Free Trial

Weekly Challenge

Solve the challenge, share your solution and summit the ranks of our Community!

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IDEAS WANTED
We're actively looking for ideas on how to improve Weekly Challenges and would love to hear what you think!
SUBMIT FEEDBACK ▸

Challenge #175: Tire Size Calculator

AYXAcademy
Alteryx

A solution to last week's challenge can be found here!

Tires: they smell bad and can be expensive, but we all need them. For being a basic piece of technology, they have a huge impact on arriving safely at your destination.
For instance, the "contact patch" refers to the amount of a tire contacting the surface of the road. The size of a contact patch has a huge impact on stopping distance, traction, and even fuel economy. It's a similar story with tire height.

When looking for new tires, it can be useful to get information about a tire's width and height. Many sites have "tire calculators" which allow a user to enter a tire's size in a standard format and view more information on that tire. The standard format for tires is tire width in millimeters, a percentage of that width as the sidewall's height, and the radius of the rim in inches (e.g. 285/70/R17 is a 285mm wide tire, with a sidewall size of 199.5mm (285*.7), and fits on a 17" rim).

For this week's challenge, create a chained app to allow users to enter tire size information and view the additional information on file. Update the next field after the user makes a selection so that only existing options are available.

Your app interface should look similar to this:
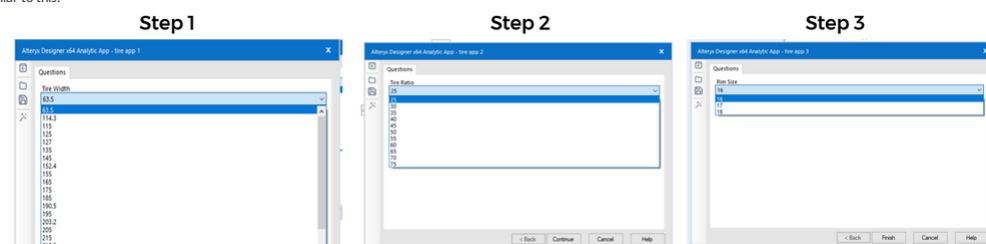
Create a three-step app to find tires based on width, sidewall height, and rim radius.

🔗 **Tire Size Data.yxdb** ⬇

🔗 **tire app 1.yxzp** ⬇
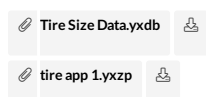
Apps   Difficult   Interface   Parse   Preparation   Transform

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🔗 **step0.yxzp** ⬇️

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JosephSerpis
16 - Nebula

Challenge Completed
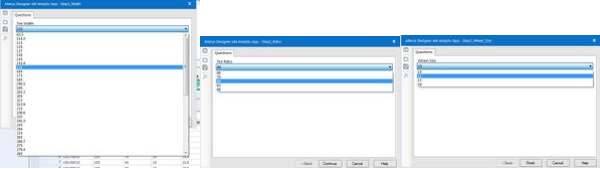
🔗 **Challenge_175_Joe_Serpis.yxzp** ⬇️

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NicoleJohnson
15 - Aurora

My solution! Went with an intro question as well so that I didn't have to have manual inputs in my first drop down (used the first app to create the grouped values for the second chained app to use in the dropdowns).

▷ Spoiler

Cheers!
NJ

🔗 **challenge_175_NicoleJohnson1.yxzp** ⬇️

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patrick_digan
17 - Castor

▷ Spoiler

🔗 **Challenge 175.yxzp** ⬇️

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rbirch
5 - Atom

Solution to challenge #175.

🔗 **Step 1.yxzp** ⬇️

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Reesetrain2
8 - Asteroid

All,

My submission:

▷ Spoiler

📎 **Challenge_175_Reesetrain_Submission.yxmd** ⬇

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Alekh
8 - Asteroid

First chained app challenge?

📎 **175..yxzp** ⬇

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ACE Ladarthure
14 - Magnetar

Hi @Reesetrain2, another way to do that is to chain apps, it may be a bit longer to design, but not that hard!

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Martyn
9 - Comet

Another nice challenge.

> ▷ Spoiler

📎 **Challenge_175_Step_1.yxzp** ⬇

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La

A

D