

## Relatório - Banco de Dados

Inicialmente a partir do algoritmo K-means fizemos a clusterização de usuários tanto com gosto musical quanto o gosto de filmes:

### Gosto Musical

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[['DI1802annabucharles'], ['DI1802marcostholken'], ['DI1802matheusoliveira'], ['DI1802steventunncliff'], ['DI1802viniciusbernert']]

[['DI1802cassiomorales'], ['DI1802damonoliniski'], ['DI1802gabrielguerrero'], ['DI1802henriqueoliveira'], ['DI1802joaoborges'], ['DI1802joaosilva'], ['DI1802lucasnolasco'], ['DI1802lucasribeiro'], ['DI1802renatafarago'], ['DI1802victormenuzzo'], ['DI1802vivianebonfim']]

[['DI1802evertonoliveira'], ['DI1802juliopenha'], ['DI1802leonardoreis'], ['DI1802raphaelfelix']]

[['DI1802ericwada'], ['DI1802heronfernandez'], ['DI1802matheuscosta'], ['DI1802pedrospendore'], ['DI1802tasipasin'], ['DI1802tiagoplakikitca']]

[['DI1802alexandrematias'], ['DI1802danielvieira'], ['DI1802nicolebotine'], ['DI1802nortonjunior'], ['DI1802paularodrigues']]

[['DI1802giulianasilva'], ['DI1802joaojorge'], ['DI1802lincolnbatista'], ['DI1802lucastakahashi'], ['DI1802mateusgomes'], ['DI1802wagneragostinho']]
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### Gosto de Filmes:

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[['DI1802annabucharles'], ['DI1802gabrielguerrero'], ['DI1802heronfernandez'], ['DI1802joaojorge'], ['DI1802matheuscosta'], ['DI1802matheusoliveira'], ['DI1802nicolebotine'], ['DI1802nortonjunior'], ['DI1802renatafarago'], ['DI1802tiagoplakikitca'], ['DI1802wagneragostinho']]

[['DI1802alexandrematias'], ['DI1802cassiomorales'], ['DI1802evertonoliveira'], ['DI1802lincolnbatista'], ['DI1802tasipasin'], ['DI1802vickiearanha'], ['DI1802victormenuzzo']]

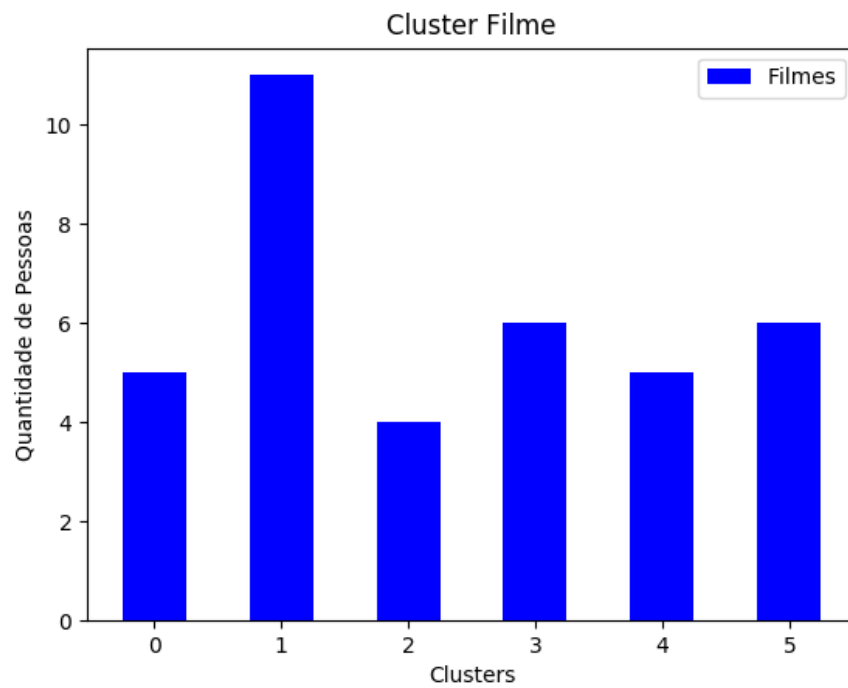
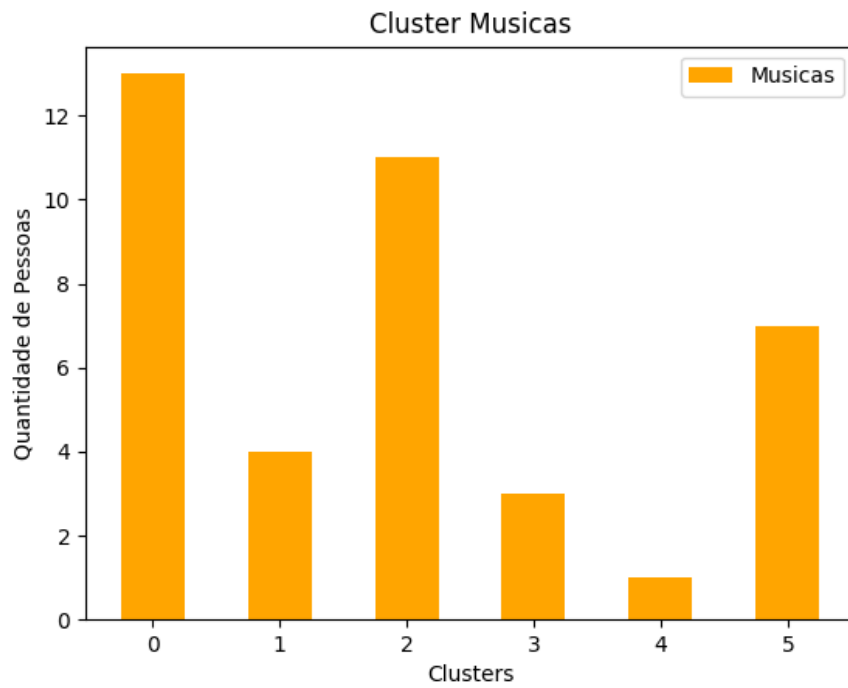
[['DI1802lucasribeiro']]

[['DI1802danielvieira'], ['DI1802juliopenha'], ['DI1802lucastakahashi']]

[['DI1802damonoliniski'], ['DI1802ericwada'], ['DI1802giulianasilva'], ['DI1802joaoborges'], ['DI1802lucasnolasco'], ['DI1802marcostholken'], ['DI1802mateusgomes'], ['DI1802paularodrigues'], ['DI1802raphaelfelix'], ['DI1802steventunncliff'], ['DI1802viniciusbernert'], ['DI1802vivianebonfim'], ['matheusgoncalves']]

[['DI1802francoisrueckert'], ['DI1802leonardoreis'], ['DI1802lucasrech'], ['DI1802pedrospendore']]
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A partir disso, fizemos a análise de gráficos para ver se o gosto musical e o gosto de filmes tinham alguma relação, comparando os clusters que contém a maior similaridade



Nesse último gráfico, apresentamos nosso resultado, onde comparamos cada cluster e cada quantidade de pessoas similares:

