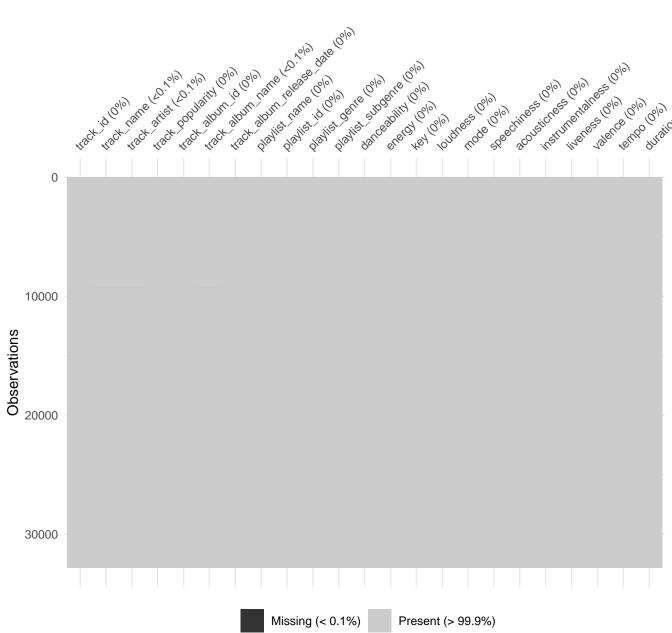
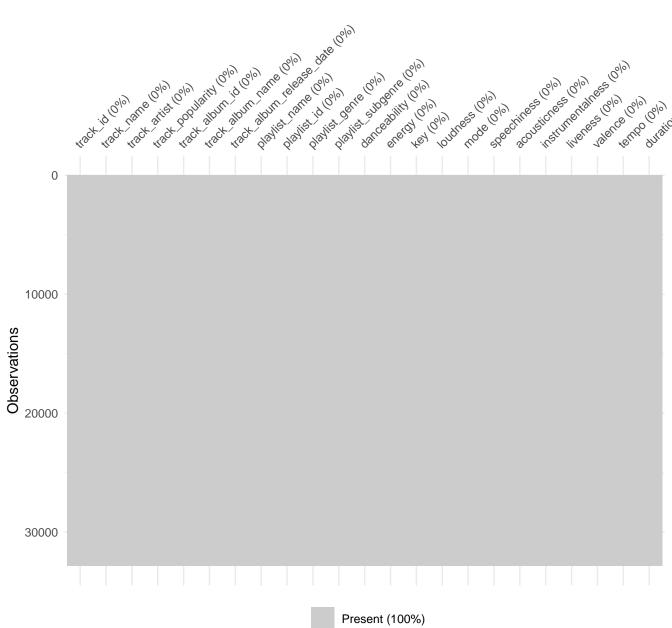
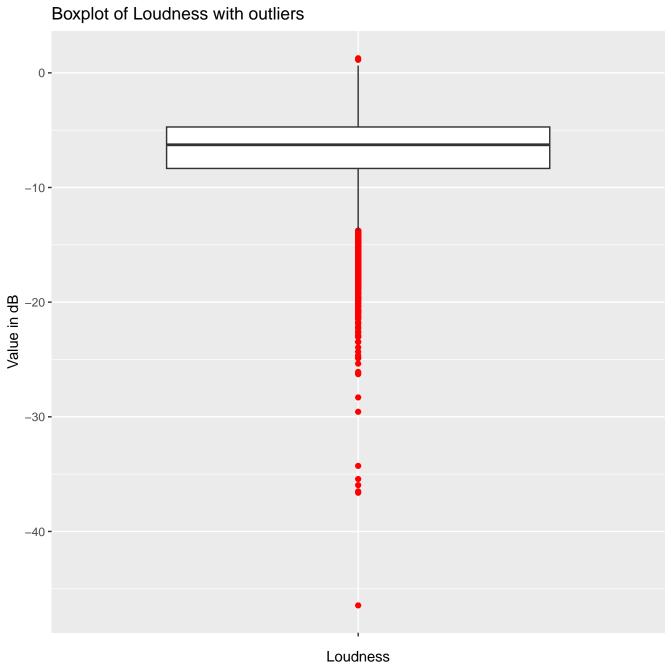
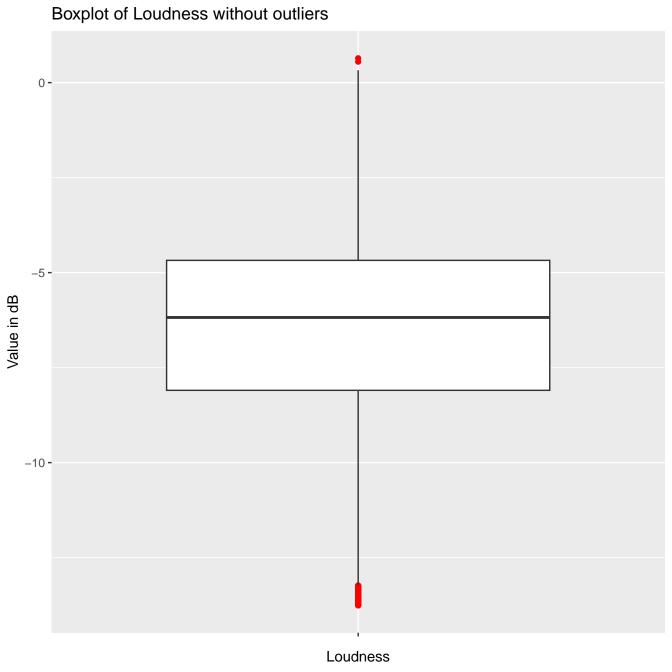
Missingness before cleaning

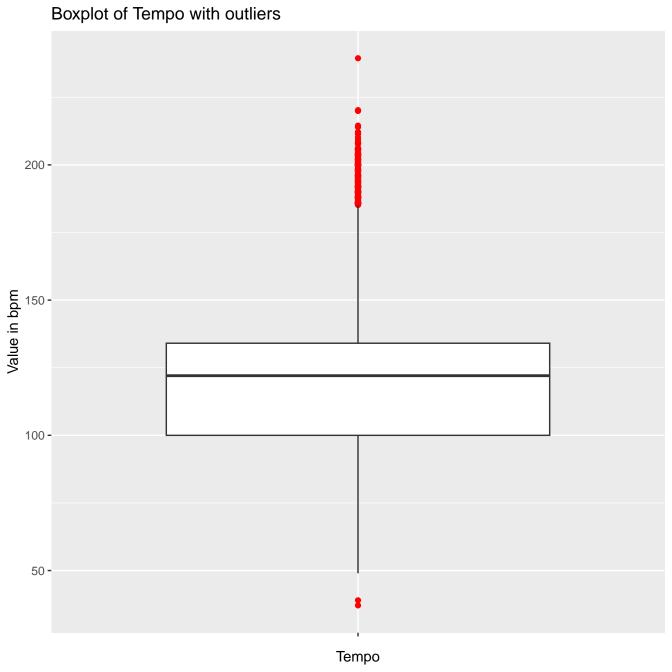


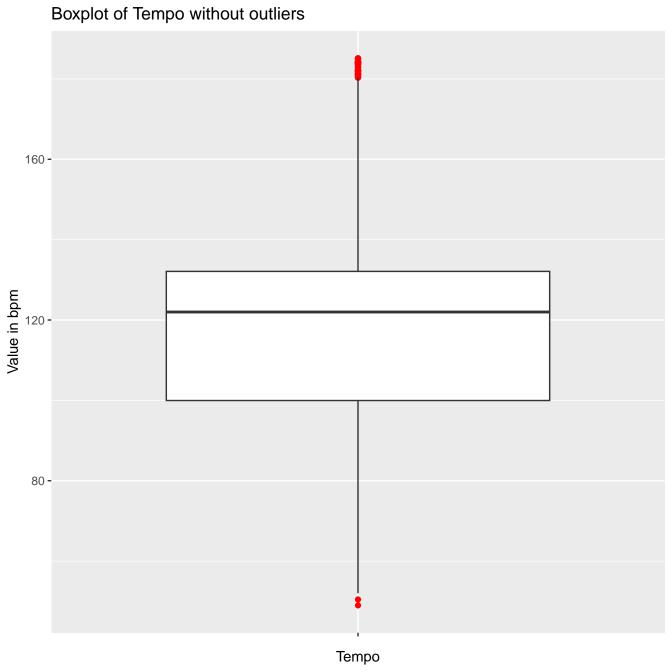
Missingness after cleaning

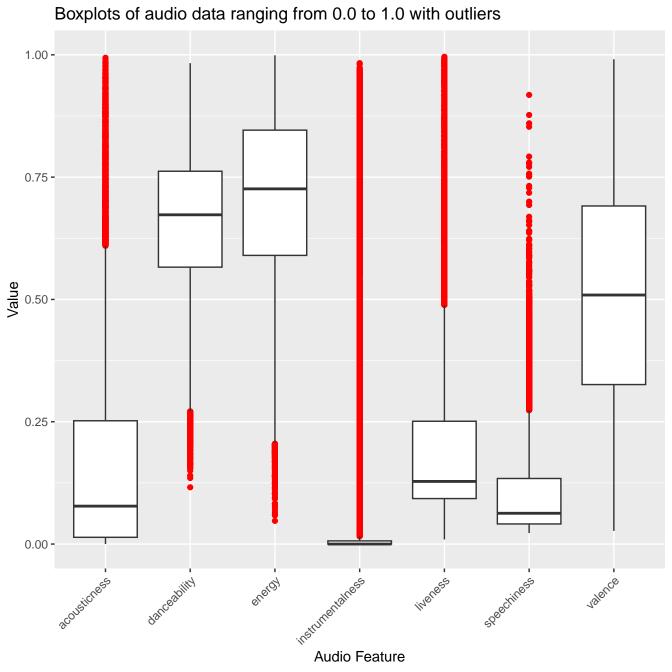




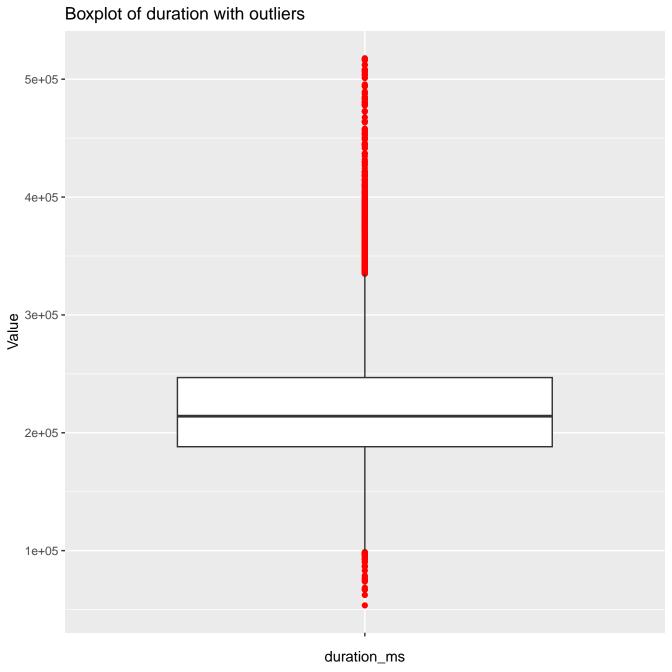


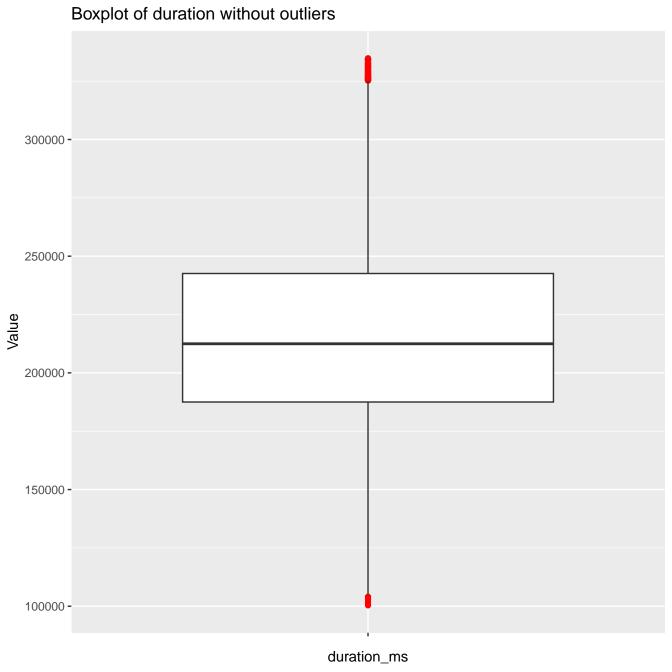




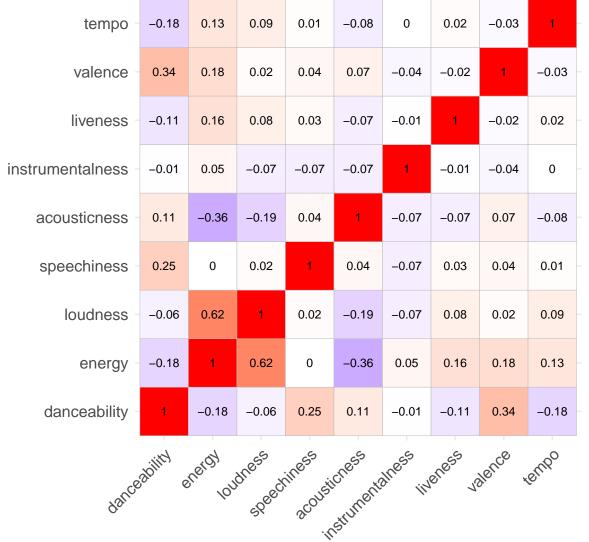


Boxplots of audio data ranging from 0.0 to 1.0 without outliers 1.00 -0.75 -Nalue / 0.50 -0.25 -0.00 -Audio Feature





## **Correlation Matrix Of Audio Features**



Corr

1.0

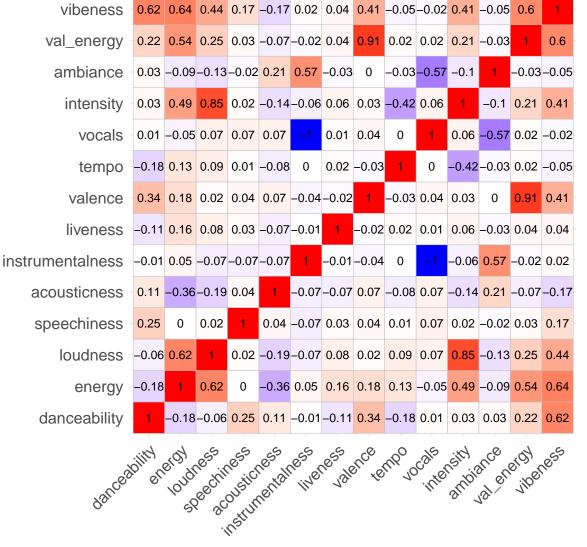
0.5

0.0

-0.5

-1.0

## Correlation Matrix Of New Audio Features



Corr 1.0 0.5 0.0 -0.5-1.0

Elbow Method for optimal K 30000 -\_ Total Within-Cluster Sum of Squares 10000 -2 8 10 Number of clusters

