

# Package ‘HarpR’

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**Type** Package

**Title** A selection of useful functions used within analysis.

**Version** 0.1.0

**Author** Michael Harper

**Maintainer** Michael Harper <m.harper@outlook.com>

**Description** More about what it does (maybe more than one line)

Use four spaces when indenting paragraphs within the Description.

**License** What license is it under?

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

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findParentDirectory	<i>Find the path to Parent Directory</i>
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## Description

Equivalent of `mh_findParentDirectory`. Is useful for running a project across multiple computers where the project is stored in different directories.

## Usage

```
findParentDirectory(Parent)
```

**Arguments**

Parent                      the name of the directory to which the function should track back. Should be the root of the GitHub repository

**Author(s)**

Mikey Harper, <m.harper@soton.ac.uk>

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loadRequiredPackages    *Installs and loads packages*

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**Description**

myRequiredPackages checks whether the package is already installed, installing those which are not preinstalled. All the libraries are then load.

**Usage**

```
loadRequiredPackages(..., repository = "https://cran.ma.imperial.ac.uk/")
```

**Arguments**

...                      A list of packages  
 repository              The repository to load functions from. Defaults to "https://cran.ma.imperial.ac.uk/"

**Details**

Especially useful when running on virtual machines where package installation is not persistent (Like UoS sve). It will fail if the packages need to be installed but there is no internet access

**Author(s)**

Luke Blunden, <lzb@soton.ac.uk> (original) Michael Harper <m.harper@soton.ac.uk> (revised version)

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projFilePath              *Creates a file path within the project*

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**Description**

Adaptation to the \@codefile.path function to include the project parent directory file path. Construct the path to a file from components in a platform-independent way.

**Usage**

```
projFilePath(root, ..., fsep = .Platform$file.sep)
```

**Arguments**

root	the name of the root project directory
...	character vectors
fsep	the path separator to use

**Author(s)**

Mikey Harper, <m.harper@soton.ac.uk>

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sourceProjScript	<i>Sources a file path within the project</i>
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**Description**

Adaptation to the `file.path` function to include the project parent directory file path. Construct the path to a file from components in a platform-independent way.

**Usage**

```
sourceProjScript(root, ..., fsep = .Platform$file.sep)
```

**Arguments**

root	the name of the root project directory
...	character vectors
fsep	the path separator to use

**Author(s)**

Mikey Harper, <m.harper@soton.ac.uk>

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tidyNum	<i>Tidy long numbers</i>
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**Description**

`ba_tidyNum` reformats long numbers to include commas and prevents scientific formats

**Usage**

```
tidyNum(number)
```

**Arguments**

number	an input number or list
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**Author(s)**

Ben Anderson, <banderson@soton.ac.uk>

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