

PET Design Space Browser – Release v1.1.2

Date: 1/15/2016

New Features

- Added “Enum” Support: Ability to handle data that is text. (Note: Coloring on Factors will be supported in a future version.)

Filter Data:

Reset Sliders

Success

No
Yes

npix_choice

Large
Medium
Small

pixel_size

10 30

10 12.2 14.4 16.6 18.8 21 27.6 29.8

SeekerDiameter

15.06 195.5

15.06 51.156 87.252 123.348 159.444 195.5

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- Added “Data Table” Tab
 - Click “Update Data Table” to update results after adjusting sliders.”

Pairs Plot Single Plot Data Table Options

Update Data Table

Show 25 entries

Success	pixel_size	SeekerDiameter	aperture
No	20	124.16962	39.04870
No	20	123.50968	41.05151
No	20	153.48506	44.97911
No	20	91.13036	43.04720
No	20	96.37778	34.44035
No	20	70.73325	36.16461

- Added “Options” Tab
 - Added ability to choose “small”, “medium” or “large” points.
 - Added ability to choose “empty” and “filled” points.
 - “About” section including version, support email.

Pairs Plot Single Plot Data Table Options

Render Options

☒ Automatically Rerender

Point Options:

<input checked="" type="radio"/> Normal	<input checked="" type="radio"/> Small
<input type="radio"/> Filled	<input type="radio"/> Medium
	<input type="radio"/> Large

About

Version: v1.1.2

Date: 1/15/16

Developer: Metamorph Software

Support: tthomas@metamorphsoftware.com

Bugs Fixed

- Error with sometimes crashing with error “non-numeric argument to binary operator”.
- Error with failing to load data if the first configuration encountered didn’t have any results.
- Error when Path was different than standard install.
 - Now appends the standard R install location to the Path environment variable.
 - If you installed R in a location other than the default, please follow the instructions for adding R to your “Path” environment variable in Appendix A.

Dependencies

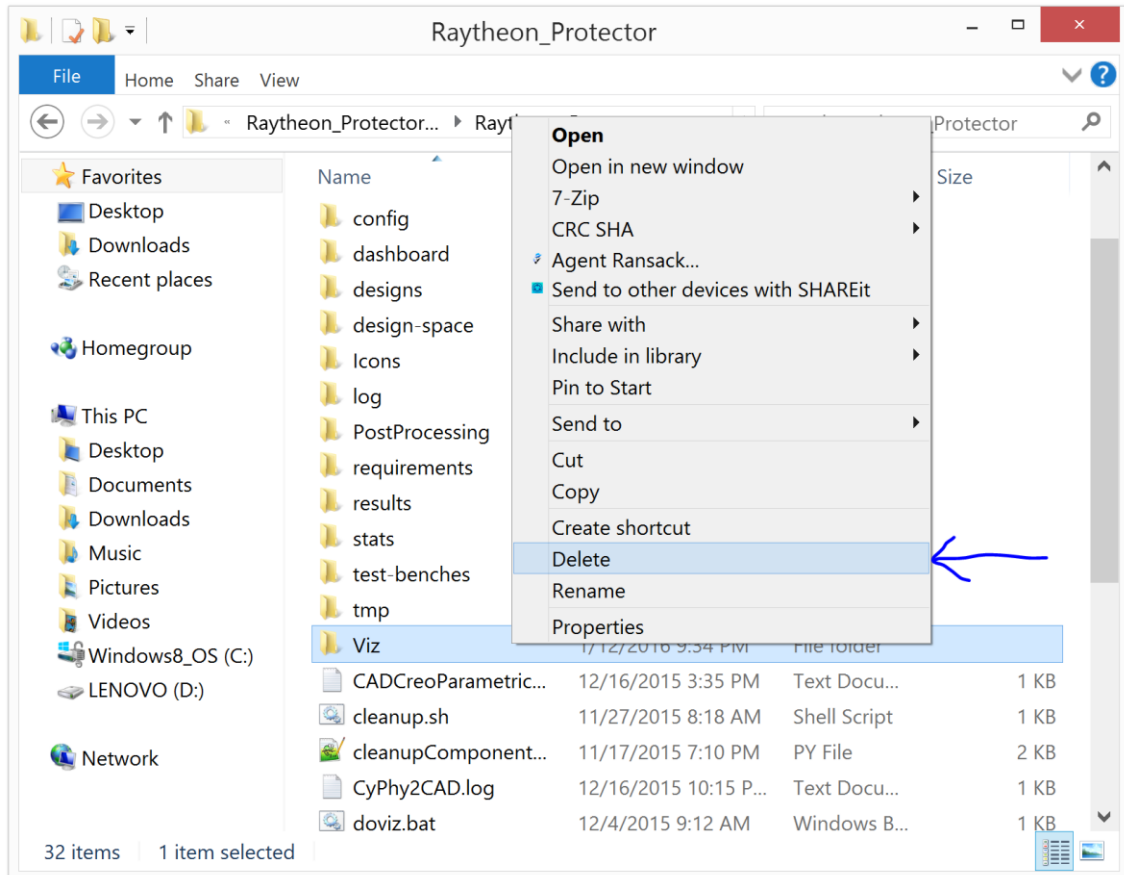
- R x64 >= 3.2.2; R added to “Path” environment variable (see Appendix A).
- Shiny >= 0.12.2

Installation

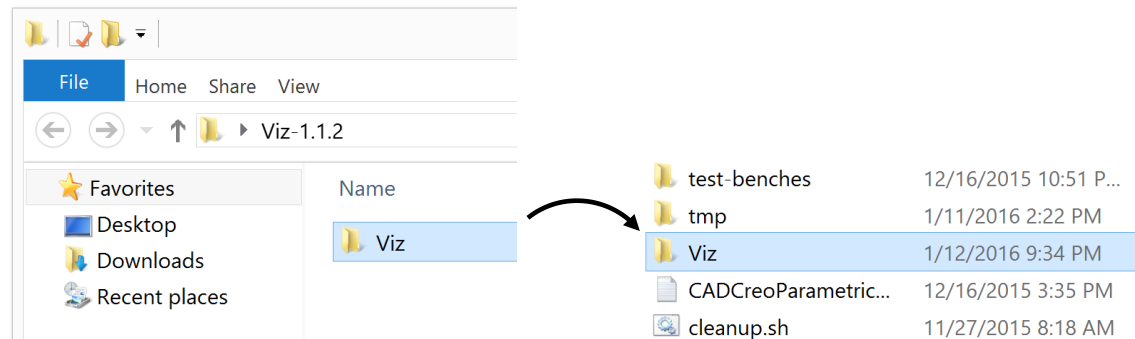
The whole of the updated tool is included in the “Viz-1.1.2” folder that is hosted on the Sharepoint.

To update the “PET Design Space Browser” to the 1.1.2 version:

1. Delete the entire current “Viz” folder from your project directory.



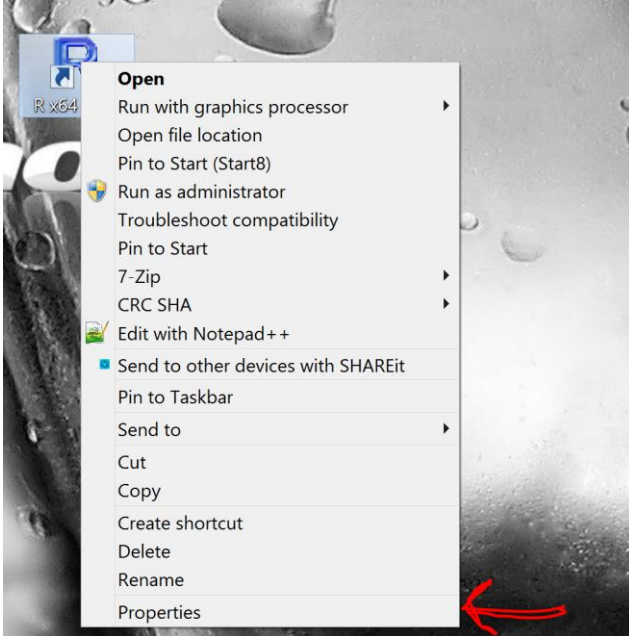
2. Copy the “Viz” folder from the “Viz-1.1.2” directory into your project directory.



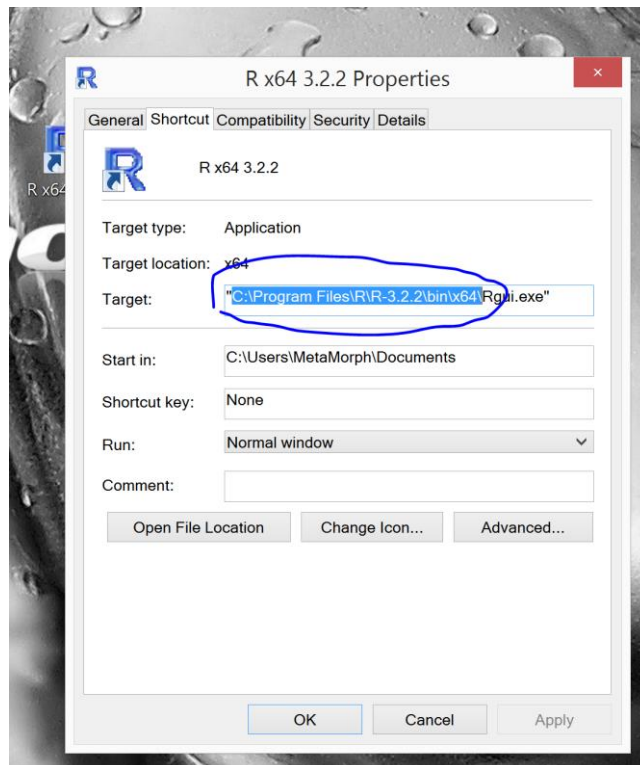
Appendix A: Adding R to your Path

To run R from any location, we need to add the R installation directory to the “Path” system variable. This is needed to successfully launch the “Viz” shiny app that displays the results.

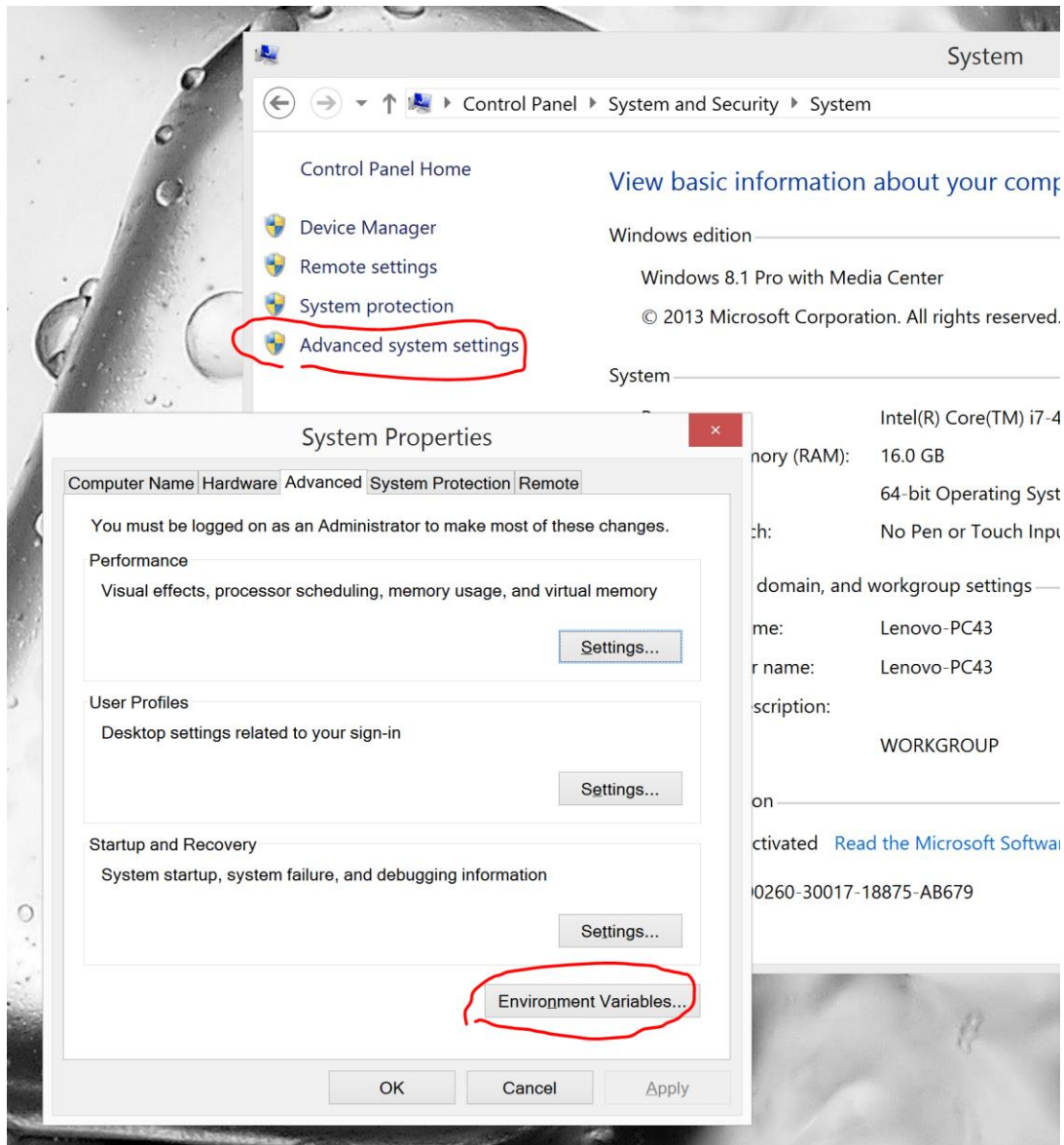
1. Right-click “R x64 3.2.2” icon on desktop and select “Properties”



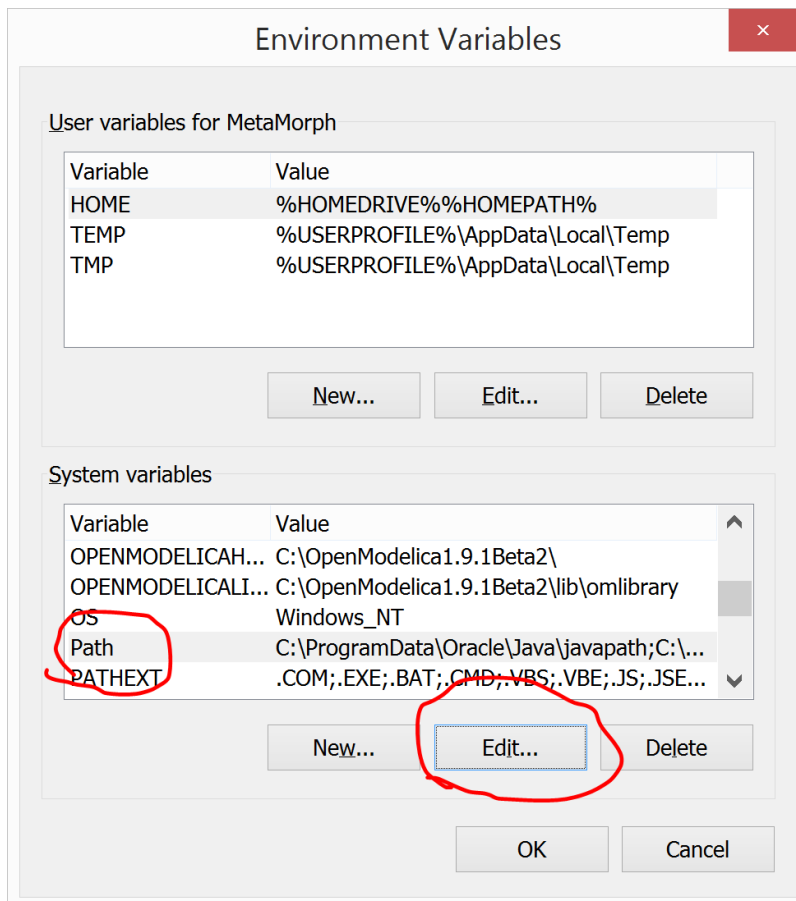
2. Copy the path where the “Rgui.exe” file is located, i.e. on this machine it is “**C:\Program Files\R\R-3.2.2\bin\x64**”



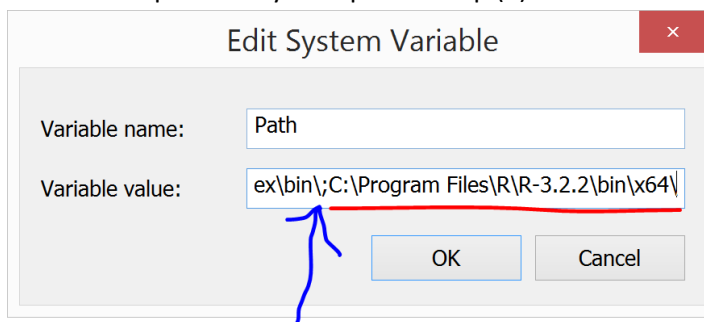
3. Open the System Preferences by clicking **“Start > Control Panel > System”**.
4. Click the **“Advanced System Settings”** (requires Admin password) and then click the **“Environment Variables”** button.



5. [Please note that editing your Path variable as we are about to do can be very dangerous if you don't follow this step carefully] Find the **"Path"** variable in the **"System Variables"** and click **"Edit."**



6. Go to the very end (right) of the entry field by using the right arrow on your keyboard until you can't go any further.
7. Type a single **semicolon** (";").
8. Paste in the path that you copied in step (2).



9. Click **"OK"**.