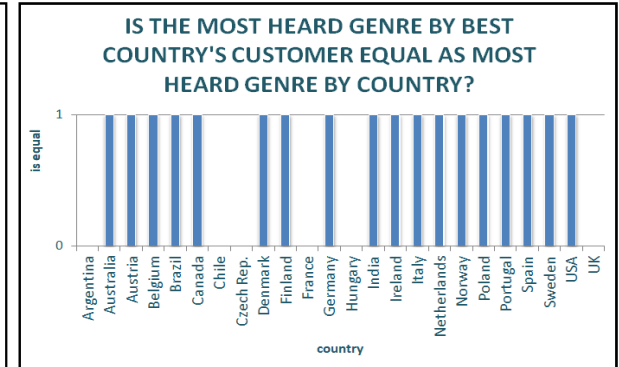
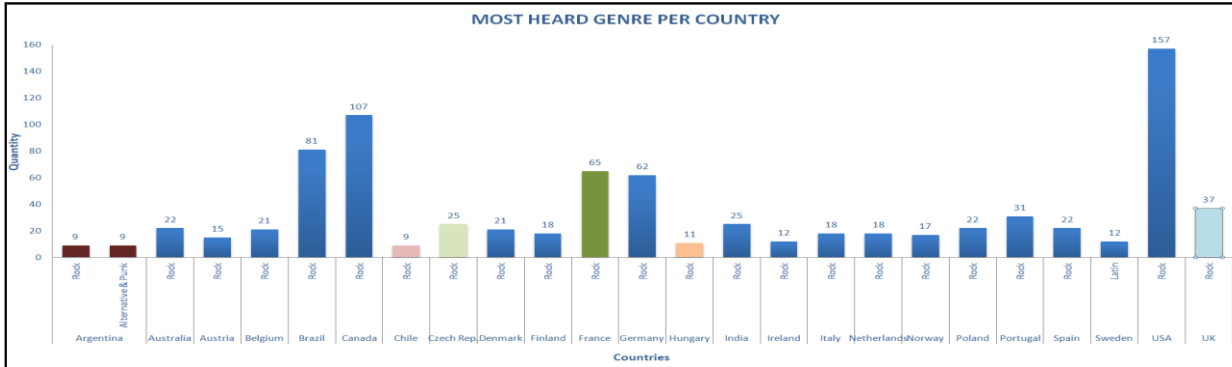


Project 3

Query a digital Music
Store Database

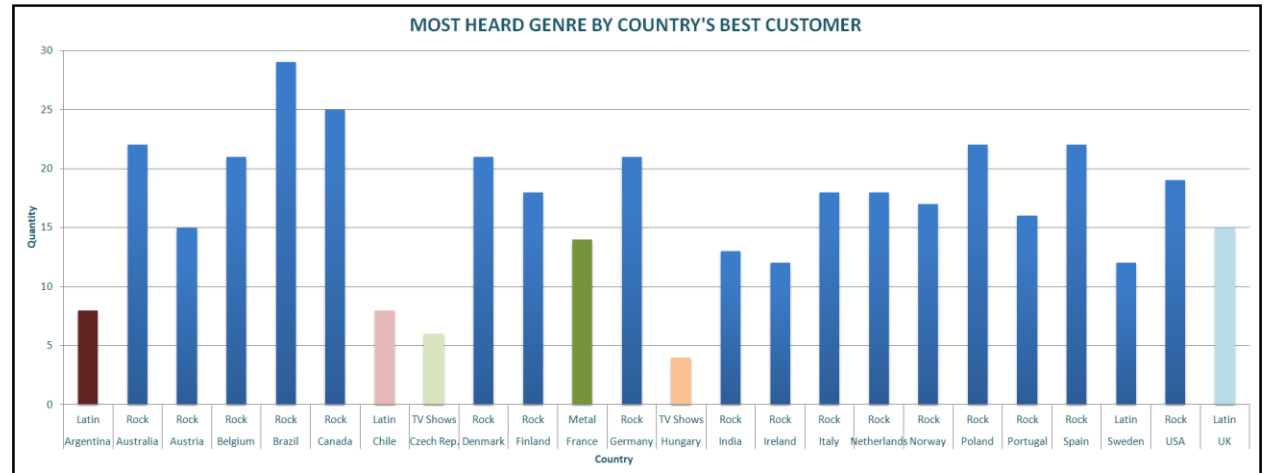
M. Isabel Gonzalez Rosas

Is the most heard genre in a country the same as the genre on which the best customer on that country more spends?

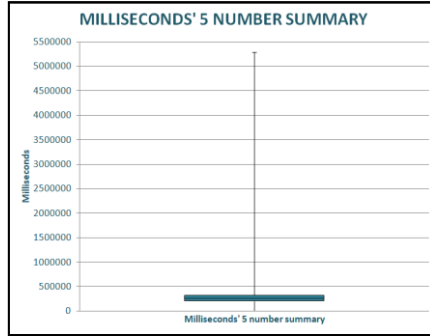


It can be seen from these plots that it is not always the case that the most heard genre on a country matches the genre on which that country's best customer most spends.

This can be seen con countries such as Argentina, Chile Czech Republic, France, Hungary and UK.



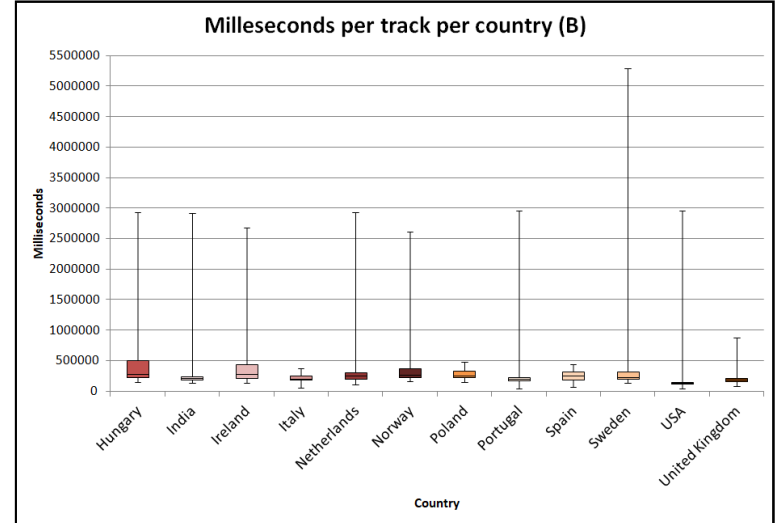
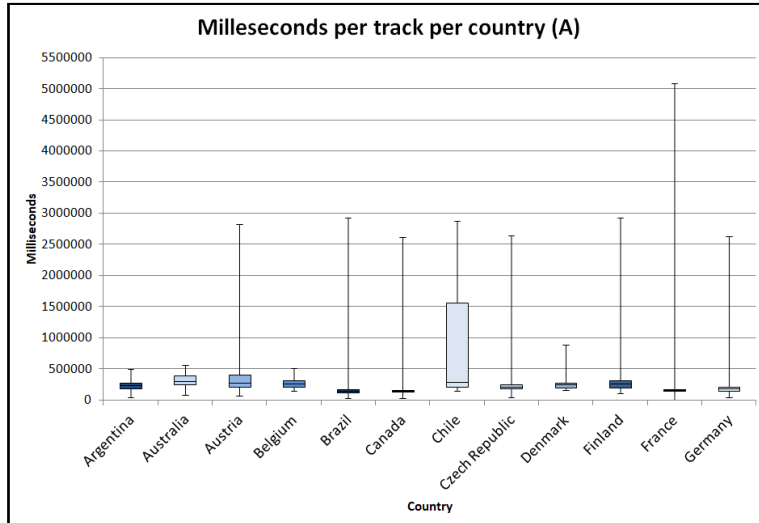
Is there a difference in track length according to country?



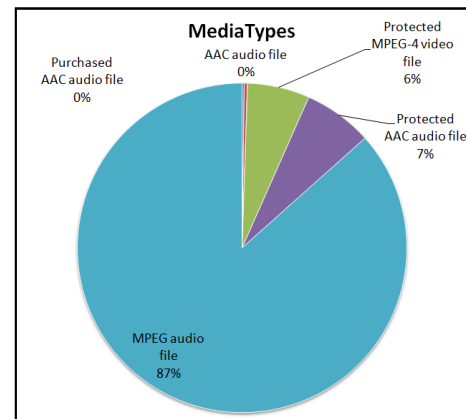
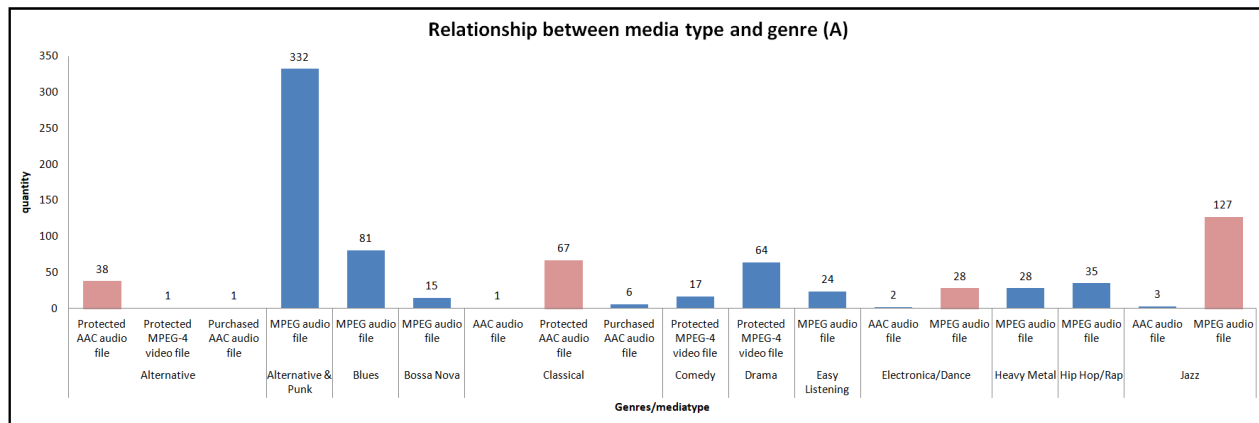
Min	1071
Q1	207281
Median	255634
Q3	321645
Max	5286953

Though it can be seen that some countries such as France or Sweden have some tracks with length of near 5,500,000 milliseconds, it can be appreciated, both from the box plots per country and the general box plot that these are some outliers and maximum lengths is usually around 300,000 milliseconds and median is generally near 250,000 milliseconds.

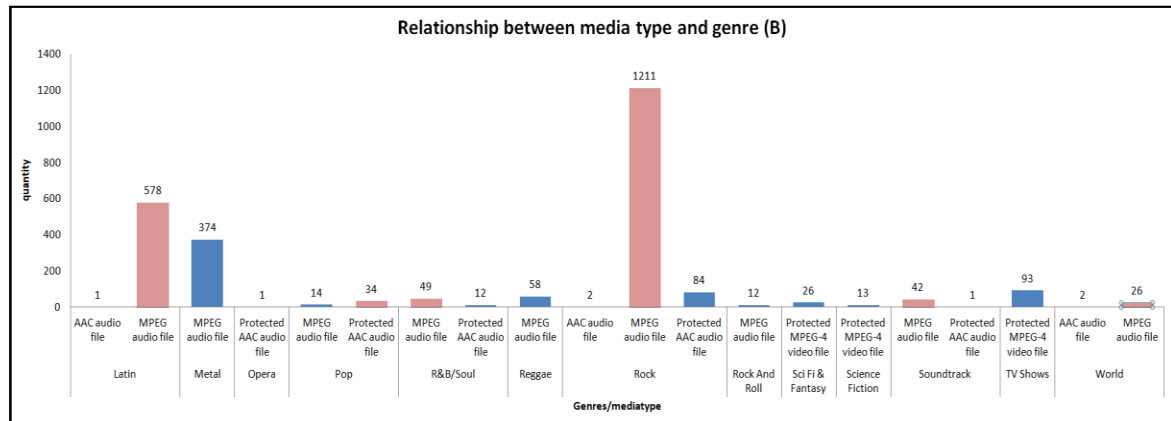
There is not much difference regarding median and maximum milliseconds per track according to country (with the exceptions of France, Sweden with high maximums and Chile with high third quartile).



Is there a relationship between Genre and Media Type?

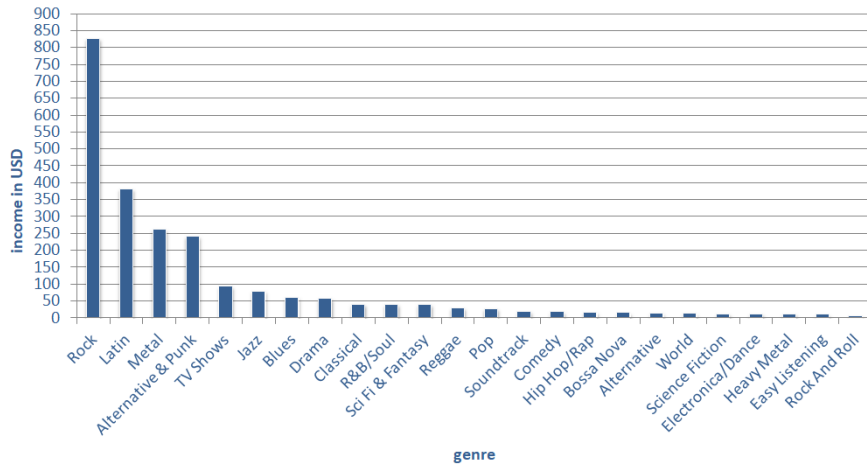


The plots show that on genres that use more than one media type for distributing music there is always a preferred one. Such as Protected AAC audio file for Alternative, Classical and Pop, or MPEG audio file for Electronica/Dance, Jazz, Latin, R&B Soul, Rock Soundtrack and World. It can also be seen that there is a great difference in quantity of MPEG audio files compared to the other media types setting this as the preferred method for most genres.



Is there a tendency among artists regarding their income and the genre they are composing?

Total income per genre

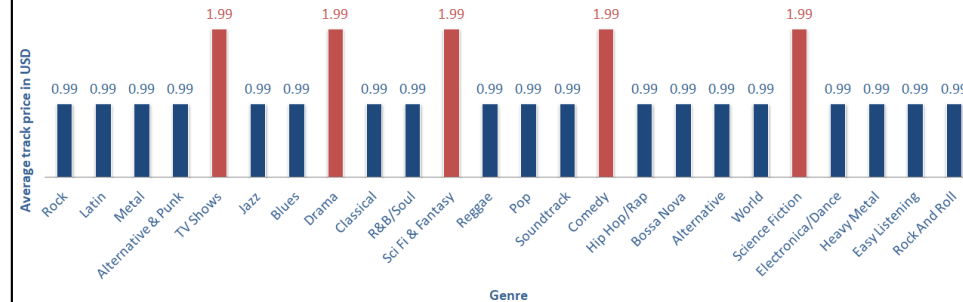


This means that artists composing on different genres will have different incomes depending on the genre they choose.

From the plots it can be seen that most genres have an average track price set in USD 0.99. This is not the case for TV Shows, Drama, Sci Fi & Fantasy, Comedy and Science Fiction genres which have an average track price of USD 1.99.

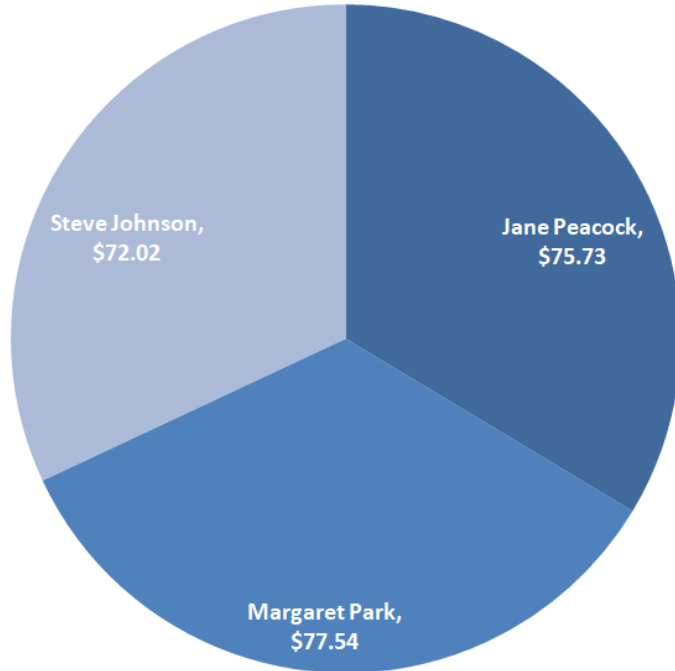
Nevertheless it seems that it is not the price which impacts the income per genre but the popularity of it since the 4 first genres on income have a track price of USD 0.99 and make 73.5% of all the income.

Average price per track per Genre



What's the average income per employee per day?

Average Income perEmployee per Day



The three employees have a similar income per day. The lowest being Steve Johnson's with \$72.02 and the highest being Margaret Park's \$77.54.

Average of their three averages is **\$75.10**.

EmployeeName	HireDate	LastInvoiceDate	WorkedDays	TotalSold	AverageIncomePerDay
Jane Peacock	1/4/2002 0:00	22/12/2013 0:00	11	833.04	\$75.73
Margaret Park	3/5/2003 0:00	9/12/2013 0:00	10	775.4	\$77.54
Steve Johnson	17/10/2003 0:00	5/12/2013 0:00	10	720.16	\$72.02