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 #160: Diamonds R Forever

ChristineB
Alteryx Alumni (Retired)

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

Happiest of birthdays to those of you born in the month of April! Did you know that the diamond is this month's birthstone? To celebrate, analyze a dataset to count the number of diamonds that fall within a range of carat weights.

The zip file below contains the file BigDiamonds.rda. Use the R tool to read in the data to use in Designer. You may find this article helpful for this challenge!

Note: Make sure you have your Predictive tools installed!

Happy Birthday from the shiniest of diamonds...Neil Diamond.

BigDiamonds.zip

challenge_160_start_file.yxmd

challenge_160_solution.yxmd

Data Analysis | Data Preparation | Difficult | Join | Predictive | Preparation | Transform

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patrick_digan
17 - Castor

▷ Spoiler

challenge_160_start_file.yxmd

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Share 1 LIKE Reply

nwhaley
5 - Atom

Spoiler

Solution attached. Also quickly explored how avg. price varies between certification agencies...wow.

challenge_160_nwhaley.yxmd

Share 1 LIKE Reply

PhilipMannering
15 - Aurora

I'm forever the R-soul.

Spoiler

challenge_160_start_file.yxzp

Share 2 LIKES Reply

kat
12 - Quasar

Challenging!

Spoiler

Challenge #160.yxmd

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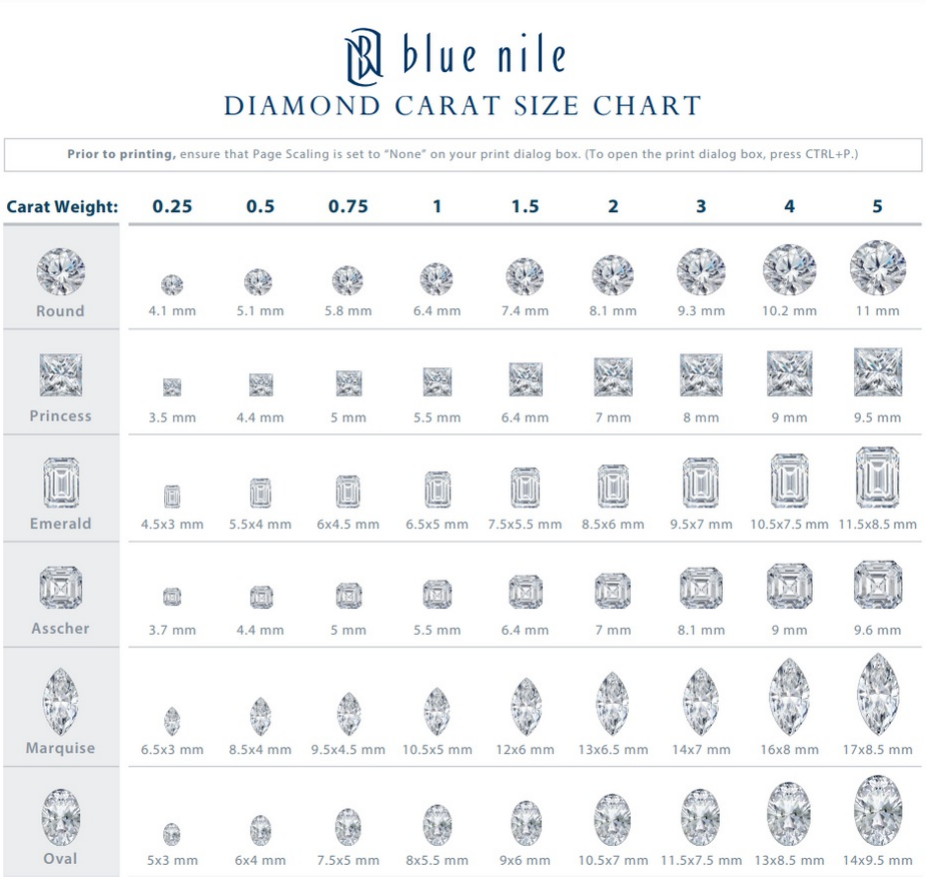
estherb47
15 - Aurora

The R tool was very frustrating, until I realized that my slashes were in the wrong direction. User error strikes again!

Then just wanted to group the carats like I found in the diamond charts, so my formula tool differs a bit from others



Carat Weight:	0.25	0.5	0.75	1	1.5	2	3	4	5
Round	4.1 mm	5.1 mm	5.8 mm	6.4 mm	7.4 mm	8.1 mm	9.3 mm	10.2 mm	11 mm
Princess	3.5 mm	4.4 mm	5 mm	5.5 mm	6.4 mm	7 mm	8 mm	9 mm	9.5 mm
Emerald	4.5x3 mm	5.5x4 mm	6x4.5 mm	6.5x5 mm	7.5x5.5 mm	8.5x6 mm	9.5x7 mm	10.5x7.5 mm	11.5x8.5 mm
Asscher	3.7 mm	4.4 mm	5 mm	5.5 mm	6.4 mm	7 mm	8.1 mm	9 mm	9.6 mm
Marquise	6.5x3 mm	8.5x4 mm	9.5x4.5 mm	10.5x5 mm	12x6 mm	13x6.5 mm	14x7 mm	16x8 mm	17x8.5 mm
Oval	5x3 mm	6x4 mm	7.5x5 mm	8x5.5 mm	9x6 mm	10.5x7 mm	11.5x7.5 mm	13x8.5 mm	14x9.5 mm

Not entirely sure I understand what I did with the R tool, other than get it to function, so something new to learn just dropped!!!

challenge_160_EHB_completed.yxmd

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RolandSchubert
16 - Nebula

First-time used the R tool and finally managed to bring the data to the workflow. Afterwards it seems easy and straightforward ...

challenge_160_solution_rsc.yxmd

Share 1 LIKE Reply

danilang
18 - Pollux

24 diamonds above 8 carats. Sweet Caroline, indeed!

▷ Spoiler

Dan

challenge_160_solution_dl.yxmd

Share 2 LIKES Reply

cgoodman3
13 - Pulsar

Spoiler

Chris
Check out my collaboration with fellow ACE Joshua Burkhow at AlterTricks.com

challenge_160_solution.yxmd

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