

January 7, 2015

### 0.0.1 newProject

`newProject` creates a new named project directory structure at the specified file path. If a directory with this project name already exists in this location on the file system and `overwrite=FALSE`, the function will abort. Default project subdirectories are created unless a different vector of folder names is explicitly passed to `newProject`. If one of the subdirectories is `docs` then the default vector of subdirectories under `docs` is also created. This argument can also be set explicitly. The current function only creates directories, not files, so `overwrite=TRUE` is safe to use on any existing project.

```
newProject <- function(name, path, dirs = c("code", "data", "docs", "plots",
      "workspaces"), docs.dirs = c("diagrams", "ioslides", "notebook", "Rmd/include",
      "md", "html", "Rnw", "pdf", "timeline", "tufte"), overwrite = FALSE) {

  stopifnot(is.character(name))
  name <- file.path(path, name)
  if (file.exists(name) && !overwrite)
    stop("This project already exists.")
  dir.create(name, recursive = TRUE, showWarnings = FALSE)
  if (!file.exists(name))
    stop("Directory appears invalid.")

  path.dirs <- file.path(name, dirs)
  sapply(path.dirs, dir.create, showWarnings = FALSE)
  path.docs <- file.path(name, "docs", docs.dirs)
  if ("docs" %in% dirs)
    sapply(path.docs, dir.create, recursive = TRUE, showWarnings = FALSE)
  if (overwrite)
    cat("Project directories updated.\n") else cat("Project directories created.\n")
}
```