

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

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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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[Weekly Challenge](#)

Challenge #131: Think Like a CSE... The R Error Message: cannot allocate vector of size...



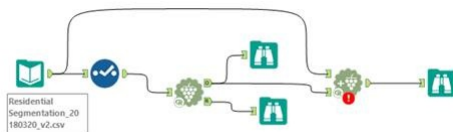
SydneyF
Alteryx Alumni (Retired)

The solution to last week's Challenge has been posted [here!](#)

We are thrilled to present another Challenge from our "Think like a CSE" series, brought to you by our fearless team of Customer Support Engineers. Each month, the Customer Support team will ask Community members to "think like a CSE" to try to resolve a case that was inspired by real-life issues encountered by Alteryx users like you! This month we present the case of the R Error Message: cannot allocate vector of size 7531.1 Gb.

Below, we've provided the information that was initially available to the Customer Support Engineer who resolved the case. It's up to you to use this information to put a solution together for yourself.

The Case: A co-worker is running into the R error "Append Cluster: Error: cannot allocate vector of size 7531.1 Gb" in a workflow that uses a couple of the Predictive Clustering Tools. This error is causing the workflow to stop running before completing. A screenshot of the workflow, and the error(s) are as follows.



Browse (6)	9 records
Append Cluster (7)	Append Cluster: Error: cannot allocate vector of size 7531.1 Gb
Append Cluster (7)	Append Cluster: Execution halted
Append Cluster (7)	Append Cluster: The R.exe exit code (1) indicated an error.
Designer x64	Finished running in 12:55 minutes with 3 errors and 22 field conversion errors and 1 warning

Your Goal: Identify the root cause of the issue, and develop a solution or workaround to help your co-worker get past this error and finish running the workflow.

Asset Description: Your co-worker can't share the file with you due to client privacy concerns, but it is about 7 GB in size (3 million records and 30 fields). Using only the provided screenshots, dummy data of your own design, and sheer willpower, can you develop a possible resolution?

The Solution:

► Spoiler



Data Preparation Difficult Macros Predictive Preparation Transform

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mpennington
11 - Bolide

► Spoiler

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17 - Castor

» Spoiler

I was unable to replicate this error, so I'm not sure if these suggestions will help (or if this response will count as a completed challenge).

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patrick_digan
17 - Castor

I've never used the cluster tools before, but....

» Spoiler

 challenge 131.yxmd 

 5 KB 

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estherb47
15 - Aurora

Having trouble recreating a data set here (dummy data would always help), so just going for some suggestions instead of attaching a workflow

» Spoiler

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OldDogNewTricks
10 - Fireball


Here is my attempt at a root cause and possible solutions...

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ckings
7 - Meteor

» Spoiler

I am not very experienced with this tool so I used R forum to determine problems. Not 100% on my answer either so I'm looking forward to the answer being posted!
[RStudio Error Handling](#)



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ggruccio
ACE Emeritus

I've used these tools before so I have a few ideas. It seems that the size of the data set with 3 million rows and 30 variables is the culprit!

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danilang
18 - Pollux

I'm attacking this from a sys admin point of view, since most of the Alteryx/R related points having to do with data set size, process optimisation and memory management were covered previously.

» Spoiler

Dan

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La

