

# Package: forecastingapi (via r-universe)

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**Type** Package

**Title** Tools for interacting with Techtonique API

**Version** 0.2.0

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**Description** High level R functions for interacting with Techtonique forecasting API.

**Imports** httr, jsonlite

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.2.2

**Repository** <https://techtonique.r-universe.dev>

**RemoteUrl** [https://github.com/Techtonique/forecastingAPI\\_r](https://github.com/Techtonique/forecastingAPI_r)

**RemoteRef** HEAD

**RemoteSha** d914da475d24432e25be8adceef3477632078872

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create_account	<i>Create an account for using Techtonique APIs</i>
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**Description**

Create an account for using Techtonique APIs

**Usage**

```
create_account(username, password)
```

**Arguments**

username	a string; your username
password	a string; your password

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get_forecast	<i>Obtain forecasts from a csv file</i>
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**Description**

Obtain forecasts from a csv file

**Usage**

```
get_forecast(
  file,
  token,
  method = c("theta", "mean", "rw", "prophet"),
  h = 5,
  level = 95,
  date_formatting = "original",
  start_training = NULL,
  n_training = NULL
)
```

**Arguments**

file	a string; path to csv file containing time series data (examples: <a href="https://github.com/Techtonique/datasets/tr">https://github.com/Techtonique/datasets/tr</a> )
token	a string; authentication token (obtained with <code>forecastingAPI::get_token</code> )
method	a string; forecasting method (currently Theta, mean forecast, Random walk forecasting, and FB Prophet forecasting)
h	an integer; number of periods for forecasting
level	an integer; confidence levels for prediction intervals

`date_formatting` a string; either "original" (yyyy-mm-dd) or "ms" (milliseconds)  
`start_training` an integer; starting index for training window  
`n_training` an integer; length of training window

**Value**

a list of "averages" (mean forecast) and "ranges" (lower and upper bounds of prediction interval)

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`get_token` *Obtain a token, for use in API requests*

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**Description**

Obtain a token, for use in API requests

**Usage**

```
get_token(username, password)
```

**Arguments**

`username` a string; your username  
`password` a string; your password

**Value**

a string; the token used in API requests (function `get_forecast` of this package)

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