

# Package ‘vvertime’

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**Type** Package

**Title** Interface for 'Semestry TermTime' Services

**Version** 0.0.1

**Description** Provides an R interface for interacting with the 'Semestry TermTime' services.

It allows users to retrieve scheduling data from the API. see

<[https:](https://github.com/vusaverse/vvertime/blob/main/openapi_7.7.0.pdf)

[//github.com/vusaverse/vvertime/blob/main/openapi\\_7.7.0.pdf](https://github.com/vusaverse/vvertime/blob/main/openapi_7.7.0.pdf)> for details.

**URL** <https://github.com/vusaverse/vvertime>,

<https://vusaverse.github.io/vvertime/>

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**Imports** httr, jsonlite, magrittr

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

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authenticate	<i>Authenticate with Semestry Termtime API</i>
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## Description

This function authenticates with the Semestry Termtime API by verifying the API key and base URL. It returns an authenticated Semestry object that can be used for subsequent API calls.

## Usage

```
authenticate(api_key, base_url)
```

## Arguments

api_key	The API key for Semestry.
base_url	The base URL of the Semestry API.

## Value

An authenticated Semestry object.

---

`get_activities_report_attr`

*Retrieve activity report attr from the Semestry API*

---

### **Description**

This function sends a GET request to the report room endpoint of the Semestry API and retrieves the room booking data.

### **Usage**

```
get_activities_report_attr(semestry, timeout = 30)
```

### **Arguments**

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

### **Value**

The retrieved activity report data from the API.

---

`get_activities_report_sche`

*Retrieve activity report schedule from the Semestry API*

---

### **Description**

This function sends a GET request to the report room endpoint of the Semestry API and retrieves the room booking data.

### **Usage**

```
get_activities_report_sche(semestry, timeout = 30)
```

### **Arguments**

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

### **Value**

The retrieved activity report data from the API.

---

get_buildings	<i>Retrieve building data from the Semestry API</i>
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**Description**

This function sends a GET request to the buildings endpoint of the Semestry API and retrieves the building data.

**Usage**

```
get_buildings(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved building data from the API.

---

get_campuses	<i>Retrieve campus data from the Semestry API</i>
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---

**Description**

This function sends a GET request to the campuses endpoint of the Semestry API and retrieves the campus data.

**Usage**

```
get_campuses(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved campus data from the API.

---

get_courses	<i>Retrieve course data from the Semestry API</i>
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---

**Description**

This function sends a GET request to the courses endpoint of the Semestry API and retrieves the course data.

**Usage**

```
get_courses(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved course data from the API.

**Examples**

```
## Not run:  
semestry <- authenticate_semestry()  
get_courses(semestry)  
  
## End(Not run)
```

---

get_database	<i>Retrieve data from the Semestry API database endpoint</i>
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---

**Description**

This function sends a GET request to the database endpoint of the Semestry API and retrieves the data.

**Usage**

```
get_database(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved data from the API database.

---

get_departments	<i>Retrieve department data from the Semestry API</i>
-----------------	---

---

**Description**

This function sends a GET request to the departments endpoint of the Semestry API and retrieves the department data.

**Usage**

```
get_departments(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved department data from the API.

---

get_modules	<i>Retrieve module data from the Semestry API</i>
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---

**Description**

This function sends a GET request to the modules endpoint of the Semestry API and retrieves the module data.

**Usage**

```
get_modules(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved module data from the API.

---

`get_offers`*Retrieve offers from the Semestry API*

---

**Description**

This function sends a GET request to the offers endpoint of the Semestry API and retrieves the offers.

**Usage**

```
get_offers(semestry, timeout = 30)
```

**Arguments**

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved offers from the API.

**Examples**

```
## Not run:  
semestry <- authenticate_semestry()  
get_offers(semestry)  
  
## End(Not run)
```

---

`get_report_booking`*Retrieve booking report from the Semestry API*

---

**Description**

This function sends a GET request to the report booking endpoint of the Semestry API and retrieves the booking booking data.

**Usage**

```
get_report_booking(semestry, timeout = 30)
```

**Arguments**

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved report booking data from the API.

---

get_report_room	<i>Retrieve room report from the Semestry API</i>
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---

**Description**

This function sends a GET request to the report room endpoint of the Semestry API and retrieves the room booking data.

**Usage**

```
get_report_room(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved report room data from the API.

---

get_roombookings	<i>Retrieve room booking data from the Semestry API</i>
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---

**Description**

This function sends a GET request to the roombookings endpoint of the Semestry API and retrieves the room booking data.

**Usage**

```
get_roombookings(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved room booking data from the API.



---

get_rooms	<i>Retrieve room data from the Semestry API</i>
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---

**Description**

This function sends a GET request to the rooms endpoint of the Semestry API and retrieves the room data.

**Usage**

```
get_rooms(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved room data from the API.

**Examples**

```
## Not run:  
semestry <- authenticate_semestry()  
get_rooms(semestry)  
  
## End(Not run)
```

---

get_schedule_rooms	<i>Retrieve schedule rooms data from the Semestry API</i>
--------------------	---

---

**Description**

This function sends a GET request to the schedule/rooms endpoint of the Semestry API and retrieves the schedule rooms data.

**Usage**

```
get_schedule_rooms(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved schedule rooms data from the API.

---

get_staff	<i>Retrieve staff data from the Semestry API</i>
-----------	--

---

**Description**

This function sends a GET request to the staff endpoint of the Semestry API and retrieves the staff data.

**Usage**

```
get_staff(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved staff data from the API.

**Examples**

```
## Not run:  
semestry <- authenticate_semestry()  
get_staff(semestry)  
  
## End(Not run)
```

---

get_staff_pools	<i>Retrieve staff pools from the Semestry API</i>
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**Description**

This function sends a GET request to the staffpools endpoint of the Semestry API and retrieves the staff pools.

**Usage**

```
get_staff_pools(semestry, timeout = 30)
```

**Arguments**

- `semestry` An authenticated Semestry object.
- `timeout` The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved staff pools from the API.

---

<code>get_students</code>	<i>Retrieve student data from the Semestry API</i>
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---

**Description**

This function sends a GET request to the students endpoint of the Semestry API and retrieves the student data.

**Usage**

```
get_students(semestry, timeout = 30)
```

**Arguments**

- `semestry` An authenticated Semestry object.
- `timeout` The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved student data from the API.

**Examples**

```
## Not run:  
  semestry <- authenticate_semestry()  
  get_students(semestry)  
  
## End(Not run)
```

get\_student\_group\_maps

*Retrieve student group mappings from the Semestry API*

---

### **Description**

This function sends a GET request to the studentgroupmaps endpoint of the Semestry API and retrieves the student group mappings data.

### **Usage**

```
get_student_group_maps(semestry, timeout = 30)
```

### **Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

### **Value**

The retrieved student group maps from the API.

---

get\_timeframes

*Retrieve timeframes data from the Semestry API*

---

### **Description**

This function sends a GET request to the timeframes endpoint of the Semestry API and retrieves the timeframes data.

### **Usage**

```
get_timeframes(semestry, timeout = 30)
```

### **Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

### **Value**

The retrieved timeframes data from the API.

---

get_webhooks	<i>Retrieve webhook data from the Semestry API</i>
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**Description**

This function sends a GET request to the webhooks endpoint of the Semestry API and retrieves the webhook data.

**Usage**

```
get_webhooks(semestry, timeout = 30)
```

**Arguments**

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

**Value**

The retrieved webhook data from the API.

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