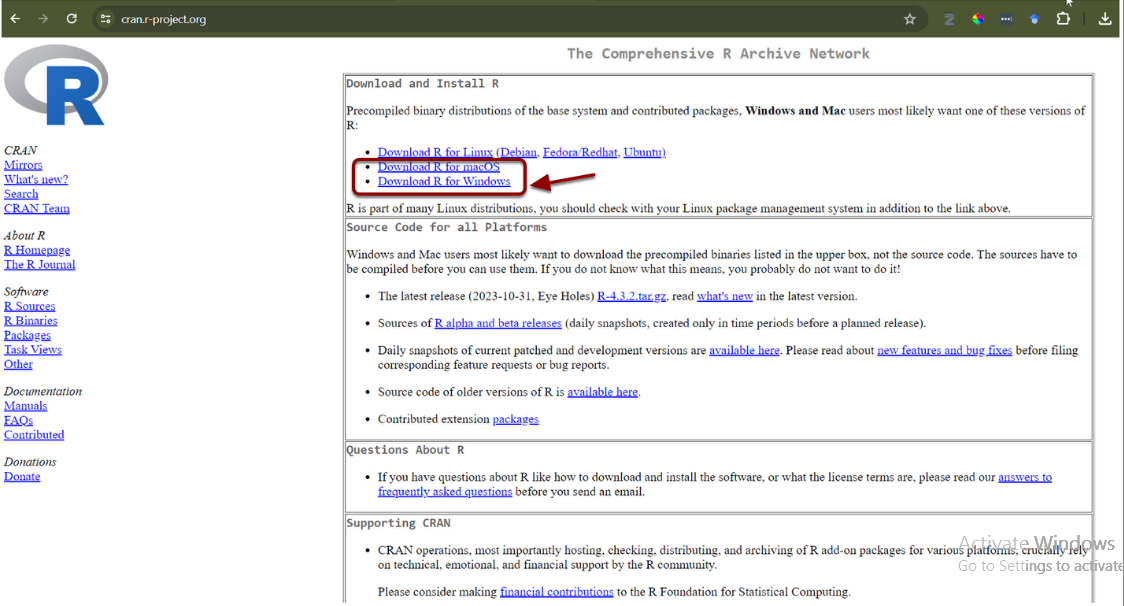
**INSTALLING R AND BASIC OPERATIONS**

1. **INSTALLING R SOFTWARE**

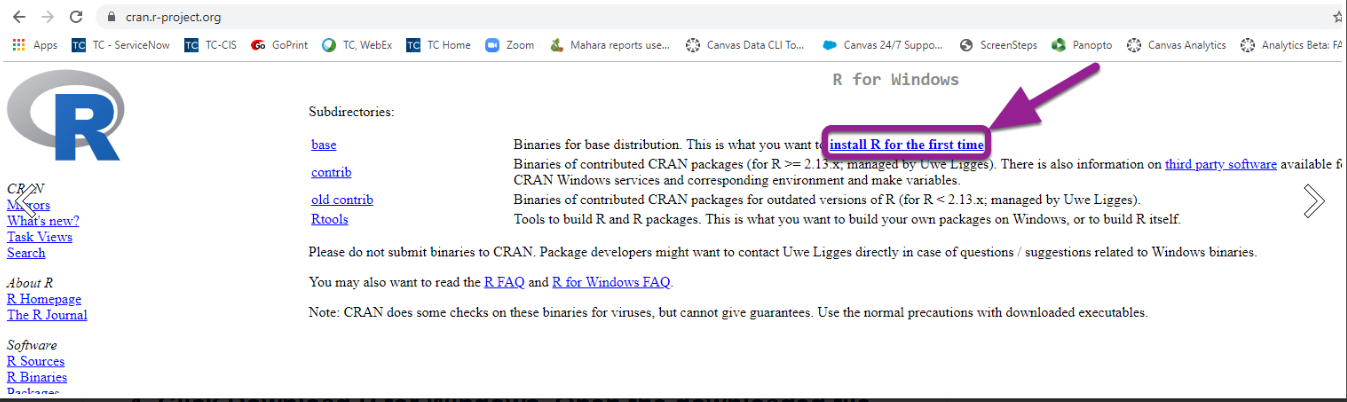
**1. To install R, go to cran.r-project.org**



## 2. Choose for Download R for Windows



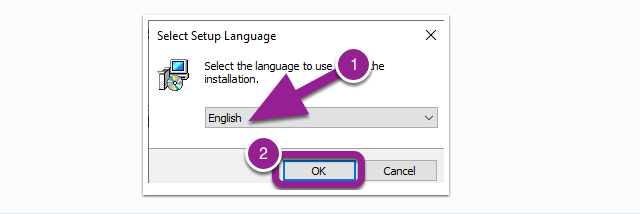
## 3. Install R Click on install R for the first time.



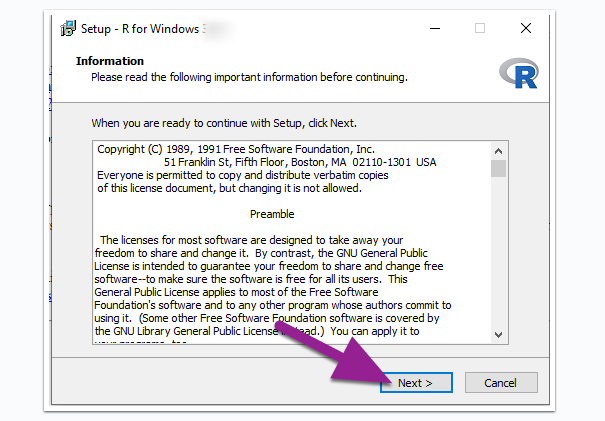
## 4. Click Download R for Windows. Open the downloaded file.

## 

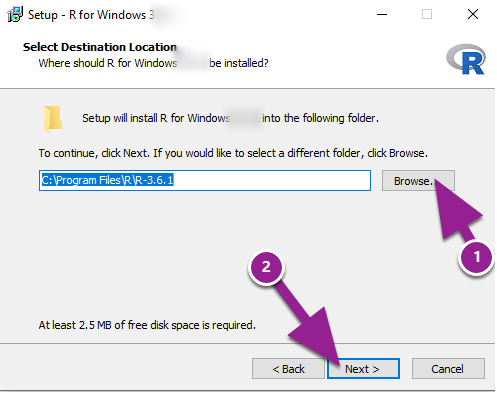
## 5. Select the language. Then click OK.



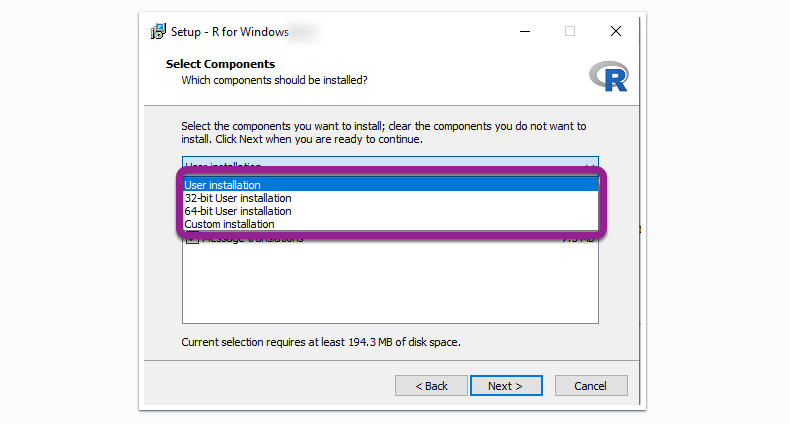
## 6. Click Next

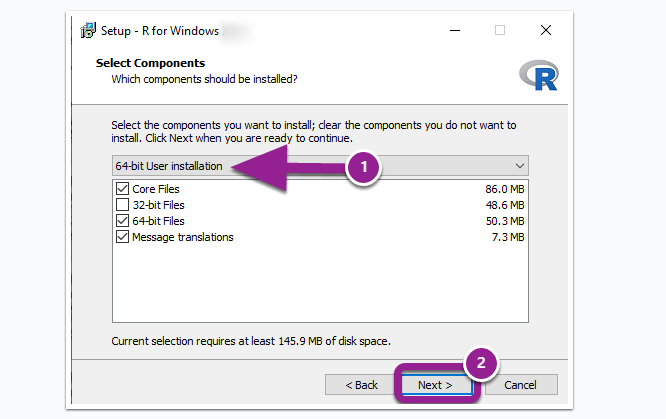


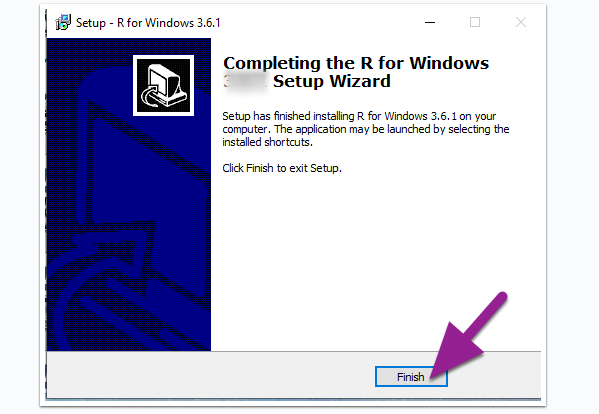
## 7. Select the Directory where the R dependencies should be located.



## 8. Choose the installation type.

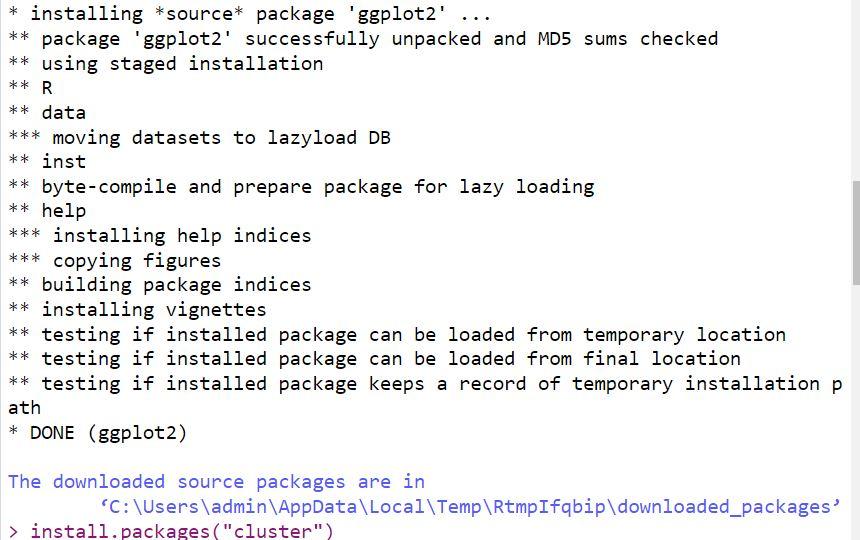






1. **INSTALLING R PACKAGE**

Installing ggplot2 package

****

1. **R-BASIC OPERATIONS**

cat("\n1. VARIABLES & DATA TYPES \n")

num\_var <- 10 # Numeric (double)

int\_var <- 10L # Integer

char\_var <- "Hello" # Character string

bool\_var <- TRUE # Logical

complex\_var <- 2 + 3i # Complex number

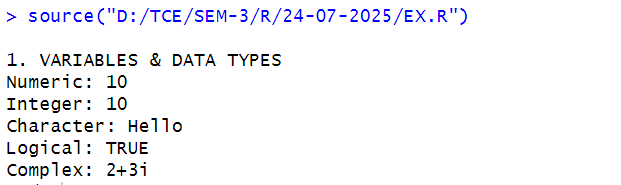
cat("Numeric:", num\_var, "\n")

cat("Integer:", int\_var, "\n")

cat("Character:", char\_var, "\n")

cat("Logical:", bool\_var, "\n")

cat("Complex:", complex\_var, "\n")



cat("\n2. DATA FRAMES n")

df <- data.frame(Name=c("Alice", "Bob", "Charlie"),

Age=c(25, 30, 35),

Score=c(85, 90, 95))

print(df)

cat("Access Age column:", df$Age, "\n");

