

# Package ‘ifo’

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**Title** Client for the Ifo Institute Time Series

**Version** 0.1.0

**Description** Download ifo business survey data and more time series from ifo institute <<https://www.ifo.de/en/ifo-time-series>>.

**License** MIT + file LICENSE

**URL** <https://m-muecke.github.io/ifo/>, <https://github.com/m-muecke/ifo>

**BugReports** <https://github.com/m-muecke/ifo/issues>

**Depends** R (>= 4.1.0)

**Imports** readxl, rvest, tidyr, utils

**Suggests** dplyr, ggplot2, testthat (>= 3.0.0), xml2

**Config/Needs/website** knitr, rmarkdown

**Config/testthat/edition** 3

**Encoding** UTF-8

**RoxygenNote** 7.3.1

**NeedsCompilation** no

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**Repository** CRAN

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ifo_business	<i>Return ifo business climate data</i>
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### Description

Return ifo business climate data

### Usage

```
ifo_business(  
  type = c("germany", "sectors", "eastern", "saxony"),  
  long_format = TRUE  
)
```

### Arguments

type	character(1) Defaults to "germany". One of: <ul style="list-style-type: none"><li>• "germany": returns the ifo business climate index for Germany.</li><li>• "sectors": returns the ifo business climate index for different sectors.</li><li>• "eastern": returns the ifo business climate index for eastern Germany.</li><li>• "saxony": returns the ifo business climate index for Saxony.</li></ul>
long_format	logical(1) if TRUE return the data in long format. Only applies to type "germany" and "sectors". Default TRUE.

### Value

A `data.frame()` containing the monthly ifo business climate time series.

### Source

<https://www.ifo.de/en/ifo-time-series>

### See Also

The [article](#) for a reproducible example.

### Examples

```
ifo_business("germany")
```

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ifo_climate	<i>Return ifo climate data</i>
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**Description**

Return ifo climate data

**Usage**

```
ifo_climate(type = c("import", "export", "world", "euro"))
```

**Arguments**

type character(1) Defaults to "import". One of:

- "import": returns the ifo import climate.
- "export": returns the ifo export climate.
- "world": returns the ifo world economic climate.
- "euro": returns the ifo world economic climate for the euro zone.

**Value**

A data.frame() containing the monthly ifo climate time series.

**References**

Grimme C, Lehmann R, Nöller M (2018). "Das ifo Importklima – ein erster Frühindikator für die Prognose der deutschen Importe." *ifo Schnelldienst*, **71**(12), 27–32.

Grimme, Christian, Lehmann, Robert, Nöller, Marvin (2021). "Forecasting imports with information from abroad." *Economic Modelling*, **98**, 109–117.

**Examples**

```
ifo_climate("import")
```

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ifo_expectation	<i>Return ifo expectation data</i>
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**Description**

Return ifo expectation data

**Usage**

```
ifo_expectation(type = c("export", "employment"))
```

**Arguments**

`type` character(1) Defaults to "employment". One of:

- "export": returns the ifo export expectations for manufacturing.
- "employment": returns the ifo employment barometer for Germany.

**Value**

A `data.frame()` containing the monthly ifo expectation time series.

**Source**

<https://www.ifo.de/en/ifo-time-series>

**Examples**

```
ifo_expectation("export")
```

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