We've recently made an accessibility improvement to the community and therefore posts without any content are no longer allowed. Please use the spoiler feature or add a short message in the message body in order to submit your weekly challenge.

2022-05-26 Updates: Email: If you're not seeing emails be delivered from the Community, please check your spam and mark the Community emails as not junk. Thank you for your patience.

SIGN IN

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!

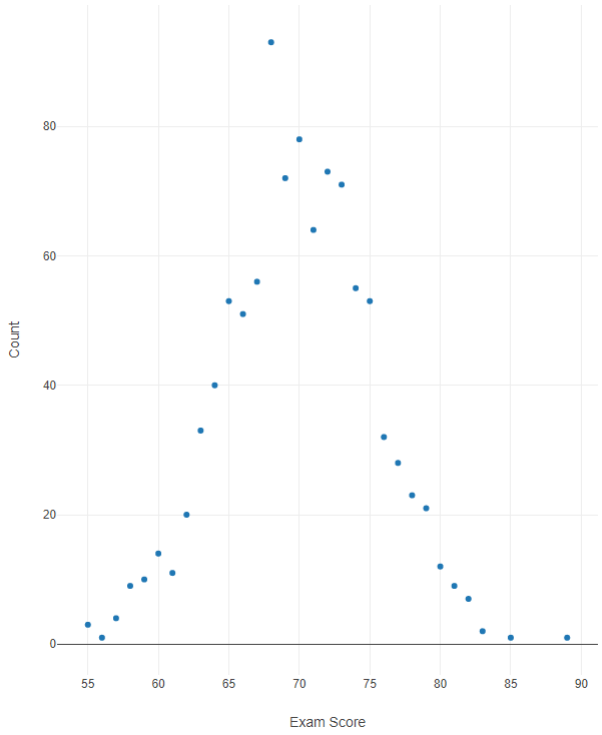
SUBMIT FEEDBACK

Weekly Challenge

Challenge #141: Examination Data Simulation

JoeM
Alteryx Alumni (Retired)

Generating sample data to represent a population is key for many types of analyses! In this workflow, we have a list of 1000 people and we want to simulate a a test score for each person. For each person, randomize a score for the exam, but we're not going to make it that easy!
You'll need to generate the simulated scores under these conditions:
1) The lowest possible test score is a 50%, while the highest is a 90%
2) The simulated score must be 'randomly' generated as a normal distribution, where the population mean is 70%.
3) After creating the simulated test results, build a chart view to prove you have achieved a 'random' normal distribution by binning each score to the nearest point.



Stuck? Hint 1

Spoiler

Hint 2

Spoiler

Hint 3

Spoiler

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patrick_digan
17 - Castor

Spoiler

challenge_141_start_file.yxmd

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CHarrison
8 - Asteroid

Challenge 141.yxmd

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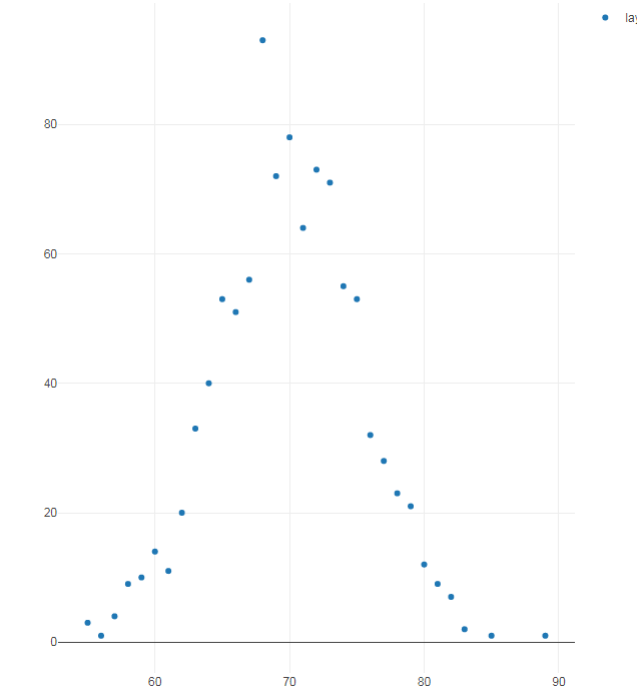
neilgallen
12 - Quasar

Spoiler



challenge_141_NGA.yxmd

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JEBS
6 - Meteoroid

challenge_141_solution_Simulation_Sampling_JEBS.yxmd

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Justin_0
8 - Asteroid

Spoiler

141.yxmd

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CharlieS
17 - Castor

Challenge_0141-CharlieS_Solution.yxmd

Share 0 LIKES Reply

MichalM
Alteryx

Great example of an iterative development...build, run, check, tweak...run again, check, tweak etc etc Got there eventually.

challenge_141_mm.yxmd

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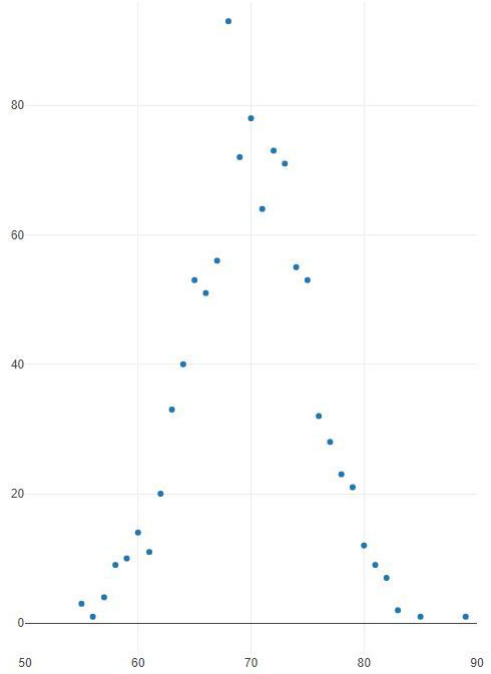
ggruccio
ACE Emeritus



Mine looks a lot like the picture - first time using this tool!

▷ Spoiler

challenge_141_gg_finish.yxmd

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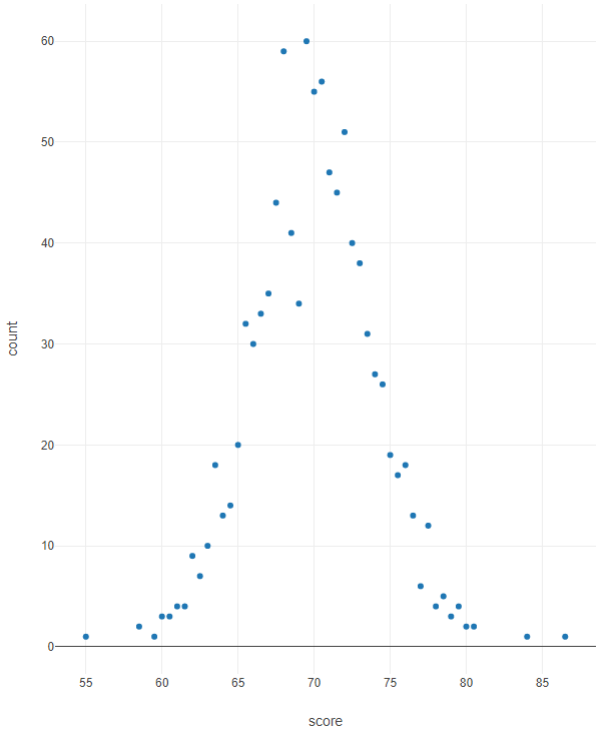
kat
12 - Quasar

It was time to try out the Python tool :)

▷ Spoiler



Challenge #141.yxmd

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La

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