

Introduction to

Programming with R

Packaging Programs

ducksay

hello, world

>(.)__
(____/

cowsay

< hello, world >



Packages

Source Code

Package Structure

DESCRIPTION

NAMESPACE

man/

R/

tests/

...

DESCRIPTION

Package

Title

Description

Version

Authors@R

License

...

Licensing

Free and Open Source Software (FOSS)

MIT

GPL-3

...

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...

Unit Testing

tests/

devtools

use_testthat

use_test

test

hello, world

>(.)__
(____/

Writing Functions

R/

use_r

hello, world

>(.)__
(____/

export

load_all

Documenting Functions

man/

.Rd

Markup Languages

```
\title{...}
```

```
\description{...}
```

```
\usage{...}
```

```
...
```

Building Packages

build

R CMD build

Installing Packages

```
install.packages
```

```
R CMD INSTALL
```

Distributing Packages

CRAN

GitHub

...

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