

Unit 4 - Week 2

Course outline

How does an NPTEL online course work?

Practice Assignment

Week 1

Week 2

- Lecture 8: Module: Introduction to R
- Lecture 9: R : Demos and getting help
- Lecture 10: R as calculator and plotter: Diffusivity, scaled temperatures
- Lecture 11: R as calculator and plotter: Diffraction, configurational entropy
- Lecture 12: Data in tabular form: Properties of elements
- Lecture 13: Tabular data in R: alternate methodology
- Lecture 14: Dataframe in R: Properties of elements
- Lecture 15: R libraries for plotting
- Lecture 16: Importing and plotting data
- Lecture 17: Property charts: Importing and plotting data
- Lecture 18: Introduction to R: Summary of the module

Quiz : Assignment 2

- Download Videos
- Weekly Feedback
- Assignment 2 Solution
- New Lesson

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Text Transcripts

Assignment 2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

1) Use help to get more information about the command `unlink`. What does this command do? 1 point

- Remove previously stored information.
- Save previously stored information
- Set working directory
- Get working directory

No, the answer is incorrect.
Score: 0

Accepted Answers:
Remove previously stored information.

2) Use help to get more information about the commands `head` and `tail`. Specifically, how many lines of the corresponding data do these commands return, by default? 1 point

- head returns top 6 lines and tail returns last 6 lines of the given dataset
- head returns top 4 lines and tail returns last 4 lines of the given dataset
- head returns top 2 lines and tail returns last 2 lines of the given dataset
- head returns top 5 lines and tail returns last 5 lines of the given dataset

No, the answer is incorrect.
Score: 0

Accepted Answers:
head returns top 6 lines and tail returns last 6 lines of the given dataset

3) Invoke the library `ggplot2`. Using the help command, identify the kind of plot that is generated by the command `geom_point()`. 1 point

- Scatter plot
- Histogram
- Box and whisker plot
- Pie-chart

No, the answer is incorrect.
Score: 0

Accepted Answers:
Scatter plot

4) The lecture video describes a dataset called `elements` and in order to plot the dataset, the following code snippet was used. What is the purpose of using command `factor()` in the given code? 1 point

```
1 plot(Y~X,xlab="Density",ylab="Melting point",col=factor(elements$Crystal.Structure))
```

- To club data points of the same category
- Pattern matching of the variable
- Combine different vector
- Repeating the data

No, the answer is incorrect.
Score: 0

Accepted Answers:
To club data points of the same category

5) Use the help command to learn about the command `dev.off()`. What does this function call return? 1 point

- Closes (by default) the current device used for plotting.
- Delete the plot.
- Save the plot.
- Overwrite the plot

No, the answer is incorrect.
Score: 0

Accepted Answers:
Closes (by default) the current device used for plotting.

6) The command for installing packages in R is 1 point

- `install.packages("packagename")`
- `library("packagename")`
- `install.library("packagename")`
- `intall.swirl("packagename")`

No, the answer is incorrect.
Score: 0

Accepted Answers:
`install.packages("packagename")`

7) Which of the following functions can be used for creating a vector? 0 points

- `c()`
- `seq()`
- `rep()`
- `str()`

No, the answer is incorrect.
Score: 0

Accepted Answers:
`seq()`

8) What does the `grep()` function do? 1 point

- Pattern matching
- Sort the alphabets in decreasing order
- Split text
- Concatenate text

No, the answer is incorrect.
Score: 0

Accepted Answers:
Pattern matching

9) The list of preloaded datasets in R is invoked by: 1 point

- `data()`
- `numeric.data()`
- `as.list()`
- `list()`

No, the answer is incorrect.
Score: 0

Accepted Answers:
`data()`

10) Which of the following is the plot of the preloaded dataset `Nile`: 1 point

No, the answer is incorrect.
Score: 0

Accepted Answers:

