

## RAD-ADAPT Installation Instructions

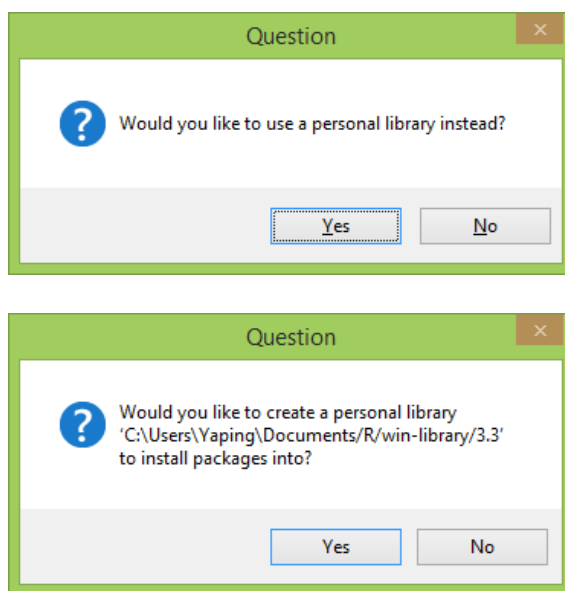
RAD-ADAPT can be installed on Windows 7, 8 and 10 platforms. Prior to installing RAD-ADAPT, it is necessary to install R and several additional R packages as described in the following **Pre-Installation** instruction section. RAD-ADAPT can then be installed as indicated in the **Installation** instruction section below. (**Note:** While RAD-ADAPT can automatically install R packages, one of the necessary packages requires a dependency that cannot be installed automatically.)

### Pre-Installation

1. Download R for Windows ( $\geq 3.3.0$ ) from <https://cran.r-project.org/> and install it.
2. Four additional R packages must be installed prior to installing RAD-ADAPT:
  - a. Open R and run the following command to install the required R packages:

*install.packages(c("qWidgets2", "qWidgets2RGtk2", "cairoDevice", "RGtk2"))*

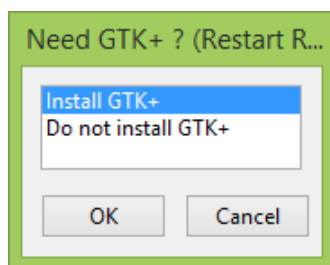
Note: depending on your version of Windows, R may ask if you would like to create a personal library (see below), please select Yes. You will also be asked to select a CRAN mirror site before the installation. The installation progress can be viewed in the R Console window. (Any displayed warning messages can be ignored.)



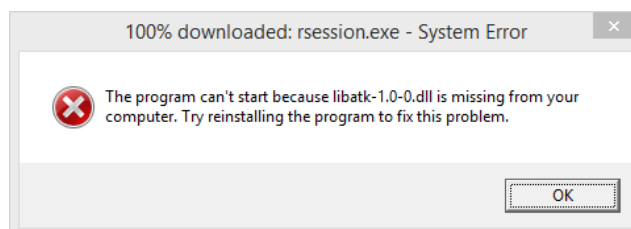
- b. Load "RGtk2" library to install the GTK+ library by running the following command:

*library("RGtk2")*

You will then see the following message if GTK+ is not available, please select "Install GTK+" and click "OK". It might take a few minutes to install.



**Note:** If the GTK+ library is not correctly installed, you may see the error message:



Any displayed warning messages can be ignored.

- c.** Exit R after completing steps **a** and **b**.

**Note:**

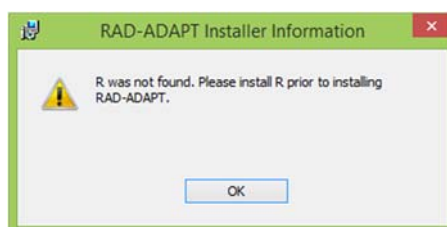
1. You can verify that a package has been installed via the following command illustrating the availability of the "RGtk2" package. R will return "TRUE" if the indicated package is installed. "RGtk2" %in% installed.packages()

2. You can verify that GTK+ library is installed via the following command (no message will appear if GTK+ library is available): library("RGtk2")

## RAD-ADAPT Installation

Download RAD-ADAPT from [bmsr.usc.edu/software/](http://bmsr.usc.edu/software/). Please select RADsetup32.exe for 32 bit systems and RADsetup64.exe for 64 bit systems. To check your system type, go to Control Panel, click System and Security, and then click System.

- a.** Launch the RADsetupXY.exe file you downloaded.
- b.** If R is not properly installed, you may see the message:



**Note:** If RAD-ADAPT cannot be launched, please first check if all the required R packages as well as the GTK+ library were successfully installed following the **Pre-Installation** instructions above.