

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.



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## 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!

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## Challenge #157: An Expert Challenge



[ElizabethB](#)

Alteryx Community Team

Last week's solution can be found [here](#).

Have you ever wanted to take a sneak peek at one of the questions on the Alteryx Designer Expert exam? We thought you might, so for the first time ever we're releasing one of our retired Expert exam questions as a Weekly Challenge! The amazing [@CristonS](#) created this question and it made its debut at the first Expert exam in Anaheim last summer. This question gave everyone a hard time, and most people avoided it all together, so if it seems intimidating you're not alone! We wanted to keep this in the same format as the actual exam question so you won't see an output file, just an input. We'll post the answer and our solution next week.

You are provided a dataset (Q2\_variables.yxdb) that contains multiple variables. Select the ten (10) numeric variables with the highest Mean Decrease Gini coefficient from the variable importance plot. Use these variables to build a model to predict the target variable, [H0]. Compare two models: one based on all of the selected variables, and another that includes the selected variables except [F\_38]. What is the effect of removing this variable [F\_38] from the model? Provide the Chi-Sq effect as your answer.

[challenge\\_157\\_start\\_file.yxzp](#)

[Challenge\\_157\\_solution.yxzp](#)

Data Preparation Difficult Predictive Predictive Analysis

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[patrick\\_digan](#)

17 - Castor

I would have been skipping this problem as well on the exam! Here is my best guess

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[challenge\\_157\\_start\\_file.yxmd](#)

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[pjdit](#)

8 - Asteroid

Well, this one was way over my head. :-) but took my best shot at it..

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Really a hard one - the main problem was to find that "Variable Importance Plot Mean Decrease in Gini", but Alteryx Community has been very helpful on that.

▷ Spoiler

 challenge\_157\_solution\_rsc.yxzp





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 **danilang**

18 · Pollux

Also in way over my head. Google was definitely my friend today!

▷ Spoiler

Given how much I didn't know about this entire domain, I don't think I'll be writing my expert exam any time soon.

Dan


 challenge\_157\_solution\_dl.yxzp



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 **kat**


12 · Quasar

Expert is tough! So much respect for anyone who passed!

Here is my best guess for now..

▷ Spoiler

 Challenge #157.yxzp



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 **cplewis90**

13 · Pulsar

I am with most and would have skipped this one. This was a fun challenge though that I did two different ways.

▷ Spoiler


 challenge\_157\_CL.yxmd



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 **RichoBsJ**

10 · Fireball

Hi! Here my solution :)

▷ Spoiler

 challenge\_157\_richobsj.yxzp



**pasccout**  
8 - Asteroid

Here is my solution... hopefully I've found the correct CHI calculator...  
Guess I need to understand more on what predictive really does :)

► Spoiler

challenge\_157\_start\_file.yxmd

**edwin\_isensee**  
7 - Meteor

Here is my solution.

► Spoiler

challenge\_157\_solution\_file.yxmd

