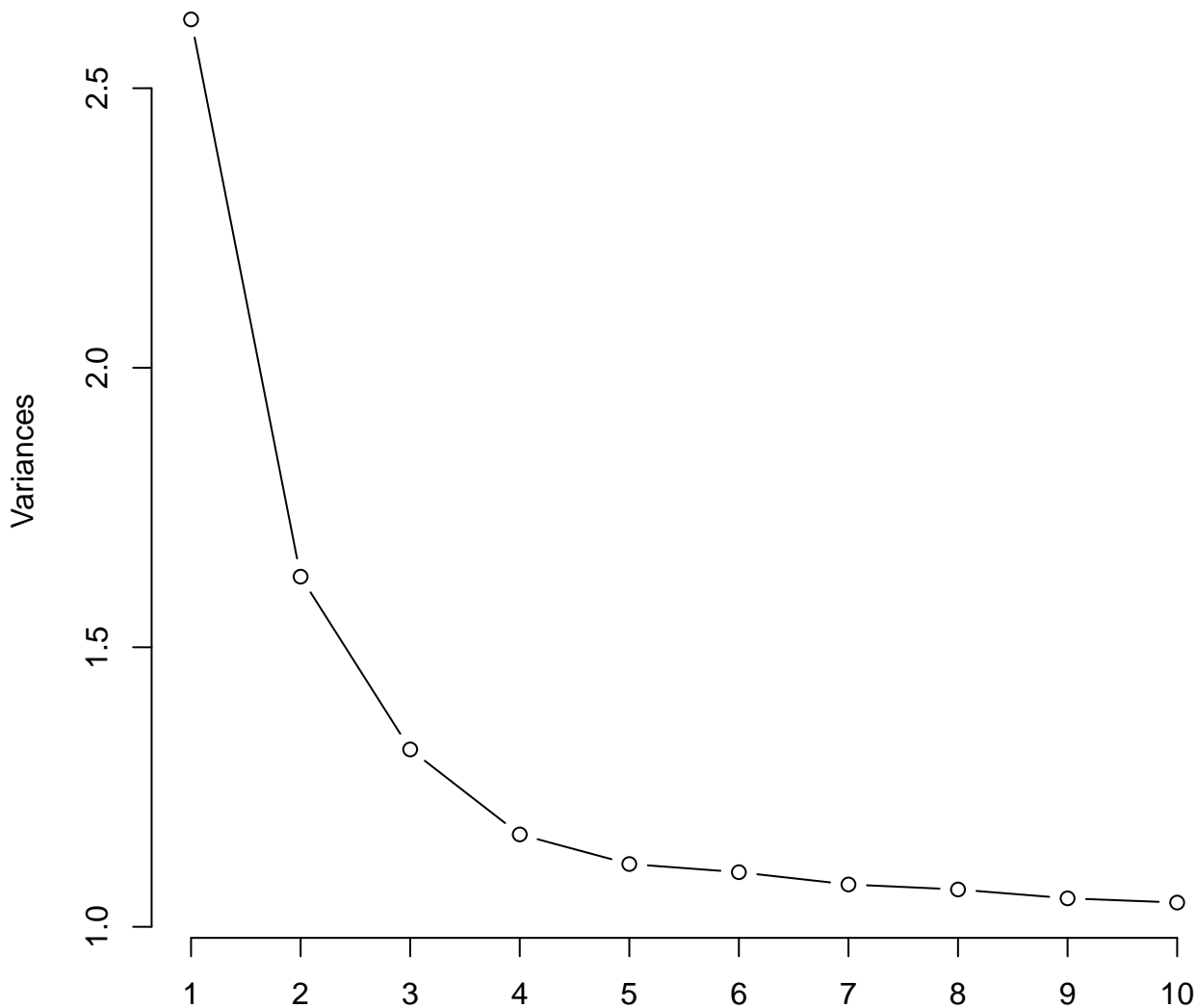
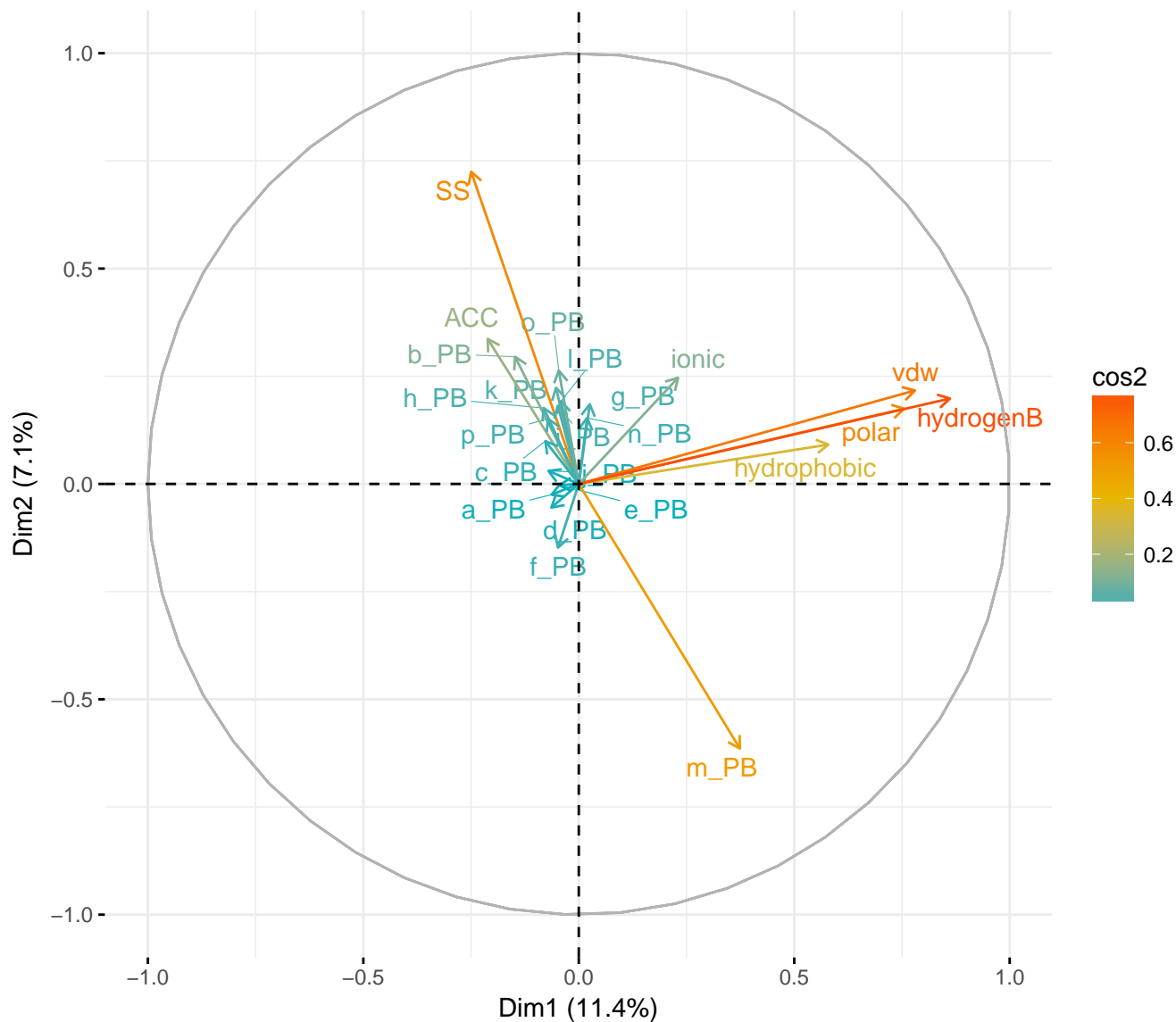


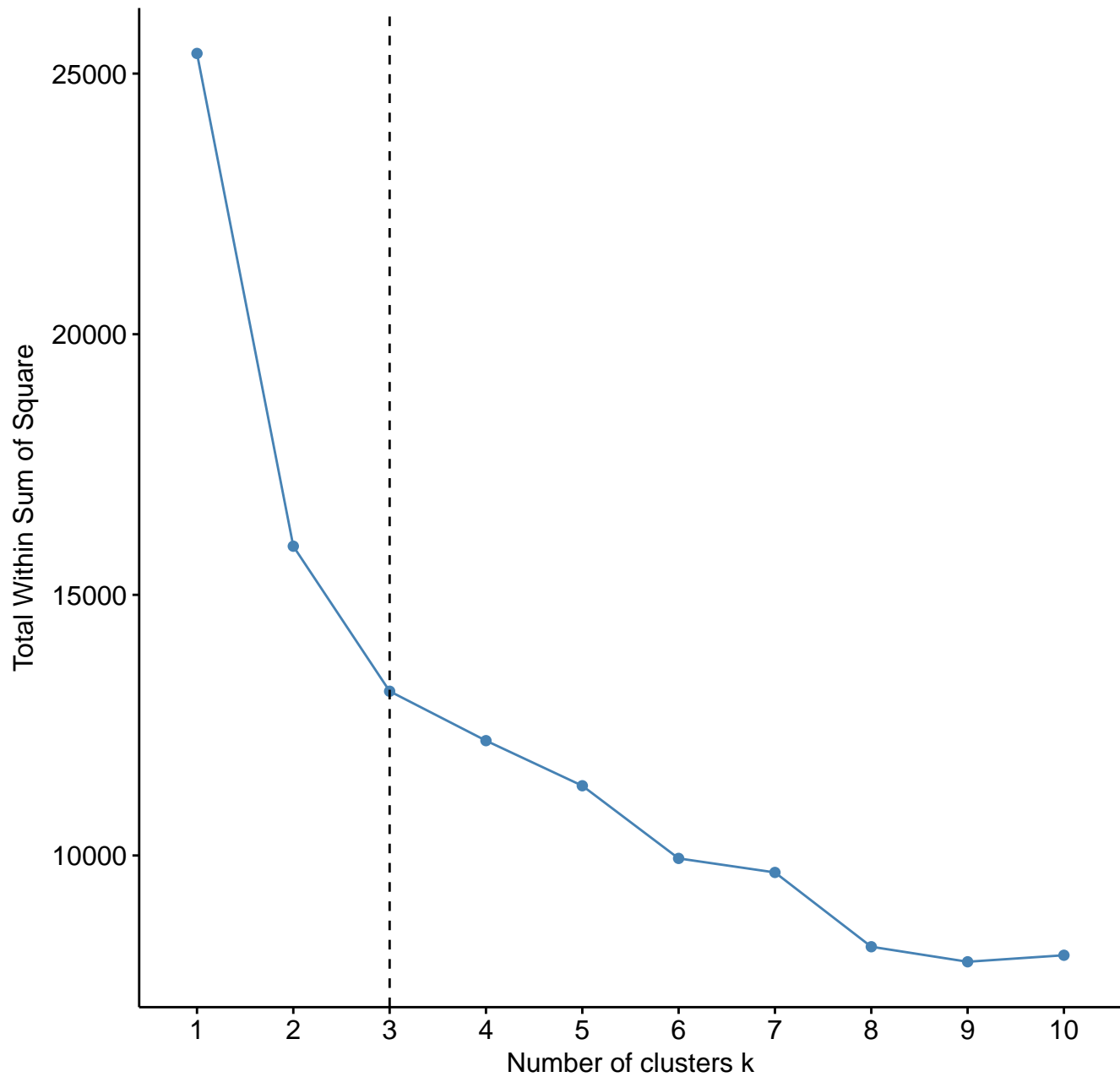
Variances en fonction des Composantes Principales



Variables – PCA



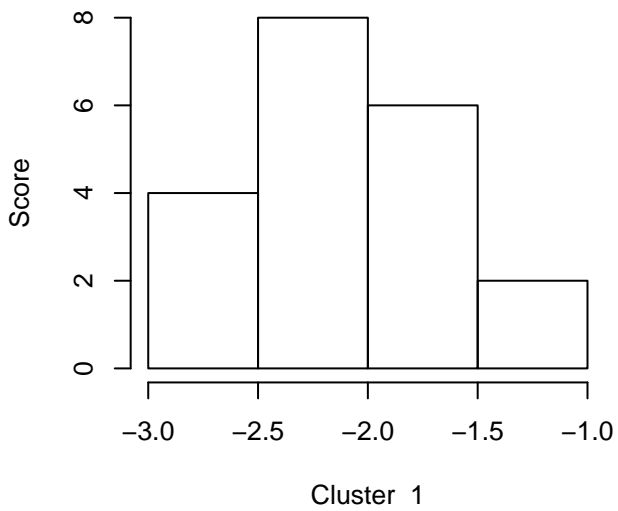
Optimal number of clusters



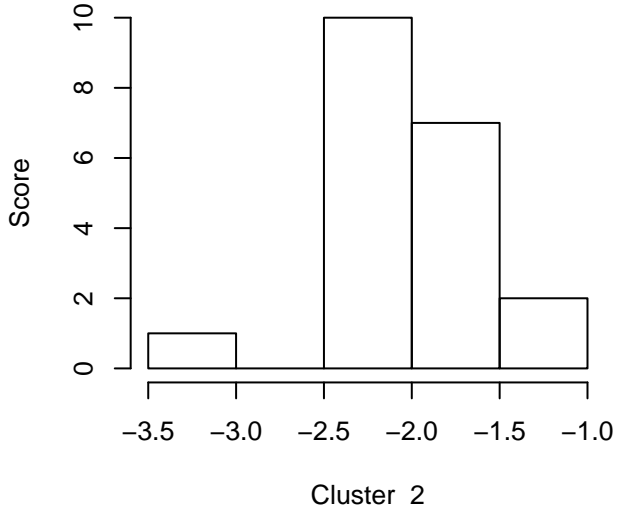
A PCA plot showing the distribution of 1000 random numbers. The x-axis is labeled 'PC1' and ranges from -0.025 to 0.025. The y-axis is unlabeled but ranges from -0.025 to 0.025. The data points are colored based on their value, ranging from 0 to 1000. The plot shows three distinct clusters of points, each enclosed by a convex hull of the same color: blue for values 0-333, green for values 334-666, and red for values 667-1000. The blue cluster is located in the upper left, the green cluster in the lower left, and the red cluster in the right. The convex hulls are semi-transparent, allowing the underlying data points to be visible. The overall shape of the combined clusters is roughly triangular, with the blue and green clusters forming the left side and the red cluster forming the right side.



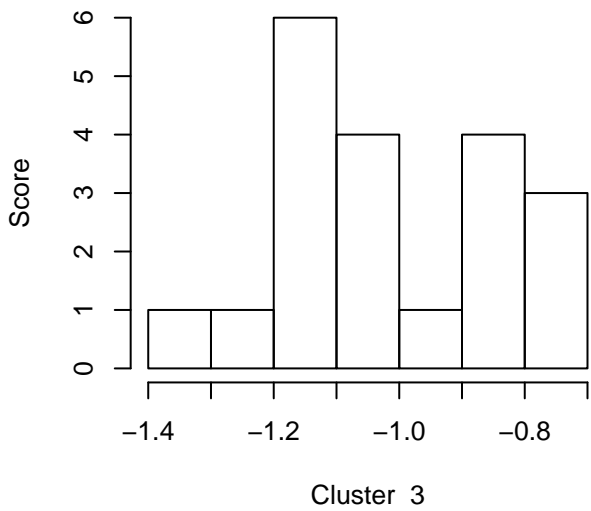
Distribution des scores (Méthodes Kmean



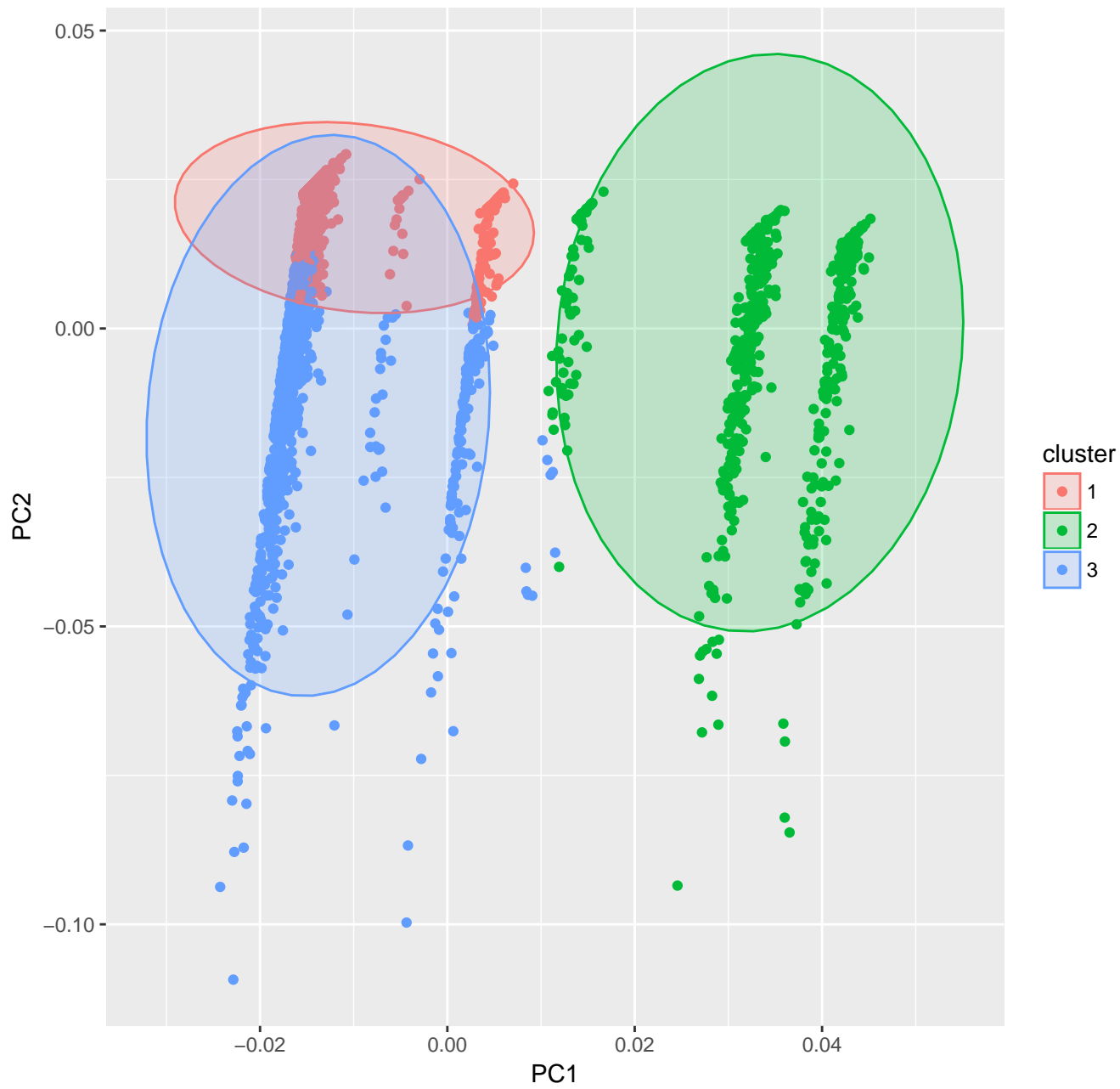
Distribution des scores (Méthodes Kmean



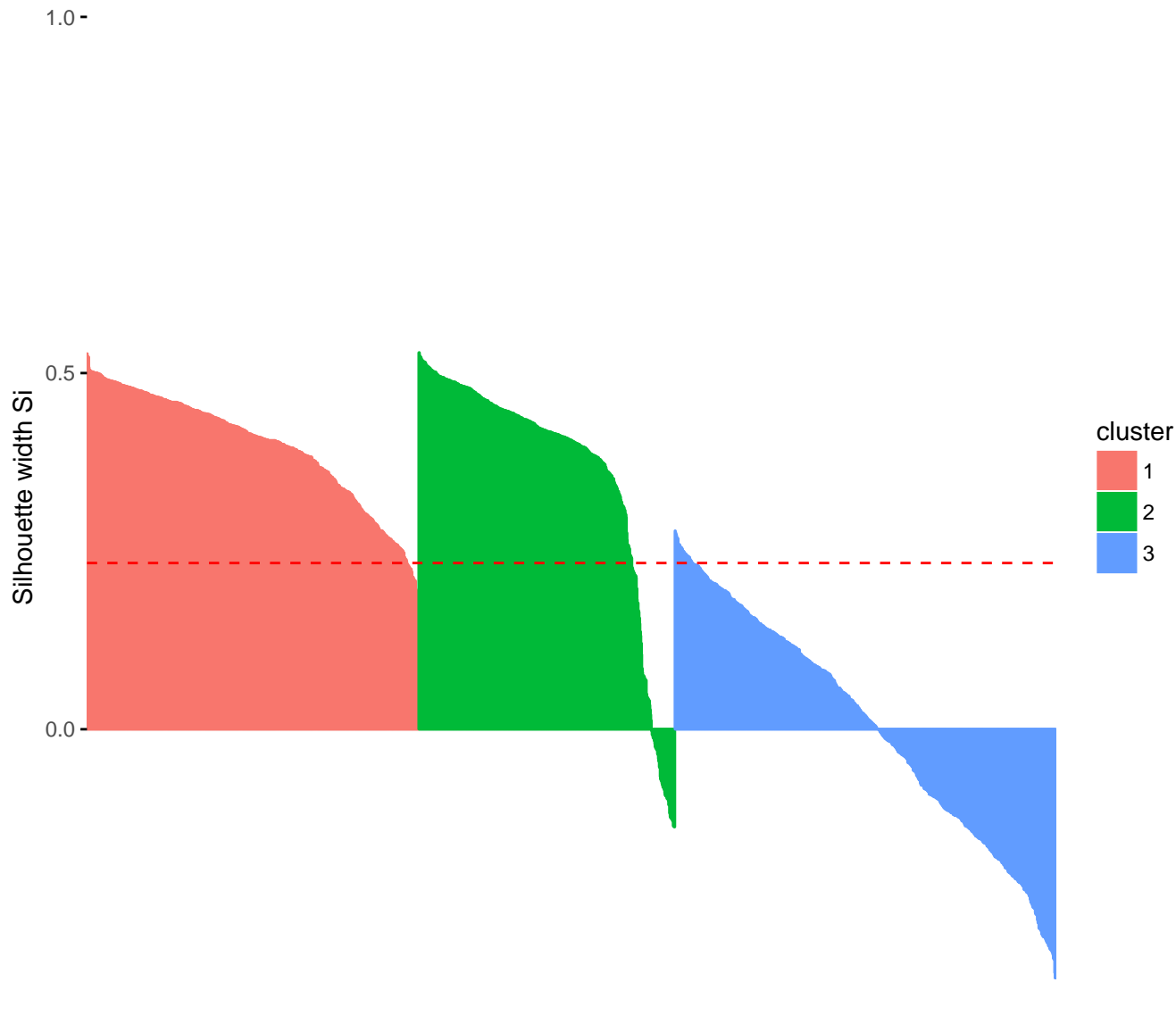
Distribution des scores (Méthodes Kmean



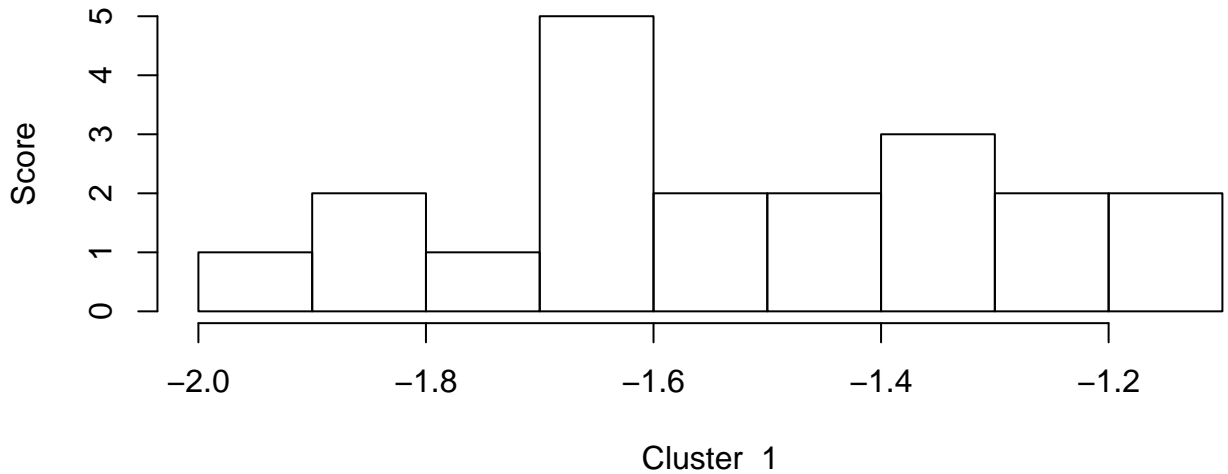
Clustering par Kmedoid(PAM)



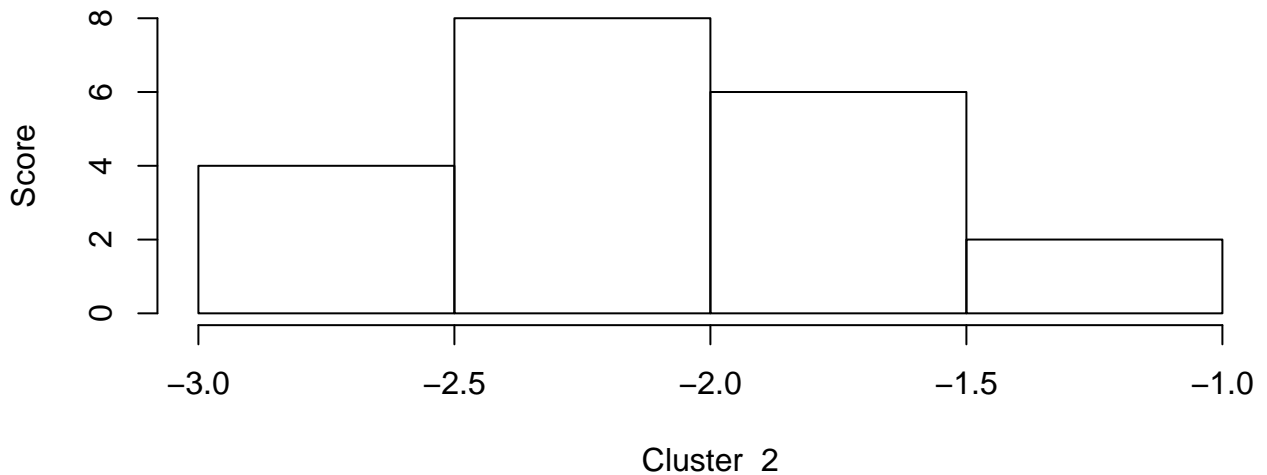
Clusters silhouette plot
Average silhouette width: 0.23



Distribution des scores (Méthode PAM)



Distribution des scores (Méthode PAM)



Distribution des scores (Méthode PAM)

