



microsoft /
LightGBM



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Rscript command does not work #2027

Closed

Assignees



Labels

r-package



thecpshah opened on Feb 25, 2019



Environment info

Operating System: Windows

CPU/GPU model: CPU

C++/Python/R version: R

LightGBM version or commit hash: Current

Error message

When I execute the command `Rscript build_r.R`, I get the following error: 'Rscript' is not recognized as an internal or external command, operable program or batch file.

Reproducible examples

Steps to reproduce

1. Follow the steps here <https://github.com/Microsoft/LightGBM/tree/master/R-package>



Anaconda Prompt

```
(base) C:\Users\thecpshah\Desktop\LightGBM>Rscript build_r.R
'Rscript' is not recognized as an internal or external command,
operable program or batch file.
```

 **StrikerRUS** assigned [jameslamb](#) and [Laurae2](#) on Feb 26, 2019



StrikerRUS on Feb 26, 2019

Collaborator



[@thecpshah](#) Please provide your `PATH`



jameslamb on Feb 26, 2019

Collaborator




[@thecpshah](#) to elaborate on [@StrikerRUS](#) 's question, this error almost always means you don't have `Rscript` on your path.

I notice you're in a conda cmd session...did you use `conda` as your R installer, instead of downloading and installing R for Windows?

Also, let's confirm that the issue is with our script and not some misconfiguration in your environment. Could you share the result of running this command from that prompt:

```
Rscript -e "print('hello StrikerRUS and jameslamb')"
```



 **jameslamb** added `r-package` on Feb 26, 2019



thecpshah on Feb 26, 2019

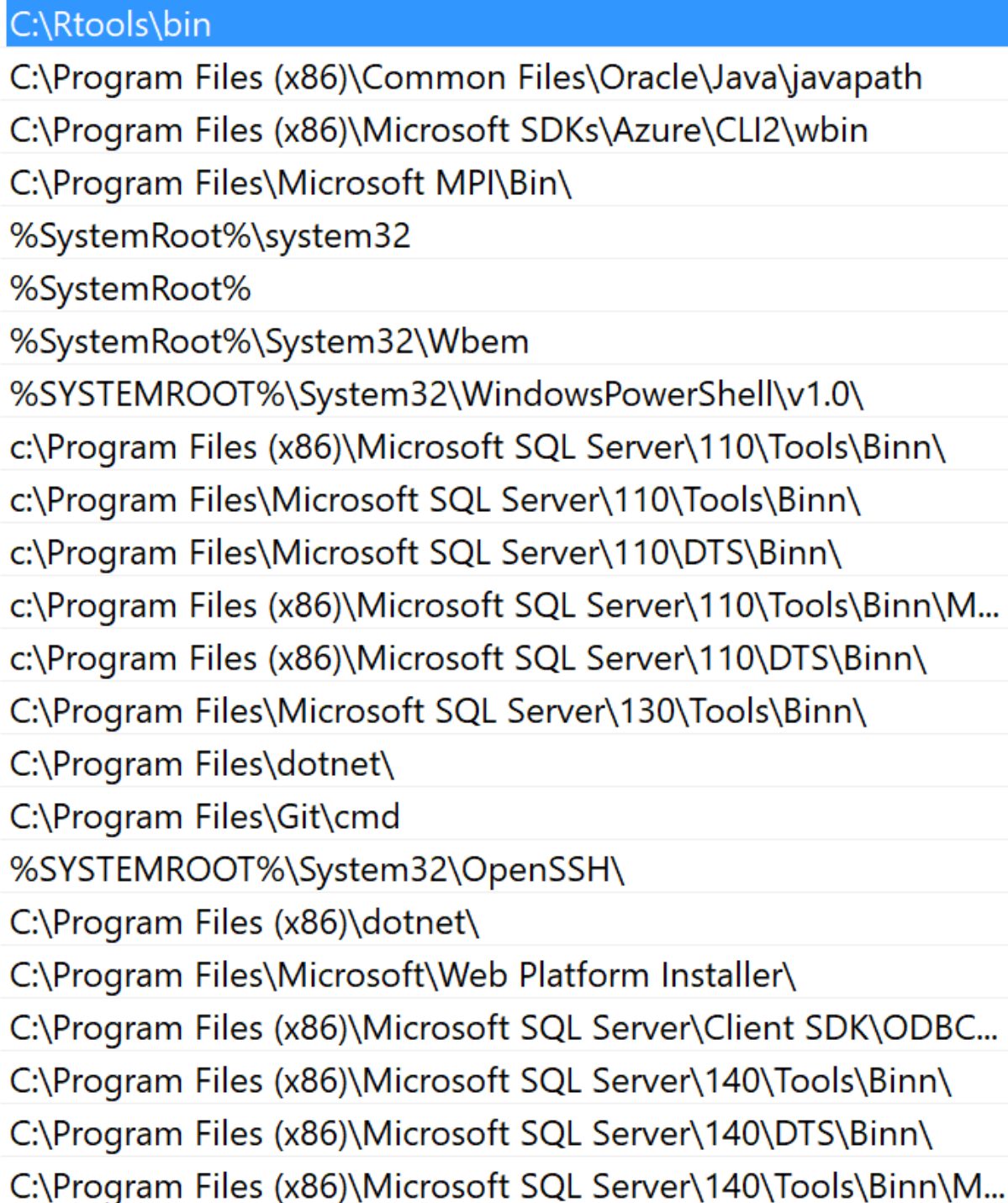
Author



Thanks for your responses.

I downloaded R from CRAN. I used Conda prompt to clone git repo.

Please see attached screenshot for PATH.

A screenshot of the Windows PATH environment variable list. The list is displayed in a scrollable window with a blue header bar. The first entry, 'C:\Rtools\bin', is highlighted in blue. The list contains various system and application paths, including Oracle Java, Microsoft SDKs, MPI, SystemRoot, and several Microsoft SQL Server paths. The list is truncated at the bottom with an ellipsis.

C:\Rtools\bin
C:\Program Files (x86)\Common Files\Oracle\Java\javapath
C:\Program Files (x86)\Microsoft SDKs\Azure\CLI2\wbin
C:\Program Files\Microsoft MPI\Bin\
%SystemRoot%\system32
%SystemRoot%
%SystemRoot%\System32\Wbem
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\
c:\Program Files (x86)\Microsoft SQL Server\110\Tools\Binn\
c:\Program Files\Microsoft SQL Server\110\Tools\Binn\
c:\Program Files\Microsoft SQL Server\110\DTS\Binn\
c:\Program Files (x86)\Microsoft SQL Server\110\Tools\Binn\M...
c:\Program Files (x86)\Microsoft SQL Server\110\DTS\Binn\
C:\Program Files\Microsoft SQL Server\130\Tools\Binn\
C:\Program Files\dotnet\
C:\Program Files\Git\cmd
%SYSTEMROOT%\System32\OpenSSH\
C:\Program Files (x86)\dotnet\
C:\Program Files\Microsoft\Web Platform Installer\
C:\Program Files (x86)\Microsoft SQL Server\Client SDK\ODBC...
C:\Program Files (x86)\Microsoft SQL Server\140\Tools\Binn\
C:\Program Files (x86)\Microsoft SQL Server\140\DTS\Binn\
C:\Program Files (x86)\Microsoft SQL Server\140\Tools\Binn\M...

When I run the command, `Rscript -e "print('hello StrikerRUS and jameslamb')"`

I get following:

'Rscript' is not recognized as an internal or external command, operable program or batch file.



Laurae2 on Feb 26, 2019

Contributor



[@thecpshah](#) Include your R's Rscript to your PATH then re run a command prompt. It should be in (???)\R\bin\x64 in Windows.

thecpshah on Feb 26, 2019

Author



Ok, this works. Once I added it in the PATH, this command work `Rscript -e "print('hello StrikerRUS and jameslamb')"`

But when I execute `Rscript build_r.R` in `LightGBM` directory, I get message `There is no package Roxygen2`. Once I installed it, it complains that `devtools` isn't installed.

thecpshah on Feb 26, 2019

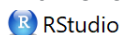
Author



I am able to build `LightGBM` and ran the test example.

It runs, however, it would be good if expected output was available. Please see the output attached.

Thanks for all the help.



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```
Console C:/Users/chintan.b.shah/Desktop/santander-customer-transaction-prediction/
> library(lightgbm)
> data(agaricus.train, package='lightgbm')
> train <- agaricus.train
> dtrain <- lgb.Dataset(train$data, label=train$label)
> params <- list(objective="regression", metric="l2")
> model <- lgb.cv(params, dtrain, 10, nfold=5, min_data=1, learning_rate=1, early_stopping_rounds=10)
[LightGBM] [Info] Total Bins 137
[LightGBM] [Info] Number of data: 5211, number of used features: 116
[LightGBM] [Info] Total Bins 137
[LightGBM] [Info] Number of data: 5211, number of used features: 116
[LightGBM] [Info] Total Bins 137
[LightGBM] [Info] Number of data: 5210, number of used features: 116
[LightGBM] [Info] Total Bins 137
[LightGBM] [Info] Number of data: 5210, number of used features: 116
[LightGBM] [Info] Total Bins 137
[LightGBM] [Info] Number of data: 5210, number of used features: 116
[LightGBM] [Info] Start training from score 0.489349
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Info] Start training from score 0.478219
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Info] Start training from score 0.480998
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Info] Start training from score 0.481382
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Info] Start training from score 0.480614
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[1]: valid's l2:1.69714e-16+1.37324e-16
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[2]: valid's l2:1.43928e-31+1.26308e-31
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[3]: valid's l2:1.36272e-34+1.66898e-34
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] Stopped training because there are no more leaves that meet the split requirements
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[4]: valid's l2:1.36272e-34+1.66898e-34
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] No further splits with positive gain, best gain: -inf
[LightGBM] [Warning] Stopped training because there are no more leaves that meet the split requirements
```



jameslamb on Mar 2, 2019

Collaborator



[@thecpshah](#) Oh good, I am glad it worked for you! I am going to close this issue.

Thanks for the help [@Laurae2](#)



jameslamb closed this as [completed](#) on Mar 2, 2019



lock locked as resolved and limited conversation to collaborators on Mar 11, 2020



Add a comment



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Metadata

Assignees



Laurae2



jameslamb

Labels

r-package

Type

No type

Projects

No projects


Milestone

No milestone

Relationships

None yet

Development

 Code with Copilot Agent Mode

▼

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Participants

