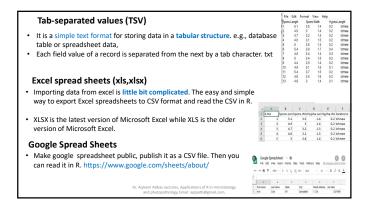
Importing and exporting data

R

Application of R-Programming in Plant Pathology and Microbiology: Lecture 4. Dr. Agleem Abbas

Dr. Aqleem Abbas Lectures, Applications of R in microbiologi and phytopathology. Email: aploath@email.com.

Background Data can be stored in a large variety of file formats. Each statistical package has its own format for data (xls for Microsoft Excel, dta for Stata, sas7bdat for SAS, TSV, CSV ...). SNo.Spore Length.Spore. Width.Hypha.Length.Hypha.Width.locations 1,513,514,02 (chose 249,314,02 (chose R can read almost all file formats. Comma-separated values (CSV) file It is a delimited text file that uses a comma to separate values. Several other CSVs such as CSV2 use other field delimiters, for example, semicolons. These include tab-separated values and space-separated values. Import csv files: read.table(), read.csv(), read.delim() Import csv2 files: read.csv2() and read.delim2() File Edit Format View Help Export csv files: write.table(), write.csv(), S.No:Spore.Length;Spore.Width;Hypha.Length;Hypha.Width;locations 1;5,1;3,5;1,4;0,2;Ichnee • Export csv2 files: write.csv2(), CSV2 file format 2;4,9;3;1,4;0,2;lchnee



File Type	Delimiter/Origin of dataset	function(s) to import data (package name)	function(s) to export data (package name)
.csv ,CSV	comma	read_csv (base), read_csv (readr)	write.csv (base), write_csv (readr)
depends (.txt , .csv)	tab	read.table , with sep = "\t"	<pre>write.table , with sep = "/t"</pre>
.xlsx	Excel sheet	read.xlsx (xlsx)	write.xlsx (xlsx)
.sav	SPSS	spss.get (Hmisc), read_sav (haven)	not advisable
.sas7bdat	SAS	sasxport.get (Hmisc), read_sas (haven)	not advisable
.dta	STATA	read_dta (foreign), read_ dta (haven)	not advisable

