



DATA VISUALIZATION WITH R

See biology differently. Learn how to turn complex biological data into clear, compelling visuals.

The screenshot shows a user interface for a platform called HackBio. On the left, there's a sidebar with a green header containing the 'HB' monogram and the text 'HackBio'. Below this are several menu items: 'Dashboard' (with a bar chart icon), 'Internships' (highlighted with a green background and a bar chart icon), 'Internship Courses' (with a book icon), 'Career Paths' (with a gear icon), and 'CP Courses' (with a gear icon). To the right of the sidebar, there's a main content area with a light gray header featuring two buttons: 'Upcoming Internships' and 'Explore Career Paths'. Below the header, a welcome message 'Welcome back, Tbusayo' is displayed next to a yellow hand icon. Underneath it, the text '-- Your Internships' is visible. A large green-bordered box contains the course information: 'Data Visualization in Bio (vizbio)' with a bar chart icon, a description 'See biology differently. Learn how to turn complex biological data into clear, compelling visuals.', and a green 'Proceed' button at the bottom.

HB HackBio

Dashboard

Internships

Internship Courses

Career Paths

CP Courses

Upcoming Internships Explore Career Paths

Welcome back, Tbusayo

-- Your Internships

Data Visualization in Bio (vizbio)

See biology differently. Learn how to turn complex biological data into clear, compelling visuals.

Proceed



My First R Studio Exploration

- I wrote a simple script to print my favorite gene and organism

The screenshot shows the RStudio interface with the following components:

- Script:** A blue arrow points to the left pane where the R script is displayed. The script content is as follows:

```
1 # Simple R script to print personal and biological information
2
3 name <- "Busayo Tofio"
4 affiliation <- "a researcher at the University of Ibadan"
5 favorite_gene <- "blaCTX-M"
6 organism <- "Escherichia coli"
7
8 output <- paste(
9   "Hi, my name is", name,
10  ",", affiliation,
11  ". My favorite gene is", favorite_gene,
12  "in", organism, "."
13 )
14
15 print(output)
16
17
```

- Output:** A blue arrow points to the bottom-left pane, the Console, which shows the execution of the script and its output. The output is:

```
> source("~/HACKBIO/hackbio28.R")
[1] "Hi, my name is Busayo Tofio , a researcher at the University of Ibadan . My fa
vorite gene is blaCTX-M in Escherichia coli ."
> |
```

The RStudio interface includes the following panes:

 - Environment:** Shows global variables and their values.
 - History:** Shows the command history.
 - Connections:** Shows available connections.
 - Tutorial:** Shows the R tutorial.
 - Console:** Shows the R session and output.
 - Plots:** Shows any plots generated.
 - Packages:** Shows available packages.
 - Help:** Shows help documentation.
 - Viewer:** Shows any viewer output.
 - Presentation:** Shows presentation options.

The system tray at the bottom right shows the date (1/22/2026), time (9:18 PM), battery level (13%), and system status icons.