

Package ‘findpython’

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Type Package

Title Functions to Find an Acceptable Python Binary

Version 1.0.9

URL <https://github.com/trevorld/findpython>,
<https://trevorldavis.com/R/findpython/>

BugReports <https://github.com/trevorld/findpython/issues>

Description Package designed to find an acceptable python binary.

Suggests reticulate, testthat

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Collate 'find_python_cmd.r'

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can_find_python_cmd *Determines whether or not it can find a suitable python cmd*

Description

can_find_python_cmd() runs [find_python_cmd\(\)](#) and returns whether it could find a suitable python cmd. If it was successful its output also saves the found command as an attribute.

Usage

```
can_find_python_cmd(  
  minimum_version = NULL,  
  maximum_version = NULL,  
  required_modules = NULL,  
  error_message = NULL,  
  silent = FALSE  
)
```

Arguments

minimum_version	The minimum version of python it should be. Should be a string with major and minor number separated by a .. If left NULL won't impose such a restriction.
maximum_version	The maximum version of python it should be. Should be a string with major and minor number separated by a .. If left NULL won't impose such a restriction.
required_modules	Which modules should be required. Can use a single to represent a single either-or requirement like "json simplejson". If left NULL won't impose such a restriction.
error_message	What error message the user will see if couldn't find a sufficient python binary. If left NULL will print out a default message.
silent	Passed to try, whether any error messages from find_python_cmd() should be suppressed

Value

TRUE or FALSE depending on whether [find_python_cmd\(\)](#) could find an appropriate python binary. If TRUE the path to an appropriate python binary is also set as an attribute.

See Also

[find_python_cmd\(\)](#)

Examples

```
did_find_cmd <- can_find_python_cmd()  
python_cmd <- attr(did_find_cmd, "python_cmd")
```

find_python_cmd	<i>Find a suitable python cmd or give error if not possible</i>
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Description

find_python_cmd() finds a suitable python cmd or raises an error if not possible

Usage

```
find_python_cmd(  
    minimum_version = NULL,  
    maximum_version = NULL,  
    required_modules = NULL,  
    error_message = NULL  
)
```

Arguments

minimum_version	The minimum version of python it should be. Should be a string with major and minor number separated by a .. If left NULL won't impose such a restriction.
maximum_version	The maximum version of python it should be. Should be a string with major and minor number separated by a .. If left NULL won't impose such a restriction.
required_modules	Which modules should be required. Can use a single to represent a single either-or requirement like "json simplejson". If left NULL won't impose such a restriction.
error_message	What error message the user will see if couldn't find a sufficient python binary. If left NULL will print out a default message.

Value

The path to an appropriate python binary. If such a path wasn't found then it will throw an error.

See Also

[can_find_python_cmd\(\)](#) for a wrapper which doesn't throw an error

Examples

```
try(find_python_cmd())  
try(find_python_cmd(minimum_version = "2.6", maximum_version = "2.7"))  
try(find_python_cmd(required_modules = c("argparse", "json | simplejson")))
```

is_python_sufficient *Tests whether the python command is sufficient*

Description

is_python_sufficient() checks whether a given python binary has all the desired features (minimum and/or maximum version number and/or access to certain modules).

Usage

```
is_python_sufficient(  
  path,  
  minimum_version = NULL,  
  maximum_version = NULL,  
  required_modules = NULL  
)
```

Arguments

path	The path to a given python binary. If binary is on system path just the binary name will work.
minimum_version	The minimum version of python it should be. Should be a string with major and minor number separated by a .. If left NULL won't impose such a restriction.
maximum_version	The maximum version of python it should be. Should be a string with major and minor number separated by a .. If left NULL won't impose such a restriction.
required_modules	Which modules should be required. Can use a single to represent a single either-or requirement like "json simplejson". If left NULL won't impose such a restriction.

Value

TRUE or FALSE depending on whether the python binary met all requirements

Examples

```
try({  
  cmd <- find_python_cmd()  
  is_python_sufficient(cmd, minimum_version = "3.3", required_modules = "sys")  
})
```

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