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**coursera**

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Understand basic programming concepts

Explore coding in R

Learning about R packages

Explore the tidyverse

Weekly challenge 2



Reading: ReadingGlossary: Terms and definitions

Duration: 5 minutes5 min



Quiz: Weekly challenge 2

8 questions

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# Weekly challenge 2

Quiz40 minutes • 40 min

[Review Learning Objectives](#)



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**Weekly challenge 2**

Graded Quiz. • 40 min

**Due**Apr 30, 11:59 PM PST



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1.

Question 1

Which of the following are examples of variable names that can be used in R?

1 / 1 point

☐☐

`value(2)`

☐☐

`value-2`

☒☐

`value_2`

☐☐

`value%2`



**Correct**

2.

Question 2

Which of the following statements about vectors in R are correct? Select all that apply.

1 / 1 point

☐☐

All data must be stored in vectors.

☐☐

Data elements are defined using curly braces.

☒☐

Data elements are stored in a sequence.

☒

**Correct**

Review [the video that discusses vectors](#).

☒☐

All data elements must have the same data type.

☒

**Correct**

### 3.

#### Question 3

An analyst comes across dates listed as strings in a dataset. For example, December 10th, 2020. To convert the strings to a date/time data type, which function should the analyst use?

0 / 1 point

☐☐

`mdy()`

☐☐

`now()`



`lubridate()`



`datetime()`



**Incorrect**

Review [the reading on dates and times](#).

4.

Question 4

A data analyst wants to store a vector in a variable. What type of operator would they use to do this?

1 / 1 point



Relational



Arithmetic



Logical



Assignment



**Correct**

5.

Question 5

Which of the following is a best practice when naming functions in R?

1 / 1 point

☐☐

Function names should be very long

☐☐

Function names should be capitalized

☒☐

Function names should be verbs

☐☐

Function names should start with a special character



Correct

6.

Question 6

In R, what includes reusable functions and documentation about how to use the functions?

1 / 1 point

☒☐

Packages

☐☐

Comments



Pipes



Vectors



Correct

7.

Question 7

What is the name of the popular package archive dedicated to supporting R users authentic, validated code?

1 / 1 point



The tidyverse



Python



The CRAN archive



The RStudio website



Correct

8.

Question 8

A data analyst is reviewing some code and finds the following code chunk:

```
mtcars %>%
```

```
  filter(carb > 1) %>%
```

```
    group_by(cyl) %>%
```

What is this code chunk an example of?

1 / 1 point

☐☐

Nested function

☒☐

Pipe

☐☐

Vector

☐☐

Data frame



Correct