

How can I import SAS files into R using a step-by-step process?

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The process of importing SAS files into R involves several steps that must be followed in order to successfully transfer the data. Firstly, the SAS file must be converted into a CSV format, which can be done using the "export" function in SAS. Once the file is in CSV format, it can be easily imported into R using the "read.csv()" function. Another option is to use the "foreign" package in R, which has a function specifically designed for importing SAS files. This package can be installed and loaded into R using the "install.packages()" and "library()" functions respectively. Once the package is loaded, the "read.ssd()" function can be used to directly import the SAS file into R. It is important to make sure that the file path is correctly specified in the function. By following these steps, users can successfully import SAS files into R for further analysis and manipulation.

Import SAS Files into R (Step-by-Step)

The easiest way to import SAS files into R is to use the `read_sas()` function from the library.

This function uses the following basic syntax:

```
data                                     <-  
read_sas('C:/Users/User_Name/file_name.sas7bdat')
```

The following step-by-step example shows how to import a SAS file into R in practice.

Step 1: Download a SAS Data File

For this example, we'll download the SAS file called `cola.sas7bdat` from .

SAS dataset files (*.sas7bdat)

Example: Download the dataset into a subdirectory, such as c:\data\sas. Load the data set "airline" into SA

```
data airline; set "c:\data\sas\airline"; proc contents; run;
```

Recommendation: View the Movies under "SAS Starter Kit" at <http://www.ats.ucla.edu/stat/sas/>

Download all the SAS files in (a) [ZIP format](#) or (b) a [self-extracting EXE](#) file (download and double-cli

Select individual SAS files from the table below.

airline	cola	gold	meat	profits	tax
alcohol	cola2	golf	medical	pub	tax2
andy	commute	growth	metrics	pubexp	term
asparas	computer	grunfeld	mexico	qtm	texas
bangla	consumption	grunfeld2	mining	quizzes	theories
beer	cps	grunfeld3	money	returns	tobit
bond	cps_small	hhsurvey	monop	rice	tobitmc
br	cps1	hip	mroz	robbery	toodyay
br2	cps2	house_starts	music	salary	transport
broiler	crime	housing	nels	sales	truffles
brumm	csi	hwage	nels_small	savings	tuna
byd	demand	indpro	newbroiler	share	uk
canada	demo	inflation	nls	sheep	unit
capm2	edu_inc	insur	nls_panel	sirmans	usa
cars	euro	ivreg1	nls_panel2	sp	utown
cattle	exrate	ivreg2	oil	spurious	vacan
ces	fair	jobs	olympics	sterling	vacation
cespro	figureC-3	korea	orange	stockton	var
ch10	florida	learn	oscar	stockton2	vec
chard	food	liquor	oz	stockton96	vote
cloth	fullmoon	lon1	phillips	surplus	vote2
clothes	fultonfish	lon2	phillips2	table2-2	wa-wheat
coal	gascar	lond_small	pilots	table-c2	yield
cobb	gasga	london	pizza	table-c3	
cocaine	gdp	manuf	pro	table-c4	

Step 2: Install haven Package

Next, we'll install the haven package in R:

```
install.packages('haven')
```

We'll then load the package:

```
library(haven)
```

Step 3: Import the SAS File

Next, we'll use the `read_sas()` function to import the SAS file:

```
data <-  
read_sas('C:/Users/bob/Downloads/cola.sas7bdat')
```

Once we've imported the SAS file, we can get a quick summary of the data:

#view class of data

```
class(data)
```

```
"tbl_df" "tbl" "data.frame"
```

#display dimensions of data frame

```
dim(data)
```

```
5466 5
```

#view first six rows of data

```
head(data)
```

```
ID CHOICE PRICE FEATURE DISPLAY
```

```
1 1 0 1.79 0 0
```

```
2 1 0 1.79 0 0  
3 1 1 1.79 0 0  
4 2 0 1.79 0 0  
5 2 0 1.79 0 0  
6 2 1 0.890 1 1
```

The following tutorials explain how to import other file types into R:

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