Learner Worksheet – Top 50 Songs

## Exploring the dataset

Look at the table of songs.

What kind of information do you see in the data?

Can you think of any questions that you might ask about the songs Write down:

* 3 different genres of music in your dataset
	1.
	2.
* 2 songs with the same popularity score
	1.
* The song that will come first and last alphabetically
	+ First alphabetically:
	+ Last alphabetically:

## Organising & Analysing the dataset

Use your dataset to complete the following tasks.

1. What is the most popular song?
2. What is the least popular song?
3. Group the songs by genre
	1. How many songs are there in the pop category?
	2. What categories only have 1 song in them?
4. Which song is best to dance to?
5. Which artist sings the song with the most beats per minute?
6. Identify 3 artists with more than one song in the dataset.
	1.

## Visualise your dataset

Use your spreadsheet to visualise your dataset.

1. Create a new tab
2. Rename your tab “Summary Data”
3. Create a new table with 4 columns, Genre, number of songs, Total Popularity Score and average score
4. Fill in your table
	1. Put each genre in the first column
	2. Find out how many songs are in each genre and enter it in column 2
	3. Add up total popularity score for each genre and enter it in column 3
	4. Calculate the average score by dividing the total popularity score by the number of songs and enter it in column 4
5. Create a bar chart of genre and average score in your spreadsheet software
6. From your chart, which is the most popular genre?
7. Think about the results. Do you agree with them or do you think another genre is more popular? Write down what you think.

1. Pick any two types of information and create a new table or chart
2. Write down something interesting you have discovered in your data

**If you require this document in an alternative format, such as large print or a coloured background, please contact Claire Sowton,** **data.schools@ed.ac.uk** **or Moray House School of Education and Sport, St John’s Land, Holyrood Road, Edinburgh, EH8 8AQ**

