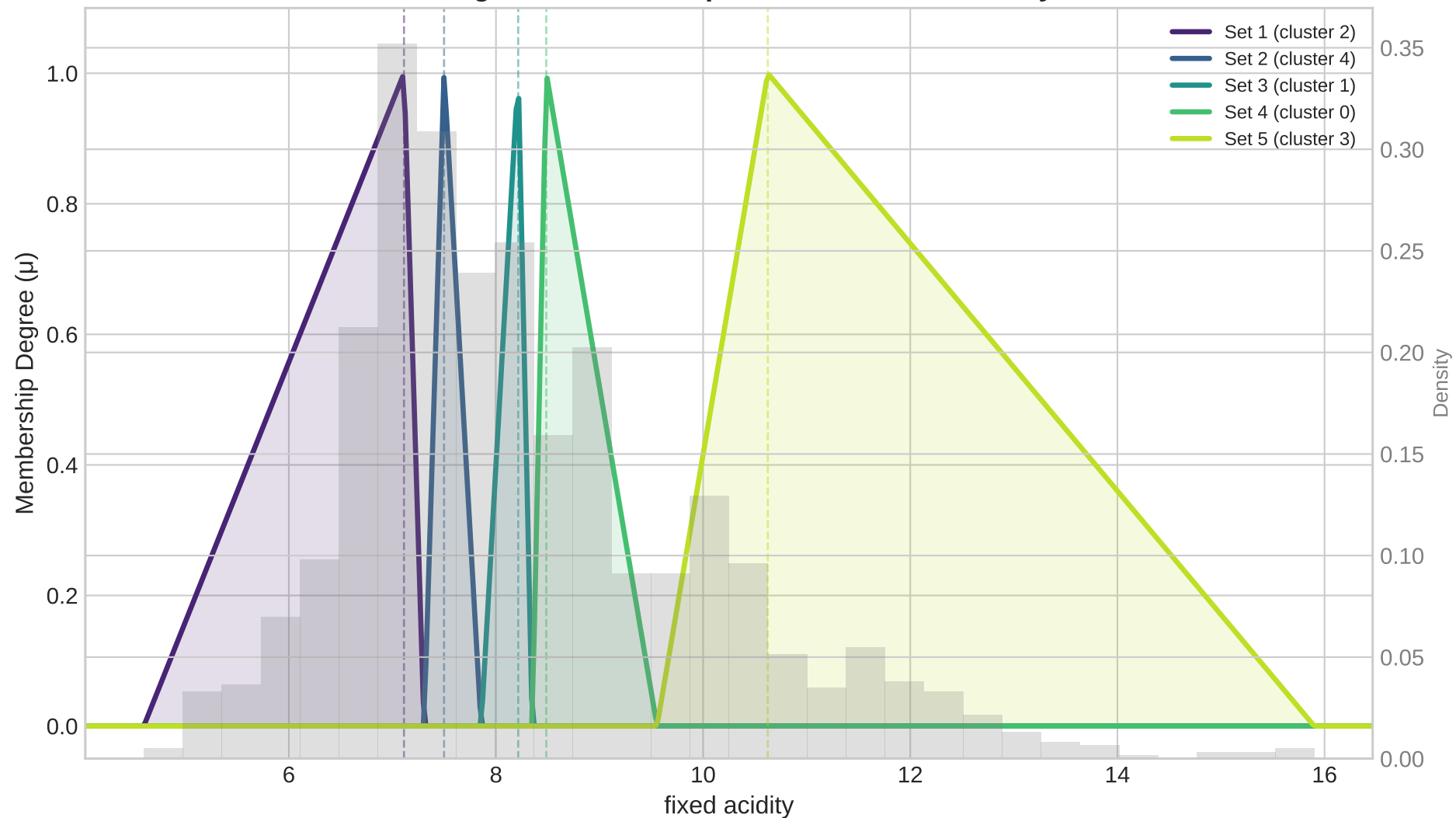
Cluster Centers (values shown, colors normalized)



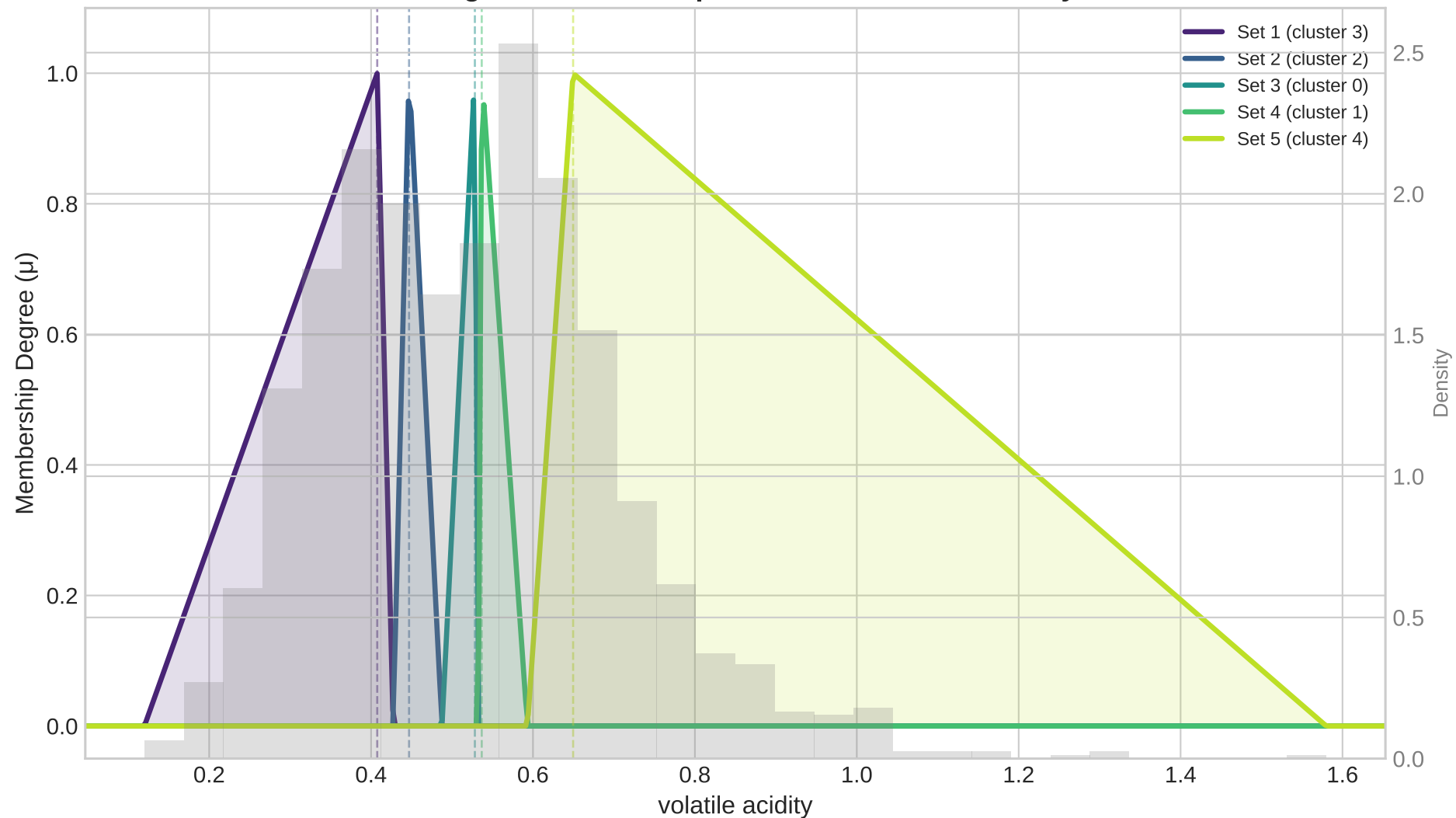
Quality Distribution by Cluster

Mean Quality by Cluster (± 1 std)

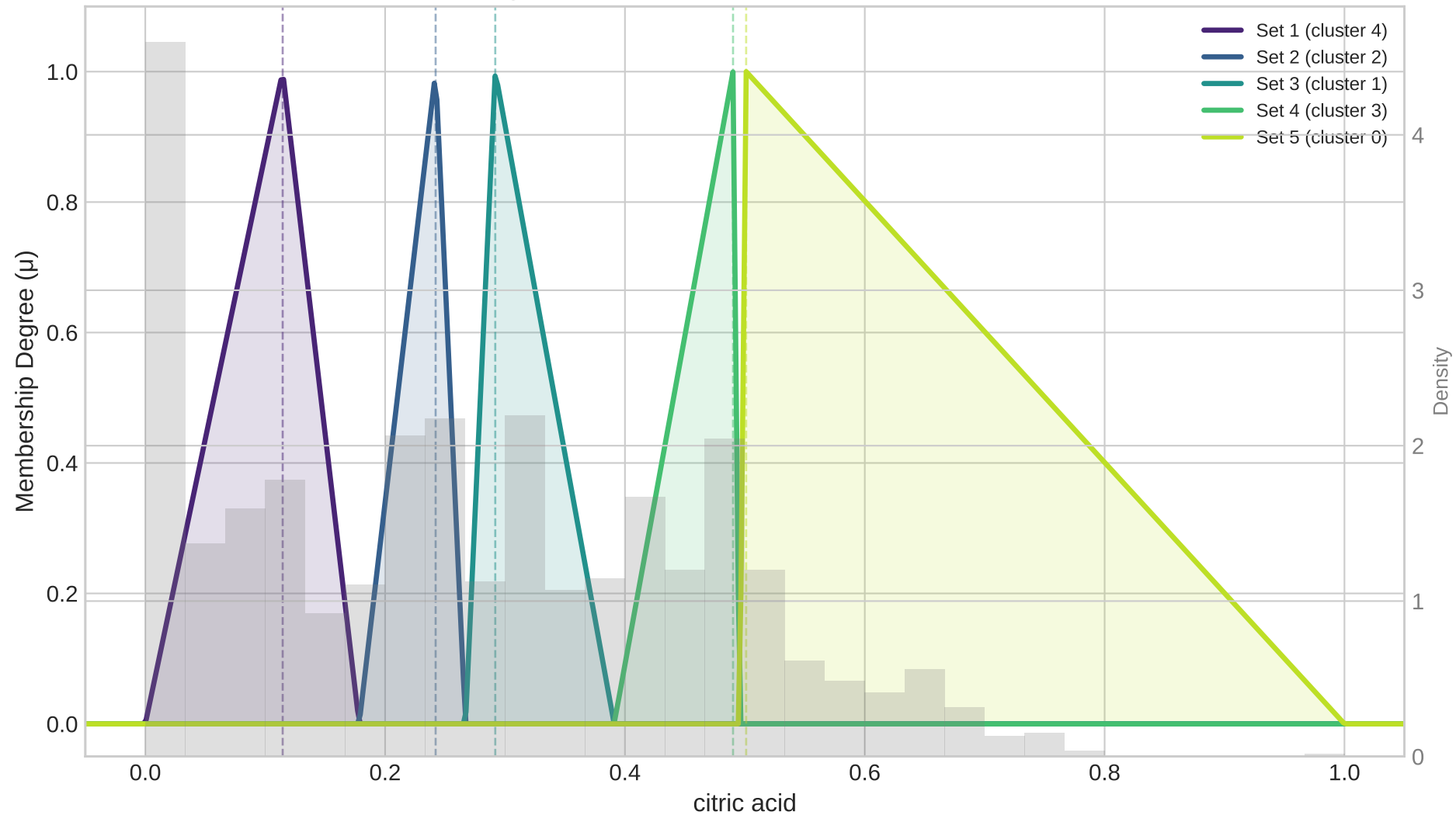
Triangular Membership Functions: fixed acidity



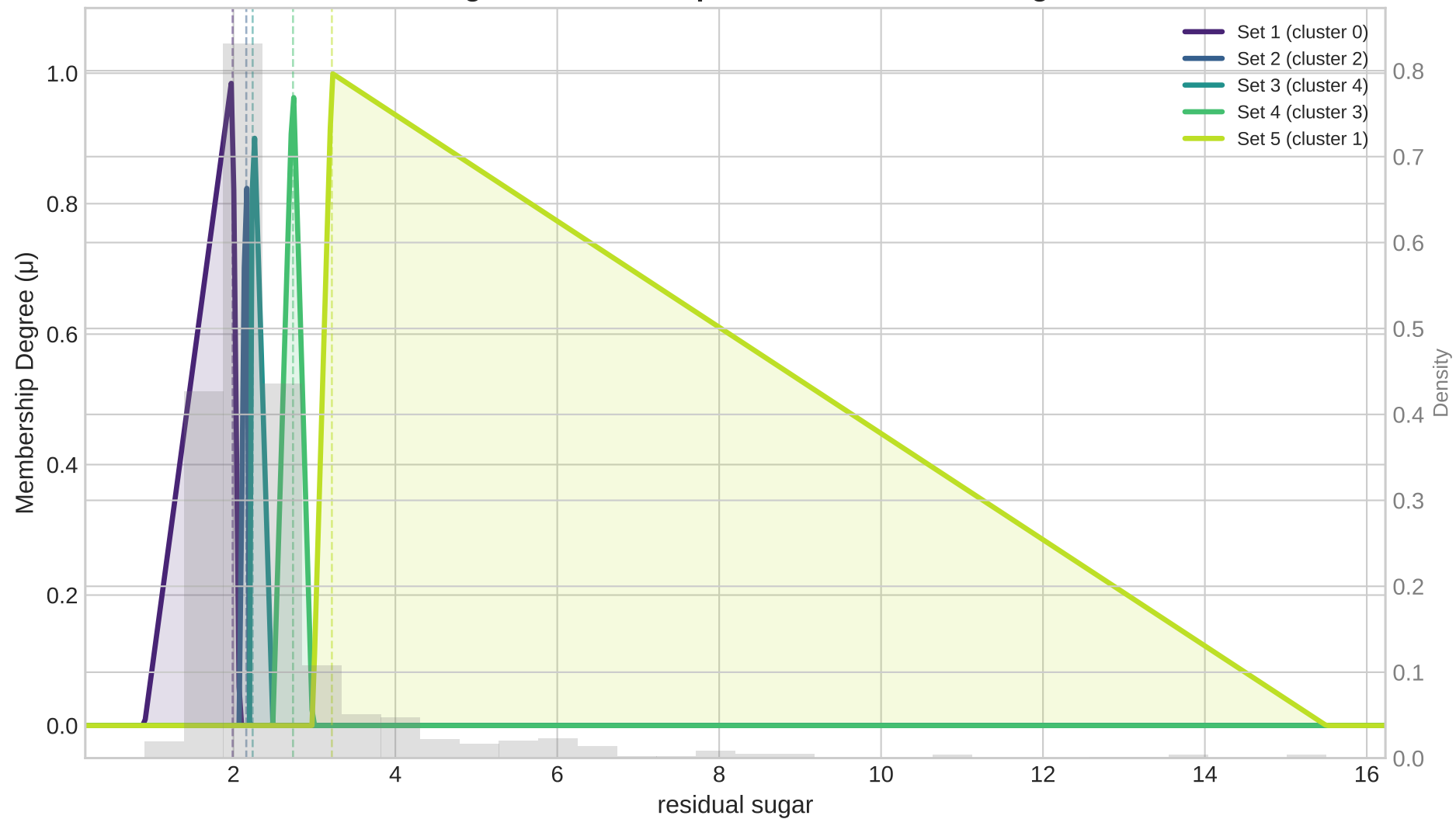
Triangular Membership Functions: volatile acidity



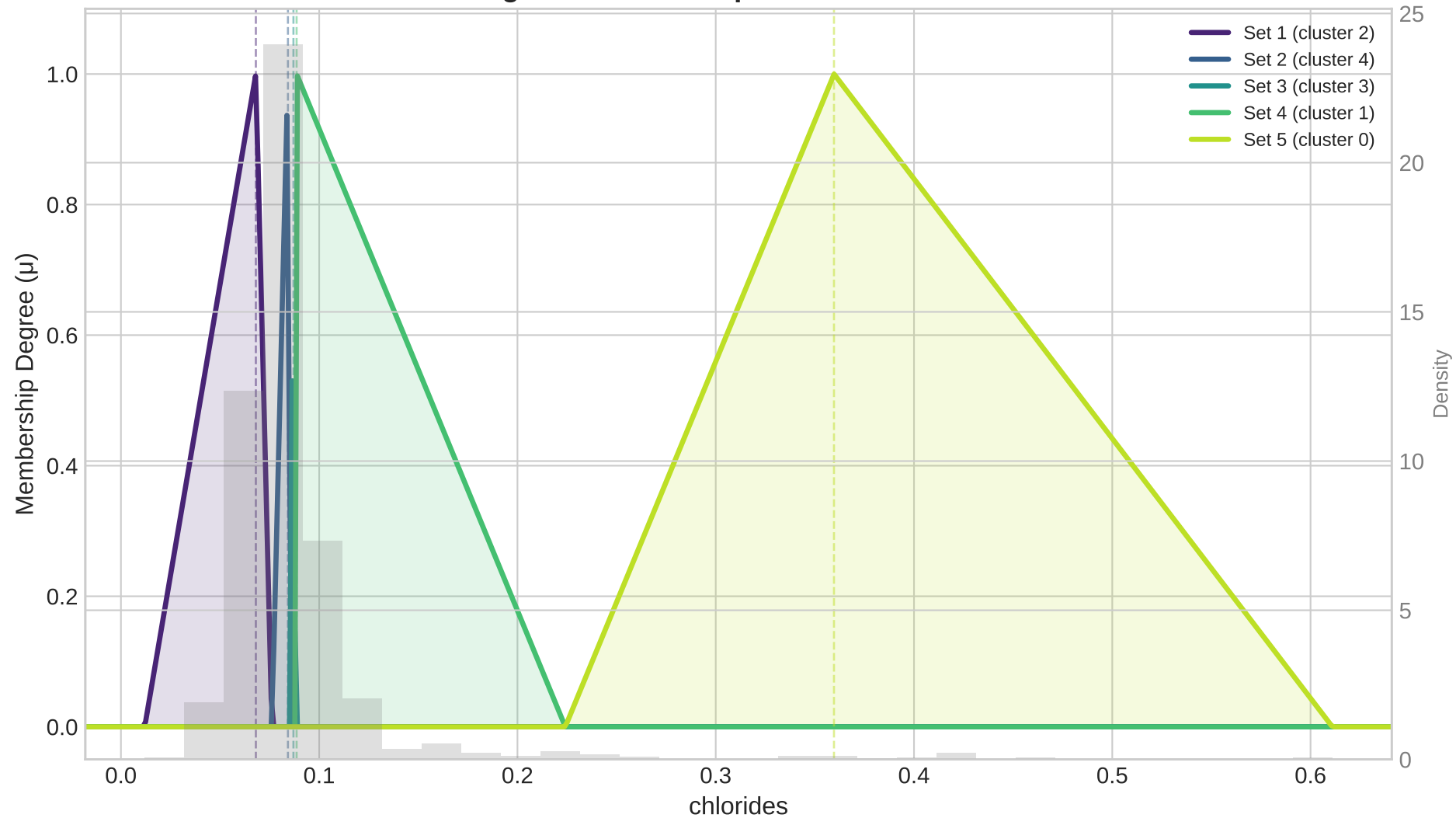
Triangular Membership Functions: citric acid



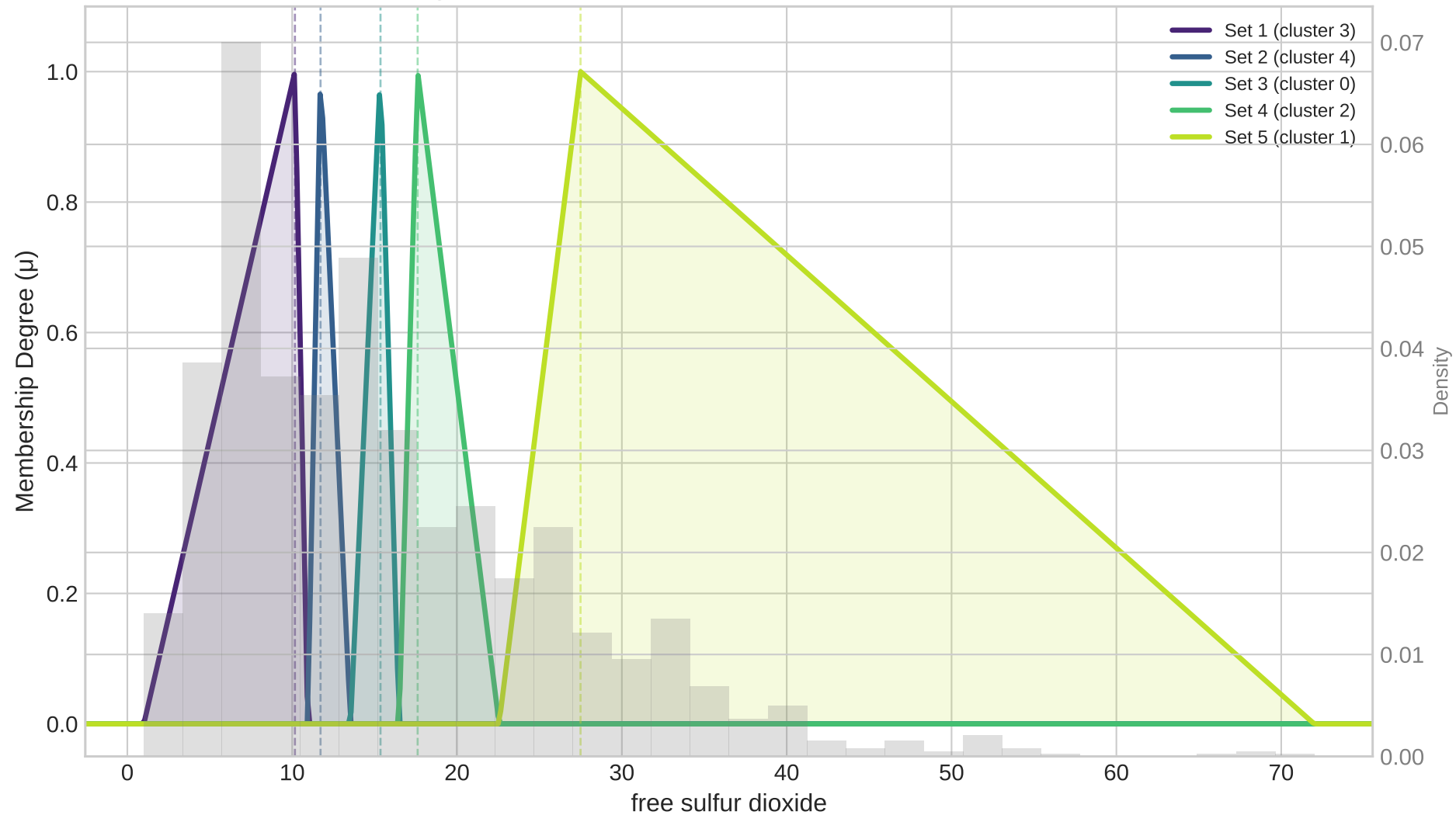
Triangular Membership Functions: residual sugar



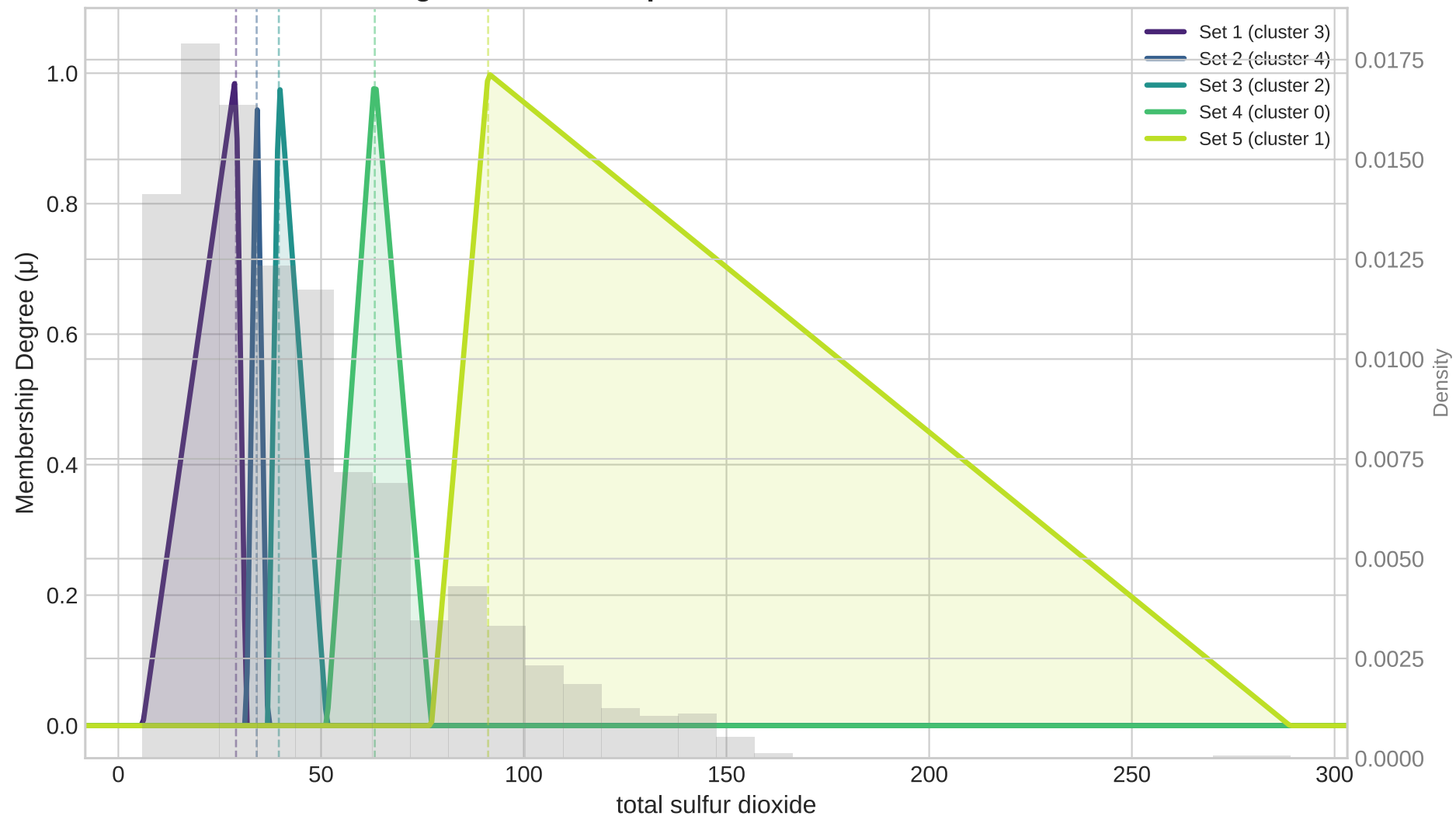
Triangular Membership Functions: chlorides



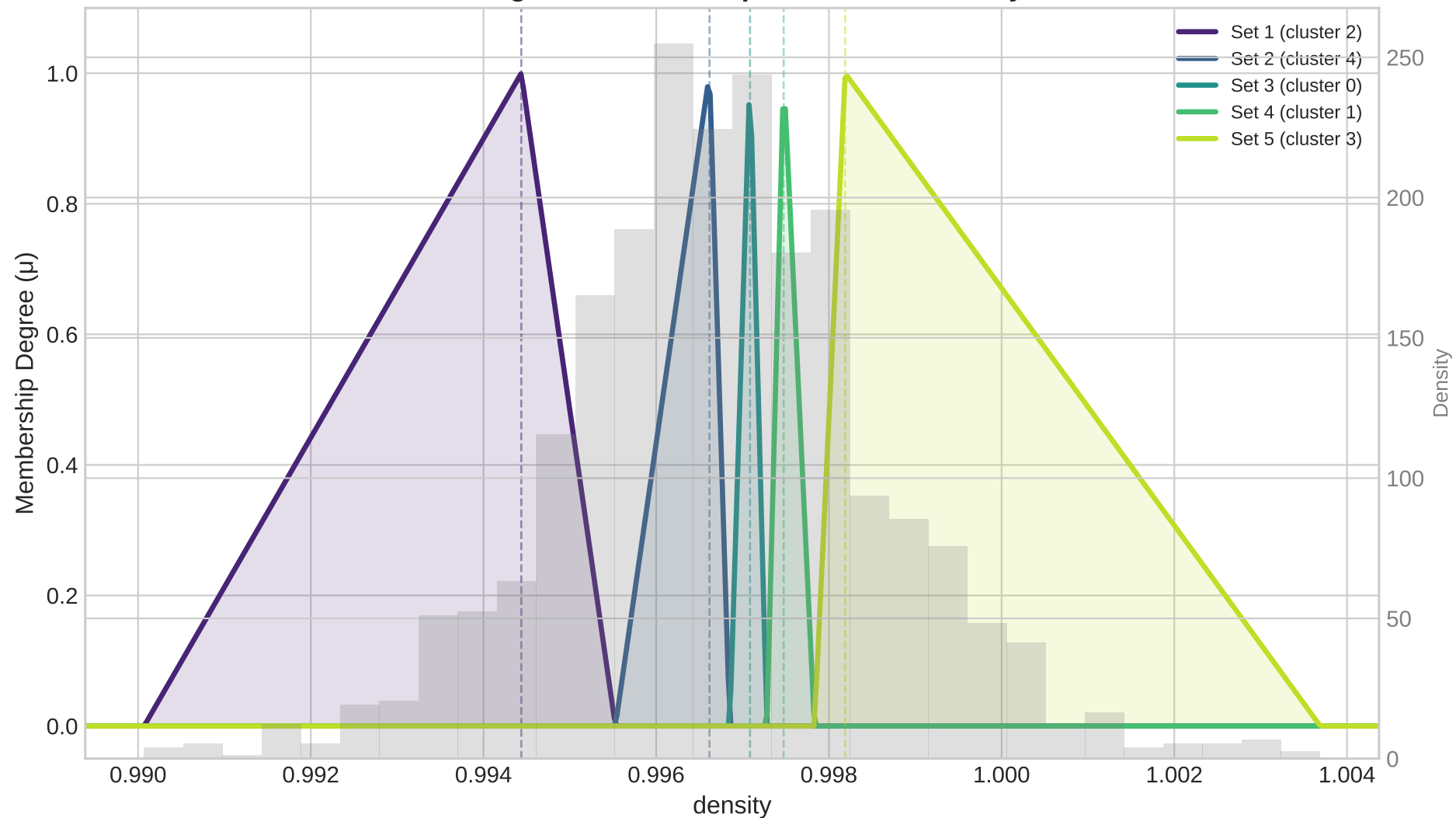
Triangular Membership Functions: free sulfur dioxide



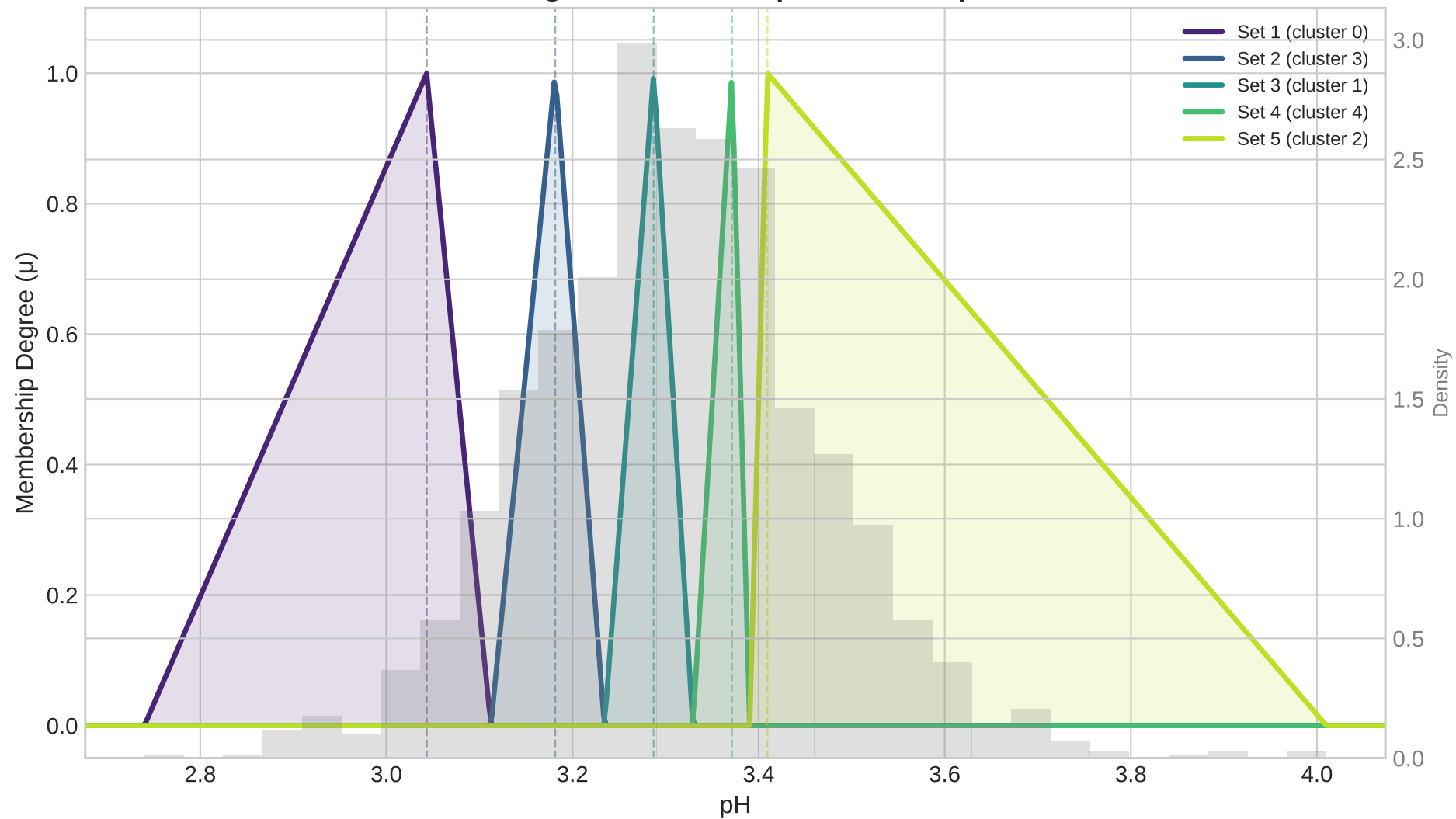
Triangular Membership Functions: total sulfur dioxide



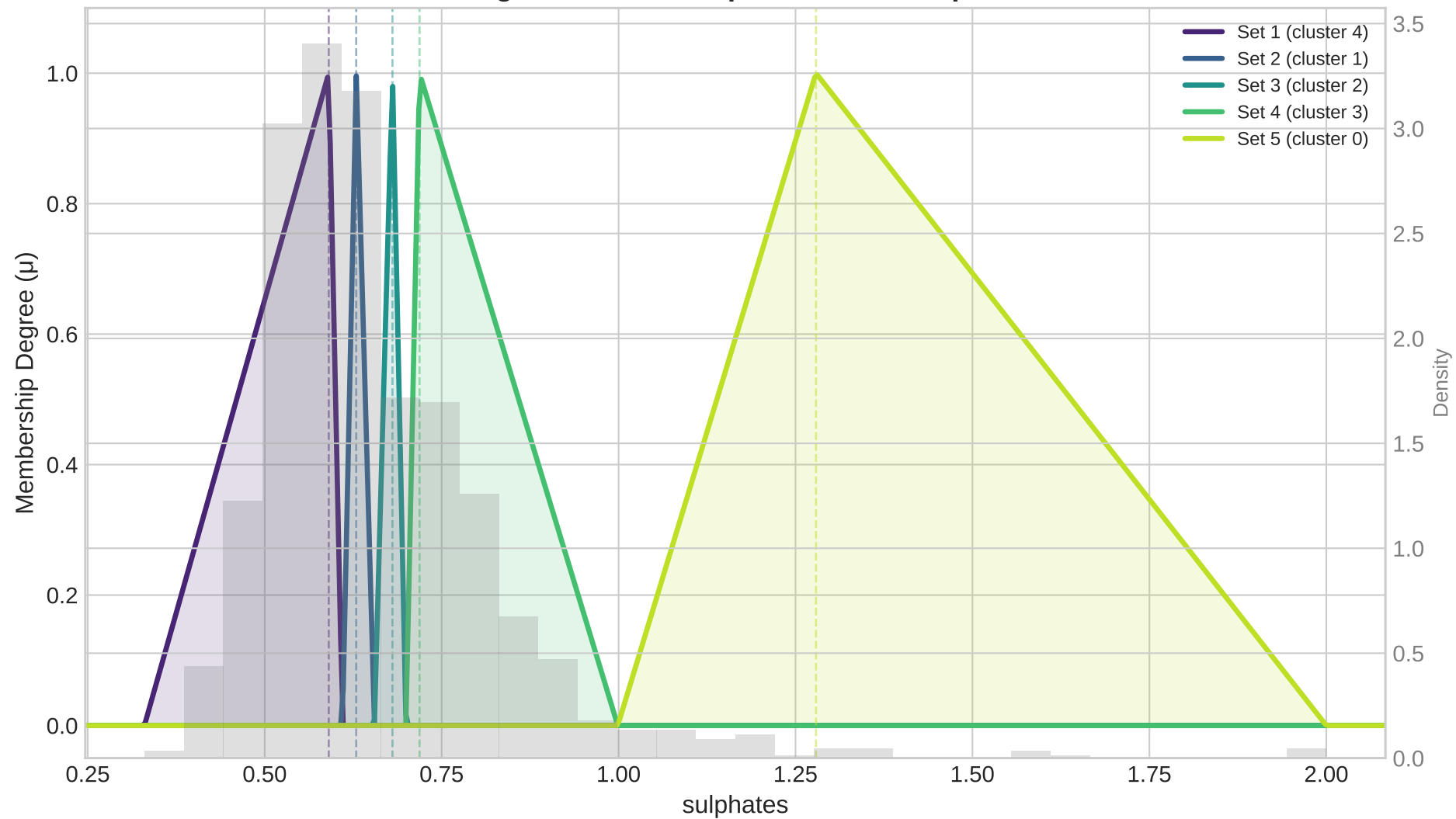
Triangular Membership Functions: density



Triangular Membership Functions: pH



Triangular Membership Functions: sulphates



Triangular Membership Functions: alcohol

