

Experiment 8: Top N Countries Using Parameters,

Sets, and Filters
Aim: Strengthen the concepts of parameters, sets and filters

Activity: Top N Countries Using Parameters, Sets, and Filters

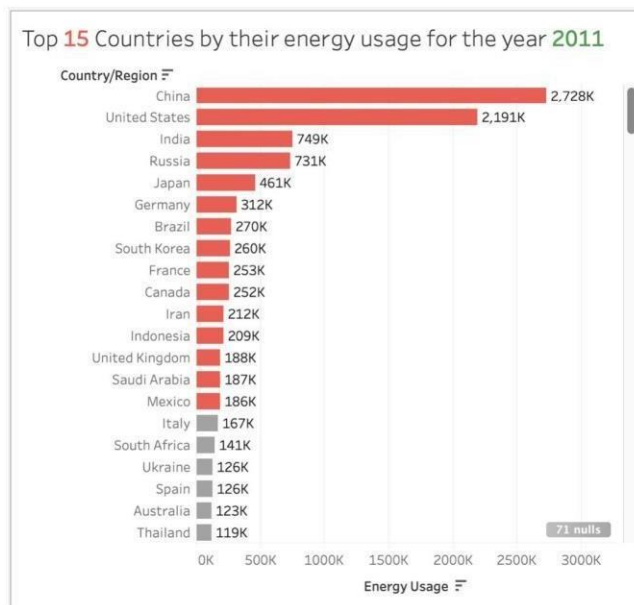
As part of the annual hackathon in the company, each team is required to utilize the World

Indicators dataset to showcase the top 5 countries according to certain metrics. You decide to show the top N countries by energy usage and also give end users the ability to change the N from 5 to 10, 15, or 20 for ease of use. You will create an interactive view of the World Indicators dataset using

sets, context filters, and parameters in this activity. By the end of this activity, you will have created an interesting view by utilizing all the major topics covered in this chapter, with a special focus on context filters and end user interactivity.

1. Connect to the WorldIndicators.hyper dataset downloaded from the project/book folder in Tableau.
2. Create a bar chart of Country/Region by Energy Usage.
3. Create a Top N Countries parameter with 5, 10, 15, and 20 as list values.
4. Create a set called Top N by Energy Usage and use the Top N Countries parameter for user interactivity.
5. Drag the Top N by Energy Usage set to the Color Marks shelf.
6. Show Year[Year] as a single drop-down filter.
7. Make sure the Year filter updates the list of top N countries by their energy usage. Hint: context filters.
8. Make the title dynamic, so when the Top N Countries parameter and the Year filter are updated, the title should appropriately reflect the changes. For example, if the user selects the top 10

countries for the year 2010, the title should be Top 10 countries by their



energy usage for the year 2010. The final expected output is as follows:

Solution :-

