

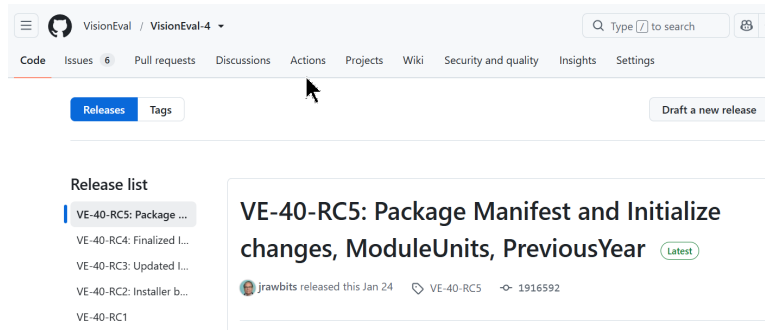
VisionEval manual installation

Due to firewall restrictions in agency IT environments, the VisionEval installer may be blocked from your computer. You can install VisionEval anyway provided you can do the following very simple things:

- Create folders on your computer
- Visit websites in a browser and download files from them
 - Download R
 - Download VisionEval code
- Unzip the downloaded VisionEval installer

Here is the detailed step-by-step manual installation process:

1. Download a supported R Version from <https://cran.r-project.org> and install it
 - a. You do NOT need administrative rights to install R
 - b. There will be a warning that some features won't be available, but you won't miss any of those.
 - c. Make a note of your R version (we're presuming R 4.6.1 which is the latest R release as of September 8, 2026)
2. Create a folder to host your VisionEval installation
 - a. The folder can be anywhere on your computer, but we recommend:
 - i. NOT using a cloud-shared drive (e.g. OneDrive)
 - ii. Preferring a folder path that does not contain spaces
 - b. All the instructions below will say **C:/VisionEval/** as the location for your installation and you should replace that text with the path to the folder you just created
3. Visit the Github latest release and scroll down to the "Assets" Section
 - a. Link: <https://github.com/VisionEval/VisionEval-4/releases>
 - b. Image showing the Github page (there may be a newer release – use the one at the top of the releases page):



c. Image showing Assets section lower on the page:

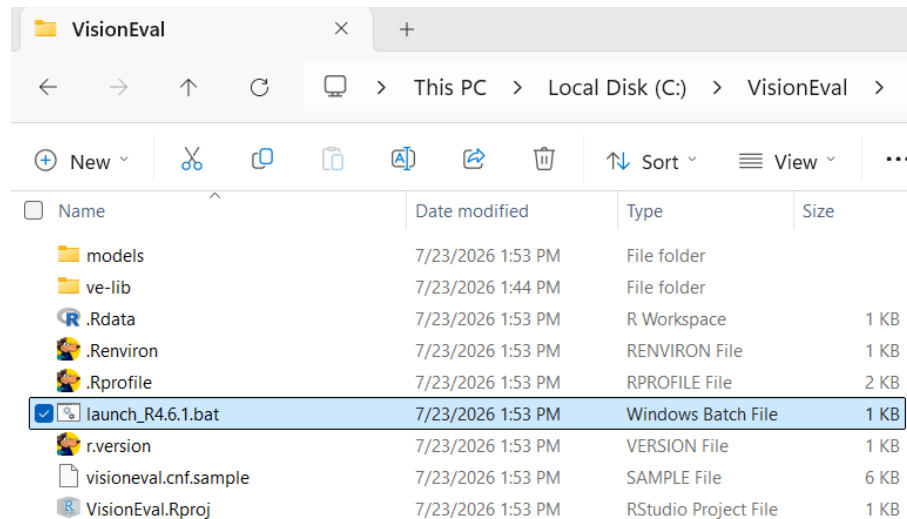
▼ Assets 8

 VE-Installer_Windows-R4.4_2026-01-24.zip	sha256:63...		37 	306 MB	Jan 24
 VE-Installer_Windows-R4.5_2026-01-24.zip	sha256:62...		19 	307 MB	Jan 24
 VE-Installer_Windows-R4.6_2026-06-01.zip	sha256:1b...		18 	305 MB	Jun 1
 VE-Installer_WinLibrary-R4.4_2026-01-24.zip	sha256:dc...		2 	515 MB	Jan 24
 VE-Installer_WinLibrary-R4.5_2026-01-24.zip	sha256:9c...		1 	518 MB	Jan 24
 VE-Installer_WinLibrary-R4.6_2026-06-01.zip	sha256:32...		2 	523 MB	Jun 1
 Source code (zip)					Jan 21
 Source code (tar.gz)					Jan 21

4. Download the highlighted installer (WinLibrary-R4.6) into the VisionEval folder. If you happen to have a different R version, pick one of the other WinLibrary downloads corresponding to your R version.
5. Create a folder called **C:/VisionEval/ve-lib/4.6**
 - a. Replace the **C:/VisionEval** with the folder you created in Step 2 above.
 - b. The part that matters is “ve-lib/4.6”
6. Extract the entire contents of the installer you downloaded in Step 4 into the folder you created in Step 5 (C:/VisionEval/ve-lib/4.6)
 - a. There should be 185 items in that folder (as of the RC-5 Release; later releases may have a different number of items)
 - b. Be sure the VisionEval (or VE”) packages (folders) are in that directory:

 VE2001NHTS	7/23/2026 1:46 PM	File folder
 VEBuild	7/23/2026 1:46 PM	File folder
 VEHouseholdTravel	7/23/2026 1:46 PM	File folder
 VEHouseholdVehicles	7/23/2026 1:47 PM	File folder
 VELandUse	7/23/2026 1:47 PM	File folder
 VEModel	7/23/2026 1:47 PM	File folder
 VEPowertrainsAndFuels	7/23/2026 1:47 PM	File folder
 VERPAT	7/23/2026 1:47 PM	File folder
 VESimHouseholds	7/23/2026 1:47 PM	File folder
 VESimLandUse	7/23/2026 1:47 PM	File folder
 VESimLandUseData	7/23/2026 1:47 PM	File folder
 VESimTransportSupply	7/23/2026 1:47 PM	File folder
 VESnapshot	7/23/2026 1:47 PM	File folder
 VESStart	7/23/2026 1:47 PM	File folder
 VESState	7/23/2026 1:47 PM	File folder
 VESyntheticFirms	7/23/2026 1:47 PM	File folder
 VETransportSupply	7/23/2026 1:47 PM	File folder
 VETransportSupplyUse	7/23/2026 1:47 PM	File folder
 VETravelDemandMM	7/23/2026 1:47 PM	File folder
 VETravelPerformance	7/23/2026 1:47 PM	File folder
 viridisLite	7/23/2026 1:47 PM	File folder
 visioneval	7/23/2026 1:47 PM	File folder

7. Start R and set its working directory to your VisionEval location:
 - a. In R: **setwd("C:/VisionEval")**
 - b. (The R command setwd changes the “working directory” to your VisionEval folder)
8. Tell R the location of your VisionEval installation:
 - a. In R: **.libPaths("C:/VisionEval/ve-lib/4.6")**
9. Load the VisionEval startup code:
 - a. In R: **library(VEStart)**
10. Start VisionEval, providing the “home” and “runtime” locations:
 - a. In R: **startVisionEval(ve.home=getwd(),ve.runtime=getwd())**
 - b. (the “getwd” command just returns the current folder)
11. VisionEval should start and populate your folder with the required startup files.
 - a. An image of what the folder looks like after having done the initial startup (the icons next to the file names may be different on your computer):



12. Use the R q() or quit() command to exit R:
 - a. In R: **q()**
13. To launch VisionEval subsequently, just double click the highlighted batch file:
 - a. **“launch_R4.6.1.bat”**
14. Alternatively, if you have RStudio installed (a common alternative interface for R), you can double-click the VisionEval.Rproj file.