

# Data import/export in R Cheat Sheet

by yuesir via cheatography.com/191375/cs/39779/

#### Abstract

In the process of learning programming, utilizing well-organized cheatsheets is a valuable technique. This "Data Import/Export in R" cheatsheet offers a quick reference guide for efficiently handling different file types in R. It covers importing and exporting CSV, TXT, XLS, XLSX, TSV, RDS, RDA, JSON, XML, images (JPG/P-NG/TIFF/BMP), audio (MP3), video (MP4), HDF5, and netCDF files. Each slide provides concise R code for reading and writing specific file formats. This cheatsheet aims to empower learners with the necessary knowledge to manipulate and analyze diverse datasets effectively using R's data import/export capabilities..

#### Introduction

R is a powerful programming language for data analysis.

Efficient data import/export is crucial for data manipulation and analysis.

This cheatsheet provides quick reference on reading/writing various file types in R.

## Conclusion

Proper data import/export enhances R's data analysis capabilities.

Use this cheatsheet as a handy reference guide in your R programming journey.

## Thank You

Thank you for using this "Data Import/Export in R" cheatsheet.

For more resources, visit my website[http-s://vccv.cc].

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By **yuesir** cheatography.com/yuesir/

CSV		TSV/RDS/RDA		
Import	Export	TSV	RDS	RDA
read.c sv( file,	write.c sv(x,	Read TSV: read	Read RD	S: Read
header = TRUE,	file = " ",	.t able()	readRDS	() RDA: att
sep = " ",	append = FALSE,	,		ach()
<pre>comment.char = " ",</pre>	sep = " ",	Write TSV: writ	Write RDS	S: saveRDS()
	row.names = TRU	<sup>UE</sup> v.t able()		
)	)	IOONINA!	-	
File:	X:	JSON/XML		
the name of the file which the data are to be read	the object to be writ	renson		XML
from.	data frame.	or Read JSON: json1	li te:	Read XML: XMI
		:fr omJ SON()		ree Parse(
TXT		Write JSON: json1	li te:	Write XML: XMI
Import	Export	:to JSON()		XML()
read.t abl e(file,	write.t ab le(	× XI S/XI SX		
	file = " ",			VI CV
sep = " ",	append = FALSE,	•		XLSX
<pre>comment.char = " ",</pre>	sep = " ",	Read XLS: readxl	::r e	Read XLSX: 1
	row.names = TRU			ead _xlsx(
)	)	Write XLS: writex	: 1:: W	Write XLSX: w
File:	X:	ri te_ xlsx()		wri te_ xl
the name of the file which the data are to be read	the object to be writ preferably a matrix	Incomo / Acadio		
from.	data frame.	Image	Aud	dio
Code: read.table(file,	Code: write.table(x,	Read Images: jpeg	r:: Rea	ad Audio: tunel
header=TRUE)	export.txt)	rea dJPEG(), pi		
		:r ead PNG(),t:	iff	
Video/HDF5/netCDF		:: rea dTIFF()	, bm	
Video	HDF5	p::r ead BMP()		
Read Video: videop lay	R Read HDF5: hd	lfWrite Images: jpe	g:: Wri	te Audio: tune
:: rea dMP4()	h5 read()	wri teJ PEG(),	pn :wi	r ite MP3()
Write Video: videop lay	R Write HDF5: hd	lf%i∵w:rit ePNG(	),t	
:: wri teMP4()	h5 write()	iff:: wri teT		
netCDF		(), bmp::w rit	eBM	

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Read netCDF: ncdf4: :nc - Write netCDF: ncdf4:

:nc var put()

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