

TMC 204

Statistical Data Analysis with R

Unit 3

Exporting Data from R

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Graphic Era Deemed to be University

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In this lecture we will learn

- Output data to console
- Output data to files
- Export data into text/ CSV files
- Save R objects

Output data to Console

We will Output data to the console with the help of following functions:

- print
- cat
- paste
- paste0
- sprintf

print()

It is a basic function as its name says it print its arguments

Syntax:

```
print(x,...)
```

Returns:

Print its arguments

Document:

```
help(print)
```

examples of print()

```
> x<-3
```

```
> print(x)
```

```
[1] 3
```

```
> x
```

```
[1] 3
```

```
> fname<-"Aditya"
```

```
> lname<-"Joshi"
```

```
> print(fname,lname)
```

```
Error in print.default(fname, lname) : invalid 'digits' argument
```

```
In addition: Warning message:
```

```
In print.default(fname, lname) : NAs introduced by coercion
```

```
> print(c(fname,lname))
```

```
[1] "Aditya" "Joshi"
```

```
> print(paste(fname,lname))
```

```
[1] "Aditya Joshi"
```

cat()

cat() concatenates its arguments and then output them.

Syntax:

```
cat(..., file="", sep="", fill=FALSE, labels=NULL, append=FALSE)
```

Returns:

Concatenates and outputs its arguments

Documentation:

```
help(cat)
```

examples of cat()

Output to console

```
> name<-"Aditya"
```

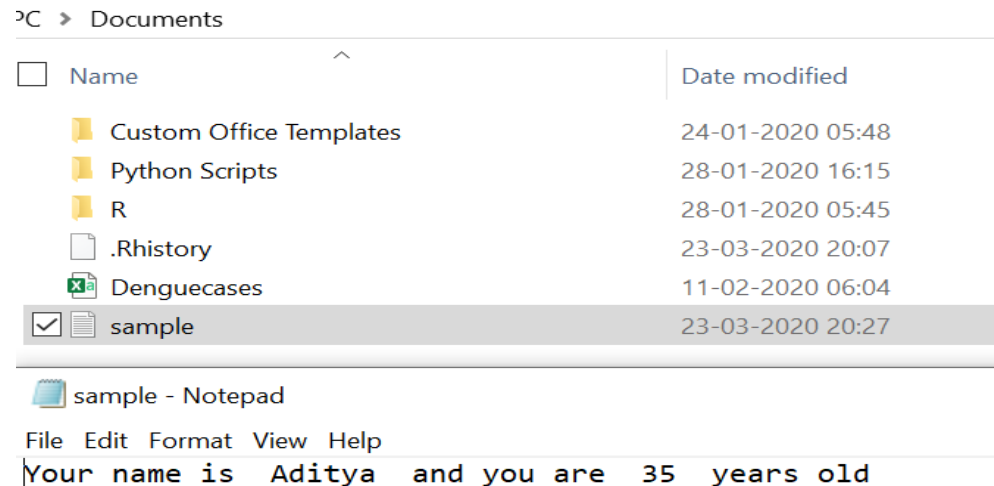
```
> age<-"35"
```

```
> cat("Your name is ", name, " and you are ", age, " years old ")
```

Your name is Aditya and you are 35 years old

Output to file

```
> cat("Your name is ", name, " and you are ", age, " years old ", file="sample.txt")
```



Difference between print and cat

```
> print(fname,lname)
```

Error in print.default(fname, lname) : invalid 'digits' argument

In addition: Warning message:

In print.default(fname, lname) : NAs introduced by coercion

```
> cat(fname,lname)
```

Aditya Joshi

Sources of lecture

Slideshare:r-squared.in