

Cheat sheet for *drake*

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Basic

`drake_plan()`: Create plan

```
plan <- drake_plan(  
  target = fun(dep1, dep2, ...),  
  ...  
)
```

`make()`: Execute plan

```
make(plan)  
make(plan, jobs = ...) # parallel  
make() # make last plan again
```

`readd()`: Read single target

```
target <- readd(target)
```

`loadadd()`: Load targets into an environment

```
loadadd()  
loadadd(starts_with(dep))
```

Diagnosis

`check_plan()`: Check plan

```
check_plan(plan)
```

`drake_config()`: Configuration object

```
config <- drake_config(plan)
```

`vis_drake_graph()`: Visualize graph

```
vis_drake_graph(config)
```

`outdated()`: List out-of-date targets

```
outdated(config)
```

`diagnose()`: Show problems

```
diagnose("target")
```

Project organization

All files belong in your *project directory*. Start R somewhere below, and you don't need `setwd()`.

`here::here()`: Find files below your project directory

```
library(here)
## here() starts at ...
here("path", "to", "file.txt")
here("path/to/file.txt")
```

`here::dr_here()`: Understand your project directory

`here::set_here()`: Create `.here` file to define project directory

Files

`file_in()`, `file_out()`: Mark strings as input and output files.

```
plan <- drake_plan(
  text = readLines(file_in("in.txt")),
  writelines(text, file_out("out.txt"))
)
```

`knitr_in()`: Mark a string as input file for *knitr*.

```
plan <- drake_plan(
  rmarkdown::render(
    knitr_in("report.Rmd"),
    output_file = file_out("report.md")
  )
)
```

Dynamic plans

- `evaluate_plan()`, `plan_analyses()`, `plan_summaries()`, `expand_plan()`, `gather_plan()`
- data manipulation, e.g. with *dplyr*

Read more

Project website: <https://ropensci.github.io/drake>

- Home page
- Reference
- Get Started
- Articles:
 - General best practices
 - Debugging and testing
 - Caution
- FAQ