

Package ‘hydeR’

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Type Package

Title R functions for Hyde High School

Version 0.9.1

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Description R funnctions for Hyde High School.

The package makes extensive use of g4sr, an API wrapper for Go4Schools. Authentication is required for all g4sr requests. See your school's administrator for an API key.

License GPLv3

URL <https://github.com/afsarchowdhury/hydeR>

BugReports <https://github.com/afsarchowdhury/hydeR/issues>

Encoding UTF-8

LazyData true

Imports crayon,
data.table,
dplyr,
ggplot2,
glue,
httr,
jsonlite,
lubridate,
magrittr,
quanteda,
quanteda.textstats,
readtext,
scales,
stringr,
tidyr

Remotes afsarchowdhury/g4sr

RoxygenNote 7.3.2

Roxygen list(markdown = TRUE)

Suggests testthat,
knitr,
rmarkdown

VignetteBuilder knitr

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hhs_attainment	<i>Get clean attainment data.</i>
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Description

Returns clean details of attainment in the chosen academic year for chosen year group.

Usage

```
hhs_attainment(academicYear, yearGroup)
```

Arguments

- academicYear academic year as integer.
- yearGroup year group as string.

Examples

```
hhs_attainment(2020, "10")
```

`hhs_attainment_multiple`*Get clean attainment data for multiple year groups.*

Description

Returns clean details of attainment in the chosen academic year for multiple year groups.

Usage

```
hhs_attainment_multiple(academicYear, yearGroupFrom = "7", yearGroupTo = "11")
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>yearGroupFrom</code>	starting year group as string. Defaults to "7".
<code>yearGroupTo</code>	ending year group as string. Defaults to "11".

Examples

```
hhs_attainment_multiple(2021, "7", "11")
```

`hhs_attendance_student_lesson`*Get clean student lesson marks.*

Description

Returns clean details of student lesson marks for chosen academic year and date.

Usage

```
hhs_attendance_student_lesson(academicYear, goDate)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDate</code>	date as string in the form yyyy-mm-dd.

Examples

```
hhs_attendance_student_lesson(2020, "2020-07-01")
```

`hhs_attendance_student_lesson_range`*Get clean student lesson marks over a range of dates.*

Description

Returns clean student lesson marks over a range of dates for chosen academic year.

Usage

```
hhs_attendance_student_lesson_range(academicYear, goDateStart, goDateEnd)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDateStart</code>	start date of range as string in the form yyyy-mm-dd.
<code>goDateEnd</code>	end date of range as string in the form yyyy-mm-dd.

Examples

```
hhs_attendance_student_lesson_range(2021, "2021-07-12", "2021-07-16")
```

`hhs_attendance_student_session`*Get clean student session marks.*

Description

Returns clean details of student session marks for chosen academic year, date, and session.

Usage

```
hhs_attendance_student_session(academicYear, goDate, session = NULL)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDate</code>	date as string in the form yyyy-mm-dd.
<code>session</code>	session as string.

Examples

```
hhs_attendance_student_session(2020, "2020-07-01")  
hhs_attendance_student_session(2020, "2020-07-01", "am")
```

`hhs_attendance_student_session_range`*Get clean student session marks over a range of dates.*

Description

Returns clean student session marks over a range of dates for chosen academic year.

Usage

```
hhs_attendance_student_session_range(  
    academicYear,  
    goDateStart,  
    goDateEnd,  
    session = NULL  
)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDateStart</code>	start date of range as string in the form yyyy-mm-dd.
<code>goDateEnd</code>	end date of range as string in the form yyyy-mm-dd.
<code>session</code>	session as string.

Examples

```
hhs_attendance_student_session_range(2021, "2021-07-12", "2021-07-16")  
hhs_attendance_student_session_range(2021, "2021-07-12", "2021-07-16", session = "am")
```

`hhs_attendance_student_summary`*Get clean student attendance summary.*

Description

Returns clean details of student attendance summary for chosen academic year.

Usage

```
hhs_attendance_student_summary(academicYear)
```

Arguments

<code>academicYear</code>	academic year as integer.
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Examples

```
hhs_attendance_student_summary(2020)
```

`hhs_behaviour_events_range`*Get clean behaviour events.*

Description

Returns clean behaviour events over a range of dates within in the chosen academic year.

Usage

```
hhs_behaviour_events_range(academicYear, goDateStart, goDateEnd)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDateStart</code>	start date of range as string in the form yyyy-mm-dd.
<code>goDateEnd</code>	end date of range as string in the form yyyy-mm-dd.

Examples

```
hhs_behaviour_events_range(2021, "2021-07-12", "2021-07-16")
```

`hhs_class_list_student`*Get student-focused class list.*

Description

Returns clean details of all classes in the chosen academic year for chosen student.

Usage

```
hhs_class_list_student(academicYear, student)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>student</code>	student search string.

Examples

```
hhs_class_list_student(2020, "smith")
```

`hhs_class_list_teacher`*Get teacher-focused class list.*

Description

Returns clean details of all classes in the chosen academic year for chosen staff. If staff code is not provided, class list for all staff are returned.

Usage

```
hhs_class_list_teacher(  
  academicYear,  
  staffCode = NULL,  
  yearGroupFrom = "7",  
  yearGroupTo = "11"  
)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>staffCode</code>	case-sensitive staff code as string.
<code>yearGroupFrom</code>	starting year group as string. Defaults to "7".
<code>yearGroupTo</code>	ending year group as string. Defaults to "11".

Examples

```
hhs_class_list_teacher(2020, "ACH")  
hhs_class_list_teacher(2020)
```

`hhs_detentions`*Get clean school detention data.*

Description

Returns clean school detention data for chosen academic year and date range, along with a line plot.

Usage

```
hhs_detentions(academicYear, goDateStart, goDateEnd)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDateStart</code>	start date of range as string in the form yyyy-mm-dd.
<code>goDateEnd</code>	end date of range as string in the form yyyy-mm-dd.

Examples

```
hhs_detentions(2022, "2021-09-01", "2021-09-30")
```

hhs_exam_results	<i>Get clean external examination results.</i>
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Description

Returns clean details of external examination results in the chosen academic year for chosen year group.

Usage

```
hhs_exam_results(academicYear, yearGroup, type = NULL)
```

Arguments

academicYear	academic year as integer.
yearGroup	year group as string.
type	qualification type as string.

Examples

```
hhs_exam_results(2020, "11")
hhs_exam_results(2020, "11", type = "gcse")
hhs_exam_results(2020, "11", type = c("gcse", "btec"))
```

hhs_exclusions	<i>Get clean school exclusion data.</i>
----------------	---

Description

Returns clean school exclusion data for chosen academic year and date range, along with a line plot.

Usage

```
hhs_exclusions(academicYear, goDateStart, goDateEnd)
```

Arguments

academicYear	academic year as integer.
goDateStart	start date of range as string in the form yyyy-mm-dd.
goDateEnd	end date of range as string in the form yyyy-mm-dd.

Examples

```
hhs_exclusions(2022, "2021-09-01", "2021-09-30")
```

`hhs_markbook_attainment`*Get clean markbook attainment.*

Description

Returns clean details of attainment in the chosen academic year for all markbooks.

Usage

```
hhs_markbook_attainment(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
hhs_markbook_attainment(2022)
```

`hhs_raw_student_details_general`*Get raw general student details.*

Description

Returns raw general student details for chosen academic year.

Usage

```
hhs_raw_student_details_general(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
hhs_student_details_general(2021)
```

hhs_readability	<i>Get clean readability data.</i>
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Description

Returns clean readability data for texts in a given directory.

Usage

```
hhs_readability(text_dir, return_full = FALSE)
```

Arguments

text_dir	path to directory containing texts as string.
return_full	return full readability statistics as logical. Default FALSE.

Examples

```
hhs_readability("C:/Users//User/Texts", TRUE)
```

hhs_school	<i>Get school details.</i>
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Description

Returns details of the school and the available academic years.

Usage

```
hhs_school()
```

hhs_school_population	<i>Get clean school population data.</i>
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Description

Returns clean details of school population for all available academic years, along with a line plot.

Usage

```
hhs_school_population()
```

Examples

```
hhs_school_population()
```

`hhs_setup`*Run set up for hhs functions.*

Description

Use this function to store your API key for use with hhs functions. Authentication is required for all requests. See your school's administrator for an API key.

Usage

```
hhs_setup(api_key)
```

Arguments

`api_key` API key as string.

Examples

```
hhs_setup("a96650481f0245eea396726f85ac7049")
```

`hhs_student_details_general`*Get clean general student details.*

Description

Returns clean general student details for chosen academic year.

Usage

```
hhs_student_details_general(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
hhs_student_details_general(2021)
```

`hhs_student_send_search`*Get clean SEND notes search.*

Description

Returns clean student details based on SEND notes search for chosen academic year.

Usage

```
hhs_student_send_search(academicYear, notesSearch)
```

Arguments

`academicYear` `notesSearch` as string.

Examples

```
hhs_student_send_search(2021, "extra time")  
hhs_student_send_search(2021, "irlen")
```

`hhs_targets`*Get clean targets.*

Description

Returns clean details of targets in the chosen academic year and subject for all year groups.

Usage

```
hhs_targets(academicYear, subject = NULL)
```

Arguments

`academicYear` academic year as integer.
`subject` subject as string. . Defaults to null.

Examples

```
hhs_targets(2022, "Combined Science 9-1")
```

hhs_timetable	<i>Get clean timetable data.</i>
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Description

Returns clean timetable data for chosen academic year.

Usage

```
hhs_timetable(academicYear)
```

Arguments

academicYear academic year as integer.

Examples

```
hhs_timetable(2021)
```

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