

1. Say True or False for the below statements:

- Prescriptive Analytics used to predict the future outcomes?

**True**

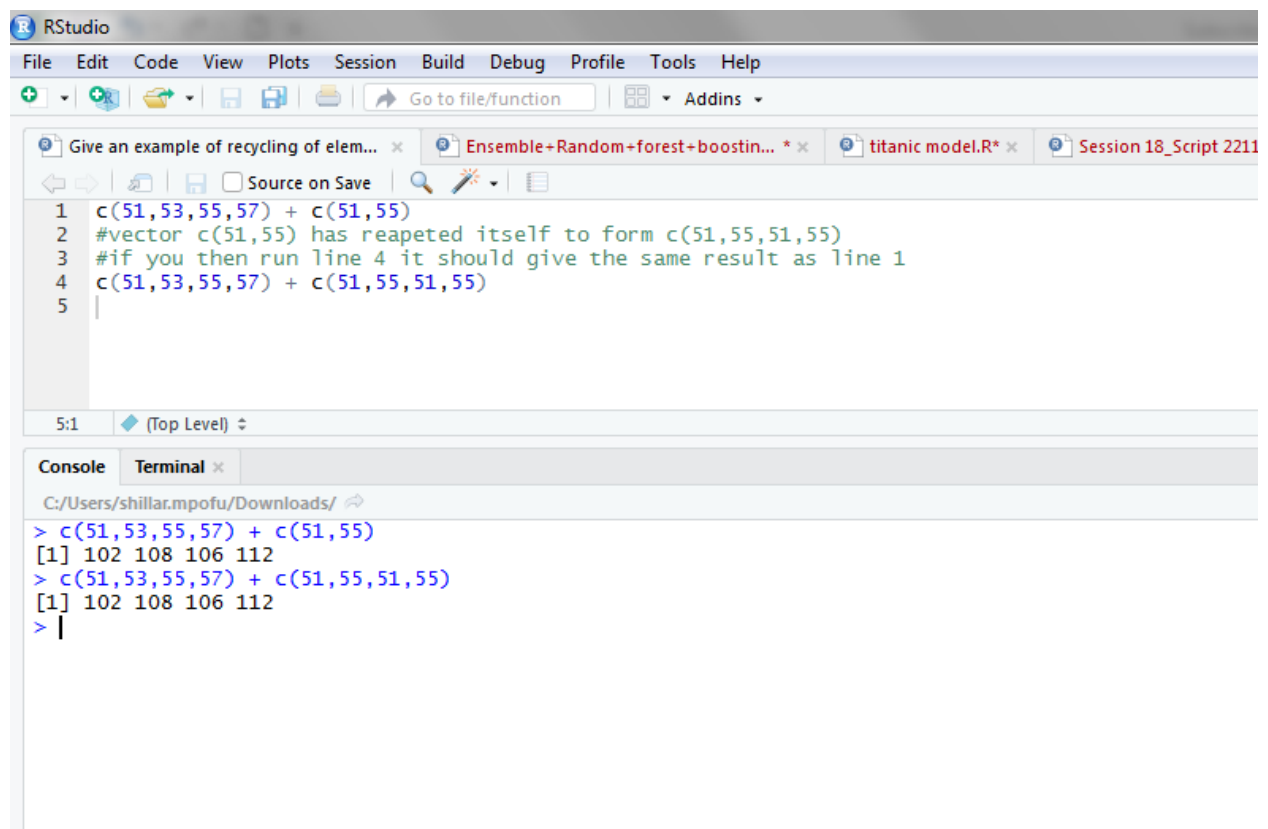
- Base R packages installed automatically?

**False**

2. What is Recycling of elements in a vector?

**This is when R automatically recycles, or repeats, the elements of the shorter Vector. R takes the shorter vector and repeats them until it becomes long enough to match the longer one.**

3. Give an example of recycling of elements.

A screenshot of the RStudio interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, and Help. Below the menu is a toolbar with icons for file operations and a search bar. The main editor window shows a script with the following code:

```
1 c(51,53,55,57) + c(51,55)
2 #vector c(51,55) has repeated itself to form c(51,55,51,55)
3 #if you then run line 4 it should give the same result as line 1
4 c(51,53,55,57) + c(51,55,51,55)
5
```

The console window at the bottom shows the output of the code:

```
> c(51,53,55,57) + c(51,55)
[1] 102 108 106 112
> c(51,53,55,57) + c(51,55,51,55)
[1] 102 108 106 112
>
```