Figure 1: Variations within Bach(Using Meredith's Morphetic Pitch Representation)
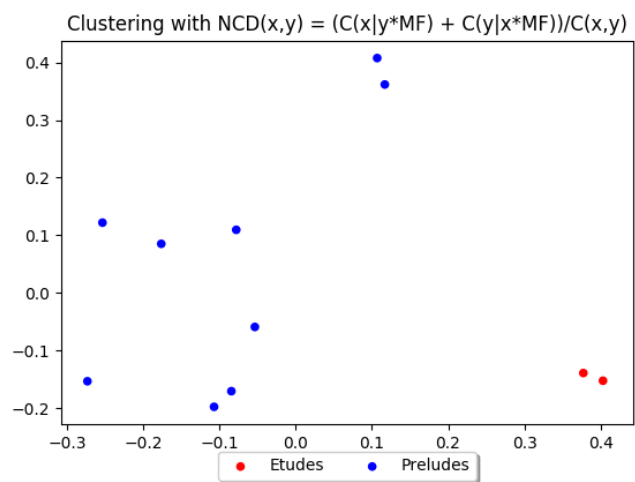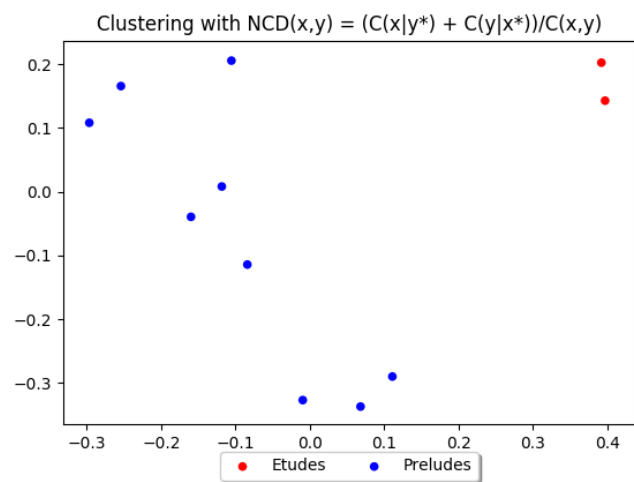

Figure 2: Variations within Chopin (Using Meredith's Morphetic Pitch Representation)
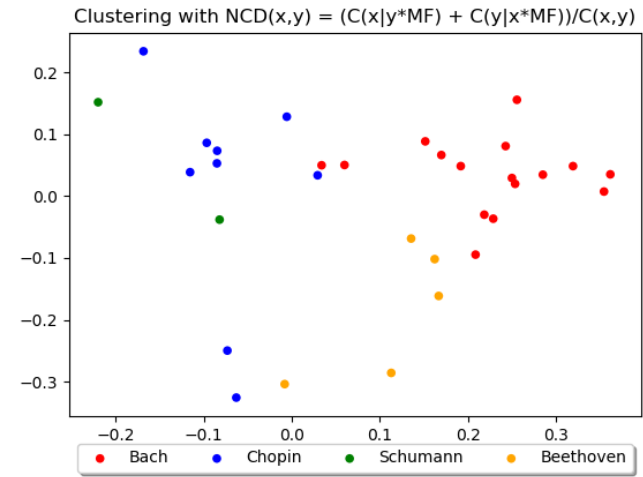
Clustering with NCD(x,y) = max {C(x|y*),C(y|x*)} / max{C(x), C(y)}

Clustering with NCD(x,y) = (C(x|y*) + C(y|x*))/C(x,y)
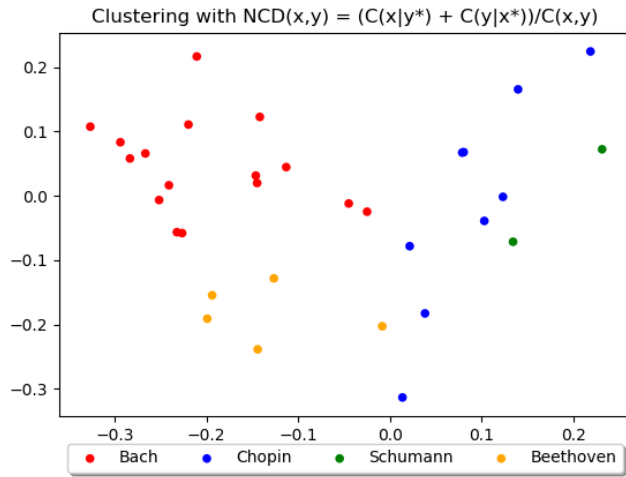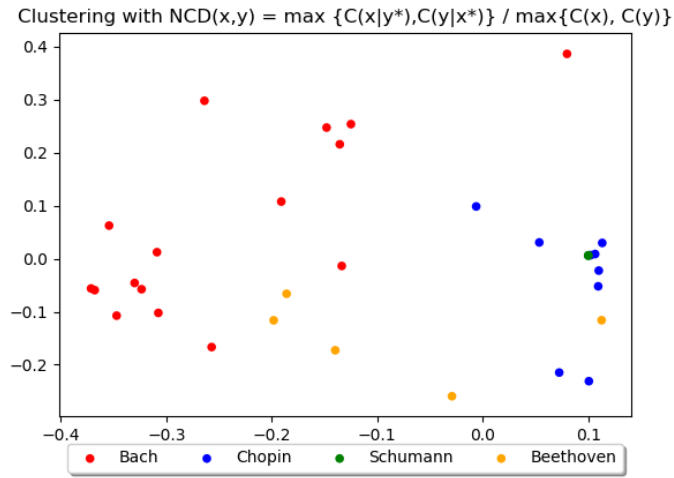
Clustering with NCD(x,y) = (C(x|y*MF) + C(y|x*MF))/C(x,y)

Figure 3: Variations within Different Composers within Classical (Using Meredith's Morphetic Pitch Representation)

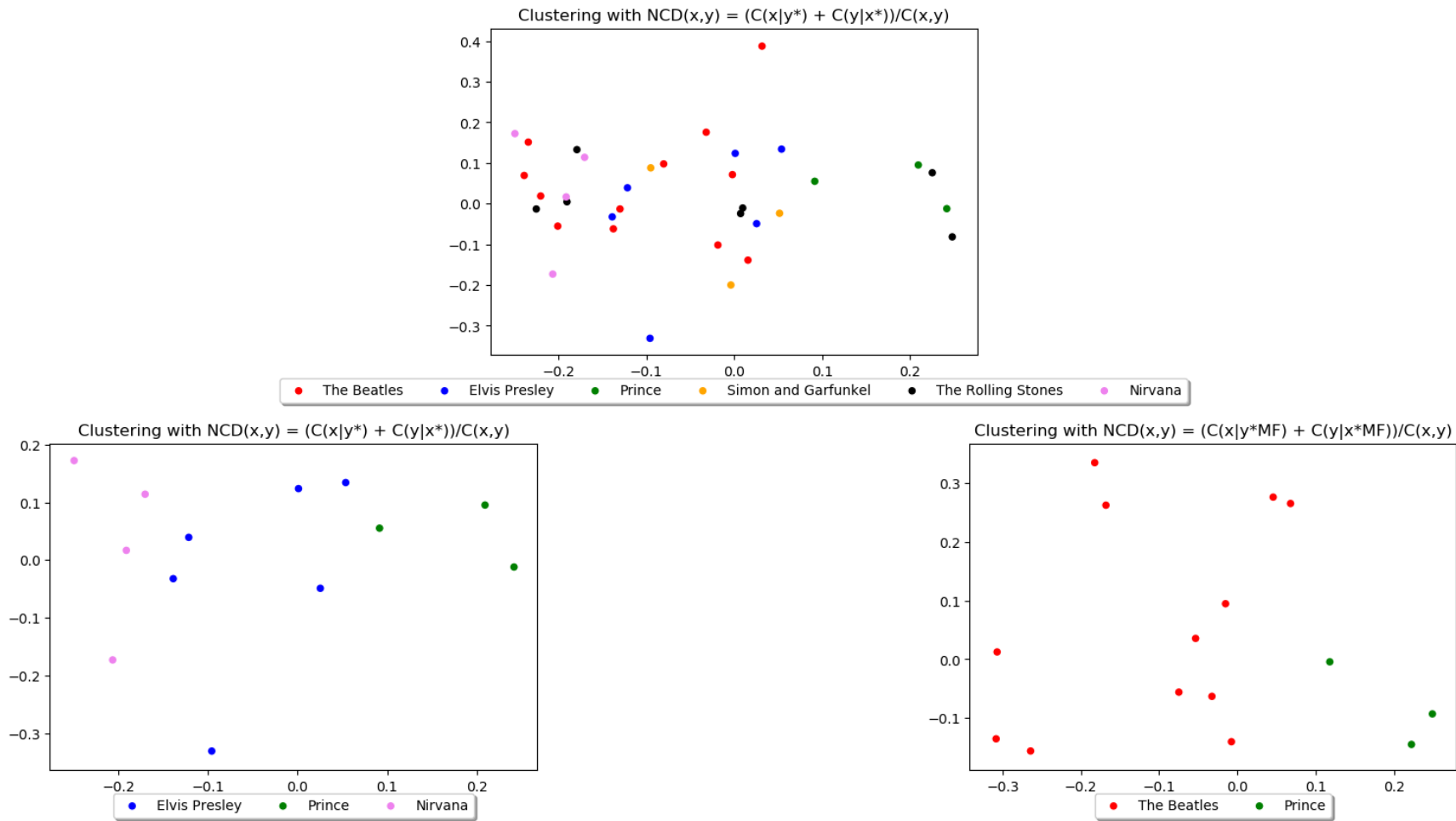Figure 4: Variations within Different Composers within Rock (Using Temperly and Clercq's Representation)

Clustering with NCD(x,y) = (C(x|y*MF) + C(y|x*MF))/C(x,y)

The Beatles · Bach · Prince · Mozart · John Coltrane · Charlie Parker

Clustering with NCD(x,y) = (C(x|y*) + C(y|x*))/C(x,y)

The Beatles · Nirvana · Bach · Chopin

Clustering with NCD(x,y) = (C(x|y*MF) + C(y|x*MF))/C(x,y)

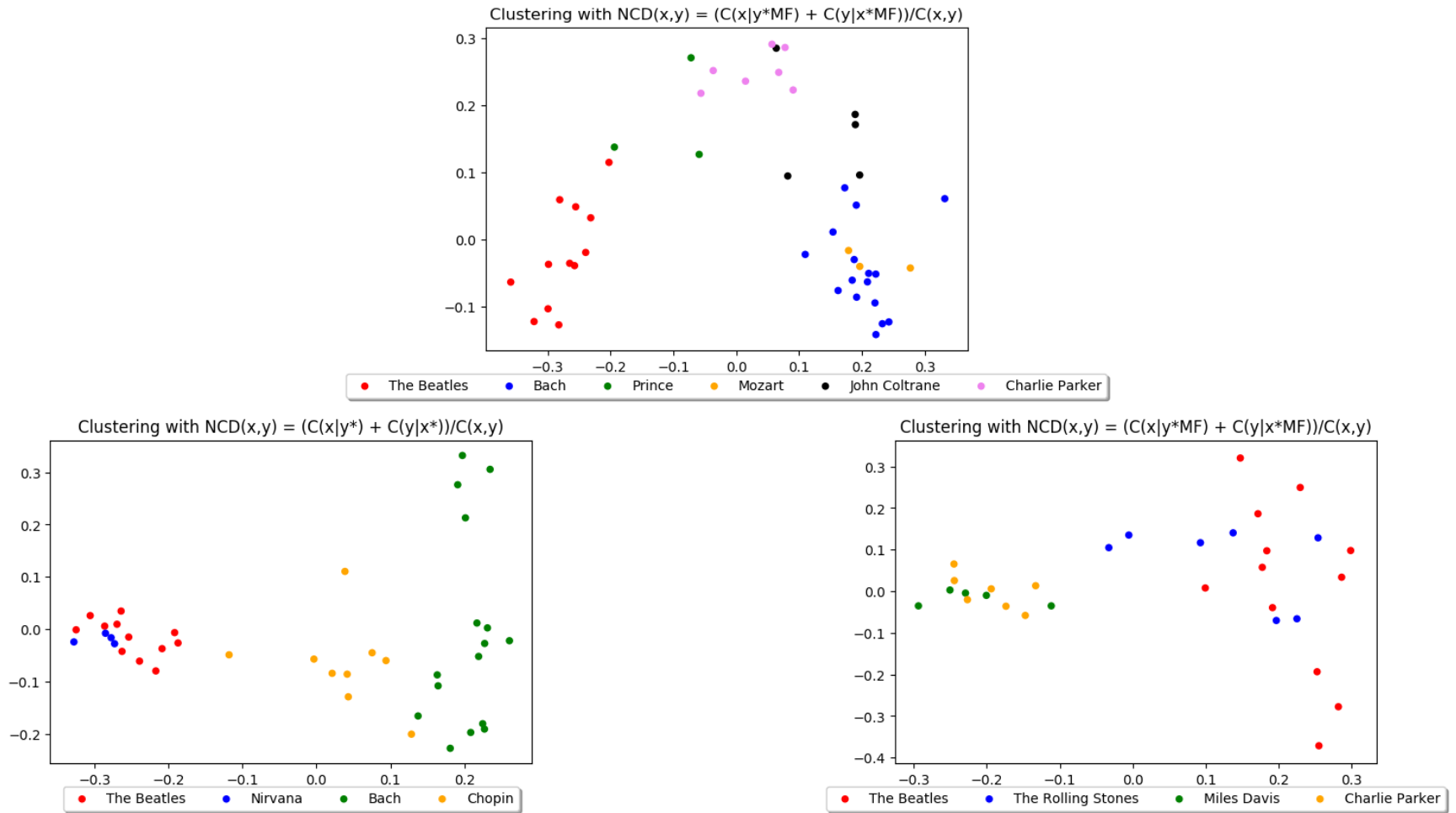The Beatles · The Rolling Stones · Miles Davis · Charlie Parker

Figure 5: Variations within Different Genres (Using Temperly's for Rock and Normal Midi Representation for others)
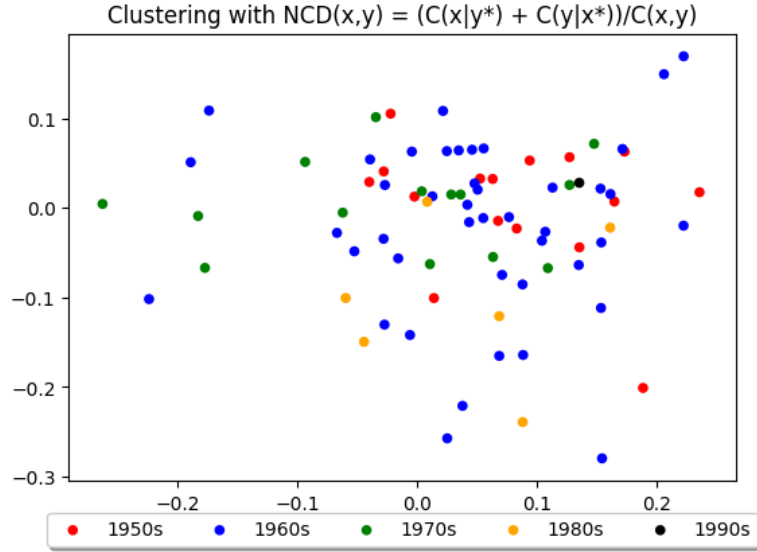
Figure 6: Year Distribution in the top 100 Songs. The 60's songs are predominant.
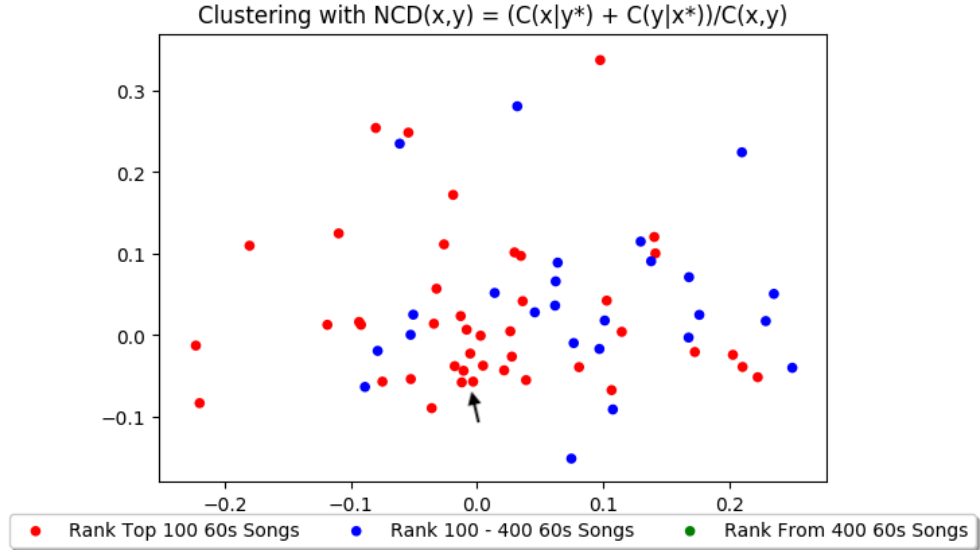

Figure 7: Distribution of Ranking within the 60's songs. There seems to be a dense area where most of the top ranking songs reside.
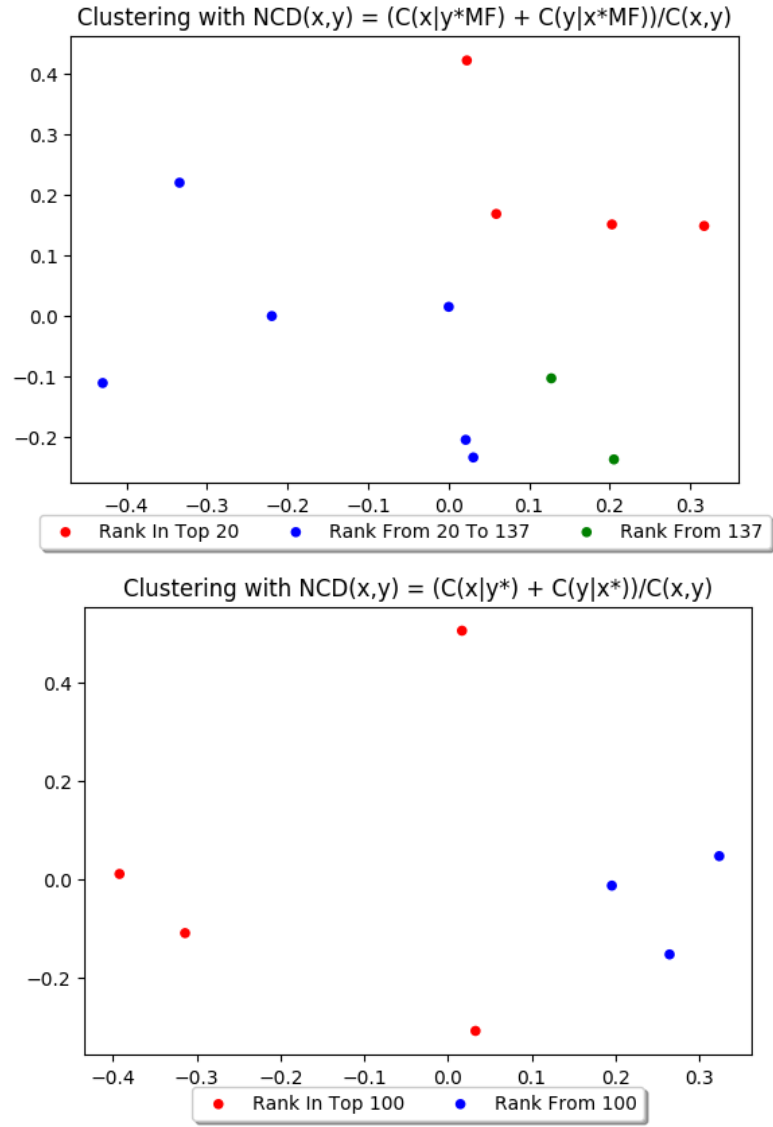
Figure 8: Songs seem to loosely cluster by ranking within composer. Case Study: The Beatles, The Rolling Stones