

READMEs for Open Projects

Open Life Science • Week 4 Alex Chan • they/she

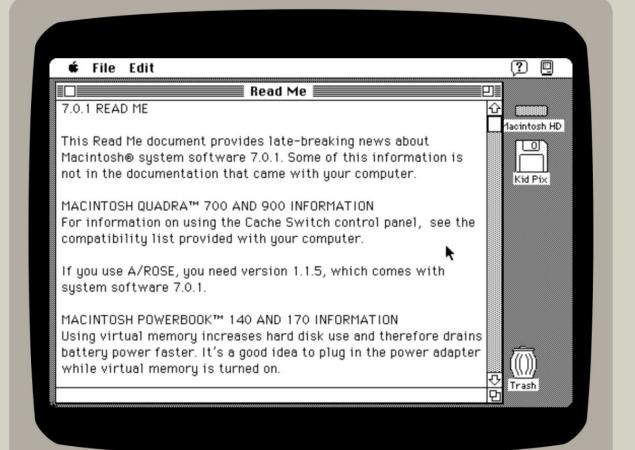
Slides: bit.ly/ols-readme









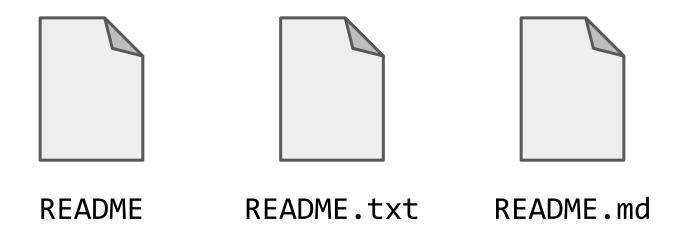








What is a README?





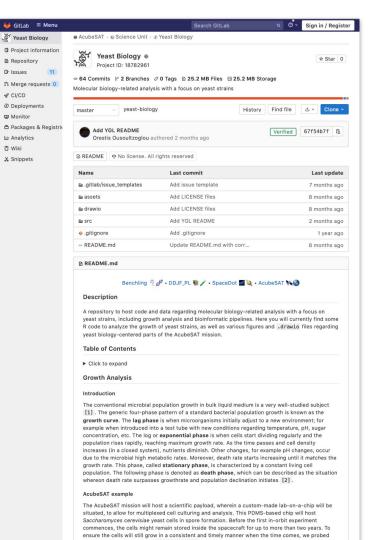
What is a README?



- What is this project?
- Who should use it?
- How do they get started?







D Issues

€ CI/CD

Monitor

X Snippets

□ Wiki

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readxl





Overview

The readxl package makes it easy to get data out of Excel and into R. Compared to many of the existing packages (e.g. gdata, xlsx, xlsReadWrite) readxl has no external dependencies, so it's easy to install and use on all operating systems. It is designed to work with *tabular* data.

readxl supports both the legacy .xls format and the modern xml-based .xlsx format. The libxls C library is used to support .xls , which abstracts away many of the complexities of the underlying binary format. To parse .xlsx , we use the RapidXML C++ library.

Installation

The easiest way to install the latest released version from CRAN is to install the whole tidyverse.

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```
install.packages("tidyverse")
```

NOTE: you will still need to load readxl explicitly, because it is not a core tidyverse package loaded via library(tidyverse).

Alternatively, install just readxl from CRAN:

```
install.packages("readxl")
```

Or install the development version from GitHub:

```
# install.packages("devtools")
devtools::install_github("tidyverse/readxl")
```

Cheatsheet

You can see how to read data with readyl in the data import cheatsheet, which also covers similar functionality in

Usage

```
library(readxl)
```

readxl includes several example files, which we use throughout the documentation. Use the helper readxl_example() with no arguments to list them or call it with an example filename to get the path.

read_excel() reads both xls and xlsx files and detects the format from the extension.

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powered by NumFOCUS Pypi downloads 84M/month Conda downloads 24M stackoverflow Ask questions

DOI 10.1038/s41592-019-0686-2

NumPy is the fundamental package needed for scientific computing with Python.

- Website: https://www.numpy.org
- Documentation: https://numpy.org/doc
- Mailing list: https://mail.python.org/mailman/listinfo/numpy-discussion
- Source code: https://github.com/numpy/numpy
- Contributing: https://www.numpy.org/devdocs/dev/index.html
- Bug reports: https://github.com/numpy/numpy/issues
- Report a security vulnerability: https://tidelift.com/docs/security

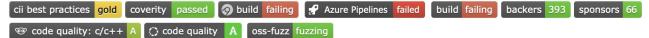
It provides:

- a powerful N-dimensional array object
- sophisticated (broadcasting) functions
- tools for integrating C/C++ and Fortran code
- useful linear algebra, Fourier transform, and random number capabilities

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Curl is a command-line tool for transferring data specified with URL syntax. Find out how to use curl by reading the curl.1 man page or the MANUAL document. Find out how to install Curl by reading the INSTALL document.

libcurl is the library curl is using to do its job. It is readily available to be used by your software. Read the libcurl.3 man page to learn how!

You can find answers to the most frequent questions we get in the FAQ document.

Study the COPYING file for distribution terms.

Contact

If you have problems, questions, ideas or suggestions, please contact us by posting to a suitable mailing list.

All contributors to the project are listed in the THANKS document.

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What a README is not:

- The comprehensive documentation for your project
- The only documentation for your project

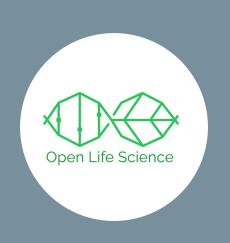


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