

CSV, Excel, and TSV Files



Getting Data

CSVs

Each column separated
by a comma

sample_data.csv — Edited

```
name, height, blood_type  
Natasha, 5'2", A-  
Hassan, 6', B-  
Chun, 5'8", 0
```

Has the
extension
".csv"

Each row is separated
by a new line





sample_data



File Edit View Insert Format Data T



100% ▾

\$

%

.0 ←

.00 →

1

fx

	A	B	C
1	name	height	blood_type
2	Natasha	5'2"	A-
3	Hassan	6'	B-
4	Chun	5'8"	O





sample_data



File Edit View Insert Format Data Tools Add-ons Help [All changes saved](#)

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New

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Import...

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Email as attachment...

Version history

Rename...

Move to...

Move to trash

Microsoft Excel (.xlsx)

OpenDocument format (.ods)

PDF document (.pdf)

Web page (.html, zipped)


Comma-separated values (.csv, current sheet)


Tab-separated values (.tsv, current sheet)


		%	.0	.00	123	Arial	10	B
		C	D	E				
		blood_type						
1	na	A-						
2	Na	B-						
3	Ha	O						
4	Ch							
5								
6								
7								
8								
9								
10								
11								
12								
13								





FilesPlotsPackagesHelpViewer


 New Folder

 Upload


 Delete

 Rename




 More ▾



☐ > / > cloud > project



...

	▲ Name	Size	Modified
	 ..		
<input type="checkbox"/>	 .Rhistory	0 B	Apr 20, 2018, 1
<input type="checkbox"/>	 project.Rproj	205 B	May 2, 2018, 2

Select a file to open



Downloads



AZ



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My Drive

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Offline

Downloads

Recent

Name

Size

Type

Date modified



Screenshot 2018-05-02 at 2.19.17 PM....

105 KB

PNG image

Today 2:19 PM



Screenshot 2018-05-02 at 2.17.42 PM....

233 KB

PNG image

Today 2:17 PM



sample_data - Sheet1.csv

174 bytes

CSV file

Today 2:16 PM

1

2

OPEN

CANCEL

```
Console Terminal x Jobs x
/cloud/project/
> library(readr)
>
> ## read CSV into R
> df_csv <- read_csv("sample_data - Sheet1.csv")
Parsed with column specification:
cols(
  name = col_character(),
  height = col_character(),
  blood_type = col_character()
)
>
> ## look at the object
> head(df_csv)
# A tibble: 3 x 3
  name height blood_type
<chr> <chr> <chr>
1 Natasha "5'2\" A-
2 Hassan 6' B-
3 Chun "5'8\" 0
>
```

Environment History Connections

Import Dataset

Global Environment

Data

df_csv 3 obs. of 3 variables

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

/ > cloud > project

	Name	Size	Modified
	..		
	.Rhistory	0 B	May 25, 2018, 11:49 AM
	project.Rproj	205 B	Jul 5, 2018, 11:17 AM
	sample_data - Sheet1.csv	72 B	Jul 5, 2018, 11:19 AM

- - `col_names = FALSE` to specify that the first row does NOT contain column names
- - `skip = 2` will skip the first 2 rows.
- - `n_max = 100` will only read in the first 100 rows.





sample_data



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Move to trash

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123

Arial

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B

I

C

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E

F

blood_type

A-

B-

O

Microsoft Excel (.xlsx)

OpenDocument format (.ods)

PDF document (.pdf)

Web page (.html, zipped)

Comma-separated values (.csv, current sheet)

Tab-separated values (.tsv, current sheet)

```
Console Terminal x Jobs x
/cloud/project/
> library(readxl)
> df_excel <- read_excel("sample_data.xlsx")
> head(df_excel)
# A tibble: 3 x 3
  name    height blood_type
<chr>   <chr>   <chr>
1 Natasha "5'2\" A-
2 Hassan  6'    B-
3 Chun   "5'8\" 0
>
>
```

Environment History Connections

Import Dataset

Global Environment

Data

df_csv	3 obs. of 3 variables
df_excel	3 obs. of 3 variables

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

/ > cloud > project

	Name	Size	Modified
	..		
	.Rhistory	0 B	May 25, 2018, 11:49 AM
	project.Rproj	205 B	Jul 5, 2018, 11:17 AM
	sample_data - Sheet1.csv	72 B	Jul 5, 2018, 11:19 AM
	sample_data.xlsx	3.7 KB	Jul 5, 2018, 11:45 AM



sample_data



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Move to...



Move to trash

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123

Arial

10

B

I

fx

C

D

E

F

blood_type

A-

B-

O

Microsoft Excel (.xlsx)

OpenDocument format (.ods)

PDF document (.pdf)

Web page (.html, zipped)

Comma-separated values (.csv, current sheet)

Tab-separated values (.tsv, current sheet)

ConsoleTerminal xJobs x

/cloud/project/

> ## read TSV into R
> df_tsv <- read_tsv("sample_data - Sheet1.tsv")
Parsed with column specification:
cols(
 name = col_character(),
 height = col_character(),
 blood_type = col_character()
)
>
> ## look at the object
> head(df_tsv)
A tibble: 3 x 3
 name height blood_type
 <chr> <chr> <chr>
1 Natasha "5'2\" A-
2 Hassan 6' B-
3 Chun "5'8\" 0
>
>
> |

EnvironmentHistoryConnections

Import Dataset

Global Environment

Data

df_csv	3 obs. of 3 variables
df_excel	3 obs. of 3 variables
df_tsv	3 obs. of 3 variables
df_txt	3 obs. of 3 variables

FilesPlotsPackagesHelpViewer

New FolderUploadDeleteRenameMore

/ > cloud > project

	Name	Size	Modified
	..		
	.Rhistory	0 B	May 25, 2018, 11:49 AM
	project.Rproj	205 B	Jul 5, 2018, 11:17 AM
	sample_data - Sheet1.csv	72 B	Jul 5, 2018, 11:19 AM
	sample_data.xlsx	3.7 KB	Jul 5, 2018, 11:45 AM
	sample_data.txt	66 B	Jul 5, 2018, 12:09 PM
	sample_data - Sheet1.tsv	66 B	Jul 5, 2018, 12:24 PM

```
Console Terminal x Jobs x
/cloud/project/
> df_txt <- read_delim("sample_data.txt", delim = "\t")
Parsed with column specification:
cols(
  name = col_character(),
  height = col_character(),
  blood_type = col_character()
)
>
> ## look at the object
> head(df_txt)
# A tibble: 3 x 3
  name    height blood_type
<chr>   <chr>   <chr>
1 Natasha "5'2\" A-
2 Hassan  6'      B-
3 Chun   "5'8\" 0
>
> |
```

Environment History Connections

Import Dataset

Global Environment

Data

df_csv	3 obs. of 3 variables
df_excel	3 obs. of 3 variables
df_tsv	3 obs. of 3 variables
df_txt	3 obs. of 3 variables

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/ > cloud > project

Name	Size	Modified
..		
.Rhistory	0 B	May 25, 2018, 11:49 AM
project.Rproj	205 B	Jul 5, 2018, 11:17 AM
sample_data - Sheet1.csv	72 B	Jul 5, 2018, 11:19 AM
sample_data.xlsx	3.7 KB	Jul 5, 2018, 11:45 AM
sample_data.txt	66 B	Jul 5, 2018, 12:09 PM
sample_data - Sheet1.tsv	66 B	Jul 5, 2018, 12:24 PM

Console Terminal x Jobs x

/cloud/project/

```
> write_csv(df_csv, path = "my_csv_file.csv")  
>  
> |
```

Environment History Connections

Import Dataset

Global Environment

Data

df_csv	3 obs. of 3 variables
df_excel	3 obs. of 3 variables
df_tsv	3 obs. of 3 variables
df_txt	3 obs. of 3 variables

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

/ > / > cloud > project

	Name	Size	Modified
	..		
<input type="checkbox"/>	.Rhistory	0 B	May 25, 2018, 11:49 AM
<input type="checkbox"/>	project.Rproj	205 B	Jul 5, 2018, 11:17 AM
<input type="checkbox"/>	sample_data - Sheet1.csv	72 B	Jul 5, 2018, 11:19 AM
<input type="checkbox"/>	sample_data.xlsx	3.7 KB	Jul 5, 2018, 11:45 AM
<input type="checkbox"/>	sample_data.txt	66 B	Jul 5, 2018, 12:09 PM
<input type="checkbox"/>	sample_data - Sheet1.tsv	66 B	Jul 5, 2018, 12:24 PM
<input type="checkbox"/>	my_csv_file.csv	70 B	Jul 5, 2018, 12:29 PM