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

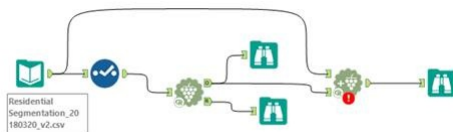## Challenge #131: Think Like a CSE... The R Error Message: cannot allocate vector of size...

**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.





**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:**

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🔗 **Solution.yxzp**  ⬇

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

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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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**clant**
8 - Asteroid

▷ Spoiler

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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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