

# Package ‘findpython’

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**Type** Package

**Title** Functions to Find an Acceptable Python Binary

**Version** 1.0.5

**URL** <https://github.com/trevorld/findpython>

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

**Description** Package designed to find an acceptable python binary.

**Suggests** covr, reticulate, testthat

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**Collate** 'find\_python\_cmd.r'

**RoxygenNote** 6.1.1

**NeedsCompilation** no

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**Repository** CRAN

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can\_find\_python\_cmd *Determines whether or not it can find a suitable python cmd*

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### 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")
```

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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

```
## Not run:  
    find_python_cmd()  
    find_python_cmd(minimum_version='2.6', maximum_version='2.7')  
    find_python_cmd(required_modules = c('argparse', 'json | simplejson'))  
  
## End(Not run)
```

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is\_python\_sufficient *Tests whether the python command is sufficient*

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### 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

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