For R beginners who are familiar with other programming languages, the most basic functions and attributes may be the most unintuitive part. These basic information are often scattered in multiple webpage, which make searching inconvenient. So I make this cheatsheet for quicker look up..

READ & WRITE DATA				
read.table(file) / read.csv()	write.table(x) / write.csv()			
read text files which data are stored in rows and columns, return a data frame. prints x (after converting data frame) to a file				
difference: default separater table: space; csv: comma				
readLines(file)	writeLines()			
reading lines of text file	writing line by line to text file			
source(file)	dump(file)			
reading in R code files	dumping a textual representation of multiple R objects			
dget(file)	dput(file)			
reading in R code files	outputting a textual representation of an R object			
load(file)	save(file)			
for reading binary option	Saving an arbitray number of R objects in binary formate to a file			
unserialize(file)	serialize(file)			
reading R objects in binary form	Saving an R object in binary formate to a file			
Using readr Package				
read_table("file_name")				
read_csv("file_name")				

Libraries
Libraries
install.packages('package_name')
library('package_name')
data(built_in_dataset)
Package::dataset

		Python		R
Assign \	/alue	X = value		X <- value
Explicit P	rinting	print(x)		print(x)
Integer Se	equence	range(1, 11)		1:10
Creating \	/ectors	np.array()		c(v1, v2, v3)
Create Ma	trices	np.zeros((2, 3))		<pre>matrix(nrow= 2, ncol= 3)</pre>
Matrices Di	imension	np.shape		dim(matrix)
For Loop	for val in sequence: Do Somethine		<pre>for (val in sequence) { Do something }</pre>	
While Loop	while expression: Do Somethine		while (expression){ Do something }	
If Statement if expression: Do something else: Do something else		<pre>if (expression){ Do something } else { Do something else }</pre>		
def function_name(parameters): "function_docstring" function_suite return [expression]		Do	<pre>ion_name <-function(var){ something urn(expression)</pre>	

	Atomic Classes
logical	
numeric	
character	
integer	
complex	

Math Functions		
log()	sum()	
log() exp() max()	mean()	
max()	var()	
min()	sd()	