

User's Web Browser

User selects data files and analysis options in a web form and submits the form to the web server.

Output from R is displayed to the user, typically as a new web page.

Web Server

R.cgi

- 1) Submitted form data is stored in environment variables.
- 2) R is called to run the desired R script.
- 3) Output from R is captured by the R.cgi script; when R exits, output from R is sent to the web browser.

R

- 1) Submitted data is read from environment variables and stored in native R variables.
- 2) Data is processed in R; R script outputs HTML which will be returned to the user's web browser.