# datefinder Documentation

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A python module for locating dates inside text. Use this package to extract all sorts of date like strings from a document and turn them into datetime objects.

This module finds the likely datetime strings and then uses the dateparser package to convert to the datetime object.

CHAPTER 1

# Installation

```
pip install datefinder
```

CHAPTER 2

# How to Use

`datefinder.find_dates(text, source=False, index=False, strict=False, base_date=None)`

Extract datetime strings from text

**Parameters**

- **text** (*str|unicode*) – A string that contains one or more natural language or literal datetime strings
- **source** (*boolean*) – Return the original string segment
- **index** (*boolean*) – Return the indices where the datetime string was located in text
- **strict** (*boolean*) – Only return datetimes with complete date information. For example: *July 2016* of *Monday* will not return datetimes. *May 16, 2015* will return datetimes.
- **base_date** (*datetime*) – Set a default base datetime when parsing incomplete dates

**Returns** Returns a generator that produces `datetime.datetime` objects, or a tuple with the source text and index, if requested

```
In [1]: string_with_dates = """
   ...: ...
   ...: entries are due by January 4th, 2017 at 8:00pm
   ...: ...
   ...: created 01/15/2005 by ACME Inc. and associates.
   ...: ...
   ...: """

In [2]: import datefinder

In [3]: matches = datefinder.find_dates(string_with_dates)

In [4]: for match in matches:
   ...:     print match
   ...:
2017-01-04 20:00:00
2005-01-15 00:00:00
```

CHAPTER 3

# Support

You can talk to us on Gitter or just submit an issue on github.

CHAPTER 4

# Documentation

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