

# “Readme” file for R package refund

This document accompanies the R package `refund` implementing the methods of “Fast Function-on-Scalar Regression With Penalized Basis Expansions.” Basic familiarity with the R environment, and with installation of contributed packages from the Comprehensive R Archive Network (CRAN), is assumed.

To install `refund`:

1. Download the file `refund_0.1-0.tar.gz`
2. Ensure that the R package `fda` (available from CRAN) is installed.
3. Open a command window, and navigate to the folder to which the file was saved.
4. Type the command `R CMD INSTALL refund_0.1-0.tar.gz`

Upon successful installation, type `library(refund)` in the R Console to load the package, then type `library(help=refund)` for an index of commands. The Canadian temperatures example of Section 8.1 of the paper can be reproduced using code in the help file for command `pwcv`.