

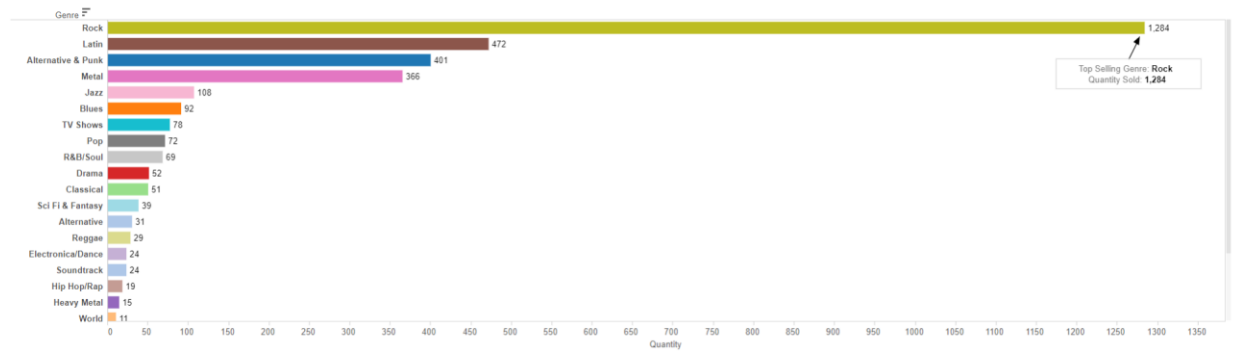
What I did are as follows:

- Work with the data sets: athlete_events_part.csv and noc_regions.csv.
- Do data preparation, make sure variables are in the appropriate category and correct type. e.g. “Height” should be a number type, and in the Measure category; the Data type of “Team” should be changed to “Geographic Role – Country/Region”.
- Create five worksheets a dashboard and a story. Write a couple of sentences in the story.
- Ask a question, and analysis it with Tableau. (Hint: How the Olympics have evolved over time, including questions about the participation and performance of women, different nations, and different sports and events.)
- Apply the methods mentioned in class, includes
 - Connecting To Data
 - Joins And Data Preparation
 - Connecting Live Versus Extracting
 - Dimensions And Measures
 - Building Views
 - Quick Table Calculations
 - Crosstab And Exporting Data
 - Show Me
 - Custom Territories
 - Filters
 - Bar Chart
 - Hierarchies
 - Sorting
 - Grouping
 - Working With Marks
 - Trend Lines
 - Dashboards
 - Story Points
- Write a short paragraph to illustrate the question you ask, your analysis and your finding.

You can refer to this example online:

https://public.tableau.com/views/TableauHomeworkAssignment2-VisualizingMusicStoreSales_4/Introduction?%3Aembed=y&%3AshowVizHome=no&%3Adisplay_count=y&%3Adisplay_static_image=y

Most Popular Genre in Europe & Asia

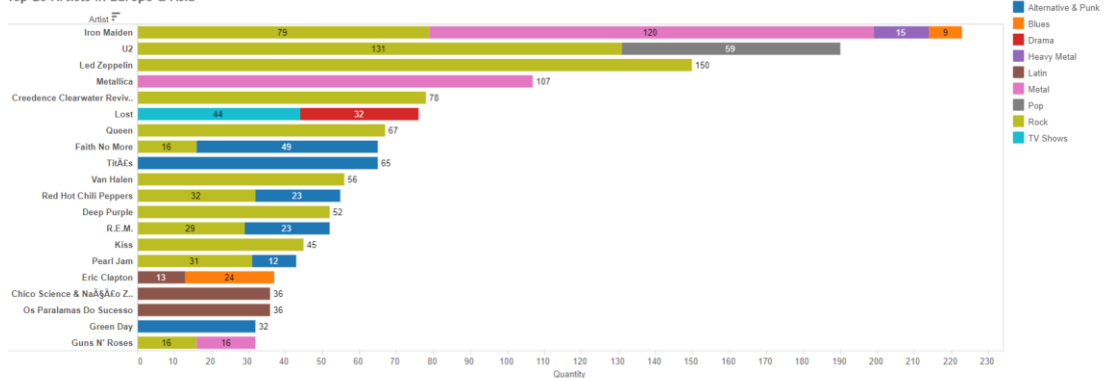


Which genre sells the most?

To help determine next year's budget, you are asked to create a visualization to determine which genre sells the most to our customers in Europe and Asia.

1. Drag the **Genre** dimension to Rows.
2. Drag the **Quantity** measure to Columns. Notice this will automatically aggregate quantity using SUM.
3. Drag the **Genre** dimension to Color. Remember that you have to use color with caution, but in our case, we will use this color to relate to another worksheet we'll build in the next exercises.

Top 20 Artists in Europe & Asia

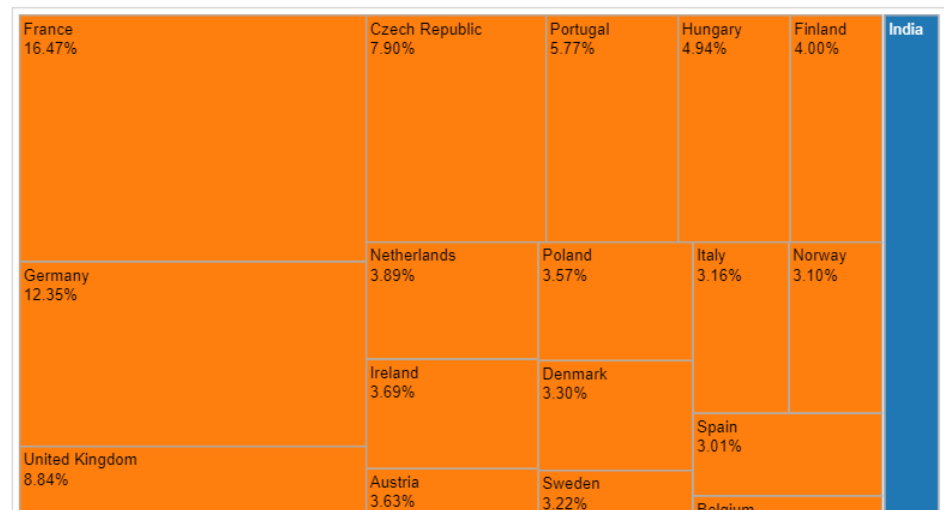


Which artists sell the most?

Now that you know the most popular genres in Europe and Asia, you are asked to determine which artists sell the most. You are also asked to show if the artists produced tracks only on one genre, or if they have music across multiple genres.

1. Drag the **Artist** dimension to Rows.
2. Drag the **Quantity** measure to Columns. Notice this will automatically aggregate quantity using SUM.
3. Drag the **Genre** dimension to the Color shelf. Notice this places a **Genre** pill in the Marks shelf with a color icon right beside it.
4. Drag the **Quantity** measure to the Label shelf. Notice this places a **Quantity** pill in the Marks shelf with an "F-in-a-box" icon right beside it.
5. Click on the **SUM(Quantity)** pill in the Marks shelf to show the dropdown and choose Format. In the Default section, click on the Numbers dropdown and choose Format. Choose Number (Standard).

Sales Distribution by Region



How do our region sales compare to each other?

We are then asked to assess which regions in Europe and Asia sell the most records, but we quickly find that we aren't able to answer this information given the fields already defined in our data set.

Music Sales Dashboard

