

14.3.5 Determine the Bikes Due for Repair

Kate is trusting you to put together a strong presentation for the investors, so you're trying to think like one. What might the key costs be in a bike-share business? You mull over this question until inspiration strikes: beyond the initial setup, bike maintenance will likely be one of the biggest expenses. So, what can the data tell us about the upkeep bikes might need?

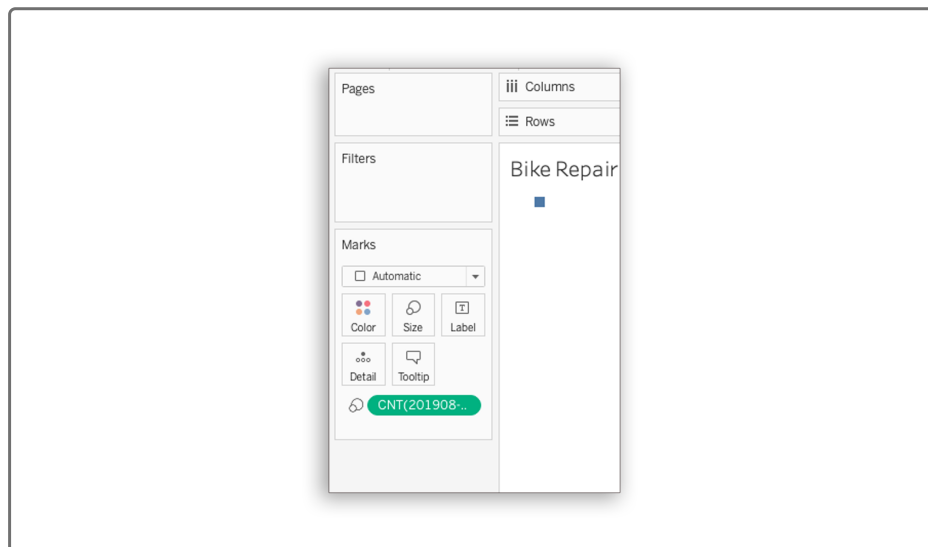
A likely concern of investors is the cost of bike upkeep. The bikes used most frequently will probably be the ones that require the most maintenance, so we'll need to determine which bikes have the highest sum of "Number of Rides."

Which Bikes Are Most Likely Due for Repair?

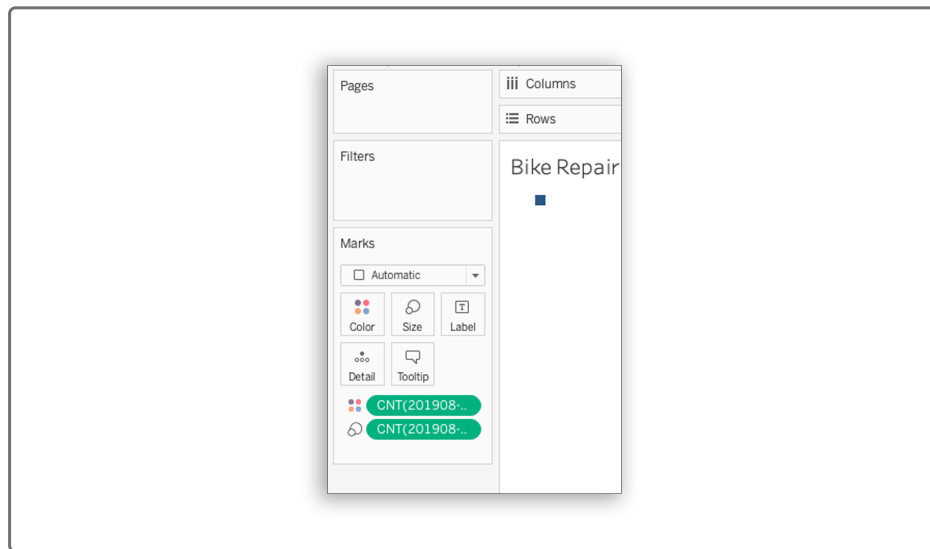
Begin by creating a worksheet called "Bike Repairs." Now identify the measures and dimensions needed.



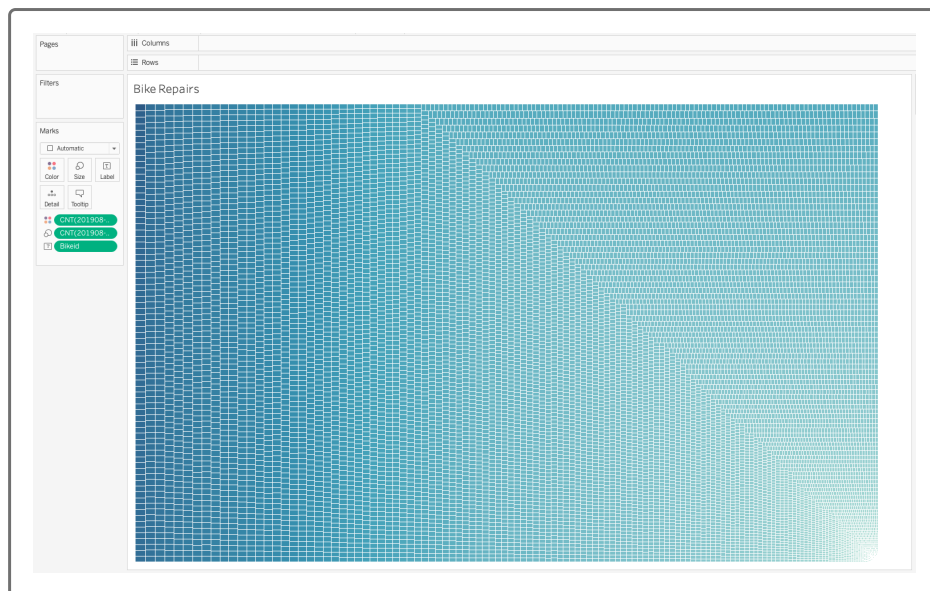
Now let's create a treemap. Start by dragging the `201908-citibike-tripdata.csv (Count)` measure to the Size mark.



Next, drag the `201908-citibike-tripdata.csv (Count)` measure to the Color mark. Here's what that will look like:



Finally, drag the Bikeid measure to the Text mark. You will need to change the Bikeid to a dimension by clicking the arrow in the "Bikeid" box and selecting dimension. The worksheet will now look like the following:



Good work! Now we can look at our treemap to get an idea of how often each bike is used, and then note which ones are used most frequently.

SKILL DRILL

Consider how this data might be better represented. Then redesign the worksheet to more clearly represent the bikes that might need the most repairs. In order to redesign the worksheet, you may need to look at other visualizations that might be a better fit.

© 2020 - 2022 Trilogy Education Services, a 2U, Inc. brand. All Rights Reserved.