

Hands on exercise on R

Day 1

1. Simple Operations

- Enter the data {2,5,3,7,1,9,6} directly and store it in a variable x.
- Find the number of elements in x, i.e. in the data list.
- Find the last element of x.
- Find the minimum element of x.
- Find the maximum element of x.

2. Enter the data {1, 2, ... ,19,20} in a variable x.

- Find the 3rd element in the data list.
- Find 3rd to 5th element in the data list.
- Find 2nd, 5th, 6th, and 12th element in the list.
- Print the data as {20, 19, ..., 2, 1} without again entering the data.

3.

- Create a data list (4, 4, 4, 4, 3, 3, 3, 5, 5, 5) using 'rep' function.
- Create a list (4, 6, 3, 4, 6, 3, ..., 4, 6, 3) where there 10 occurrences of 4, 6, and 3 in the given order.
- Create a list (3, 1, 5, 3, 2, 3, 4, 5, 7, 7, 7, 7, 7, 7, 6, 5, 4, 3, 2, 1, 34, 21, 54) using one line command.
- First create a list (2, 1, 3, 4). Then append this list at the end with another list (5, 7, 12, 6, -8). Check whether the number of elements in the augmented list is 11.

4.

- Print all numbers starting with 3 and ending with 7 with an increment of 0:0.5. Store these numbers in x.
- Print all even numbers between 2 and 14 (both inclusive)
- Type 2*x and see what you get. Each element of x is multiplied by 2.