

## Recover a Lost File

```
library(glitter)
```

```
path <- path.expand("~/GitHub/packages/glitter")
```

My long lost file from the working directory is `R/destroy.R`. I then get the commit history of that file using the full path.

```
list_file_commits(file = "R/destroy.R",
                  path = path)
#> commit 497ae9652280b2e4ca66efc1c3717eb5d2b0396
#> Author: Meera Patel <patelmeeray@gmail.com>
#> Date: Sat Nov 21 02:21:30 2020 -0500
#>
#> update documentation
#>
#> commit c35f82d0c8f7fb694f8efe7b6b65304867b9c8ac
#> Author: Meera Patel <patelmeeray@gmail.com>
#> Date: Fri Nov 20 20:34:05 2020 -0500
#>
#> update GitHub Page
#>
#> commit b33abd4d1c1c3e848846f05588a84b80754f10e0
#> Author: Meera Patel <patelmeeray@gmail.com>
#> Date: Fri Nov 20 20:33:07 2020 -0500
#>
#> update documentation
#>
#> commit ed999d9d11220e4cfcd9cc18cab5c4d4520f244
#> Author: Meera Patel <patelmeeray@gmail.com>
#> Date: Fri Nov 20 20:03:02 2020 -0500
#>
#> remove stale vignettes, add file recovery vignette
#>
#> commit 3efedc648e40534927d68b66d8840156abbc6a27
#> Author: Meera Patel <patelm9@mskcc.org>
#> Date: Sat Apr 4 22:13:35 2020 -0400
#>
#> add filter_repo function, fix bugs for add_some scripts
#>
#> commit aa448c7de4ead65905dfb3133ec42ac8a6f332fc
#> Author: Meera Patel <patelm9@mskcc.org>
#> Date: Sat Apr 4 18:09:40 2020 -0400
#>
#> add pretty functions
#>
#> commit 5387519e5d65d8399a56008a385d58cbcf1a6e11
#> Author: Meera Patel <patelm9@mskcc.org>
```

```
#> Date: Tue Mar 24 02:01:38 2020 -0400
#>
#>      +: initial commit
```

By default, this file is recovered using the most recent commit automatically.

I first check to make sure this file does not already exist.

```
file.exists(path_to_file)
#> [1] FALSE
```

I recover the lost file:

```
recover_lost_file(file = path_to_file)
```

QA to make sure that the file now is present:

```
file.exists(path_to_file)
#> [1] TRUE
```

However, a version of the file from a commit before the most recent one is desired, the SHA can be entered to retrieve that version instead.

```
file.remove(path_to_file)
#> [1] TRUE
```

```
recover_lost_file(file = path_to_file,
                  sha = "aa448c7de4ead65905dfb3133ec42ac8a6f332fc")
```

```
file.exists(path_to_file)
#> [1] TRUE
```