



## UTAustinX: UT.7.10x Foundations of Data Analysis - Part 1



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## Welcome to R!

Let's review the R basics learned in tutorial Video 1 and Video 2. You can take this quiz as often as needed to reach the correct answers.

(4/4 points)

1. Match each window with its location in R studio.

script window

upper left window ▼



Answer: upper left window

console

lower left window ▼



Answer: lower left window

workspace/environment

upper right window ▼



Answer: upper right window

file directory

lower right window ▼



Answer: lower right window

### EXPLANATION

(1/1 point)

2. R can be used as a basic **calculator**. What will R return when the following value is typed in the console window?

 $6^2+2$ 

38



Answer: 38

38

► Week 3:  
Bivariate  
Distributions

► Week 4:  
Bivariate  
Distributions  
(Categorical  
Data)

### EXPLANATION

(1/1 point)

3. You can assign values to **objects** in R. Which of the following lines of code assigns the value  $6^2+2$  to the **object** `x`?

☒ `x <- 6^2+2` ✓

☐ `x -> 6^2+2`

☐ `x == 6^2+2`

(1/1 point)

4. What value would R return if you called your new object, `x`, in the following line of code?

`x^2`

1444

✓ Answer: 1444

1444

(1/1 point)

5. When you create an object in R Studio, where does that object (and its contents) appear?

☐ console

☒ workspace (or environment) ✓

☐ file directory

☐ script window

(1/1 point)

6. You can write **comments** in your code to help you remember what each line of code does. What symbol precedes a **comment**?

☐ %☐ @☐ &☒ # ✓

(1/1 point)

7. Look at the following line of code. What would you see in the console window after running this code?

```
#Assign the value 6+2 to x
```

```
x <- 6+2
```

☐ You would see an error statement.☐ You would see the value 8.☒ You would see the two lines of code exactly as they appear here. ✓

(1/1 point)

8. If you want R to return the value of x in the console window, what additional line of code would you need to add?

☐ #x☐ show x☒ x ✓

(1/1 point)

9. The following line of code is an example of what?

`sqrt(x^2)`

☐ an object

☐ a data point

☒ a function ✓

(1/1 point)

10. What value would R return for `sqrt(x^2)`?

☐ 64

☒ 8 ✓

☒ x ✓

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