lookml-gen

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LOOKER GENERATOR

1.1 LookBase

class `looker_generator.`**`LookBase`**(*model: str*, *explore: str*, *fields: list*, *sorts: dict*, *filters: dict = None*, *pivots: list = None*, *custom_fields: list = None*, *limit: int = 500*, *total: bool = False*, *row_total: bool = False*, *timezone: str = 'America%2FNew_York'*)

Stores the parameters of a Looker explore as an object ready to be assembled into a URL.

property source

The model and explore of the LookBase object.

> **Returns** The strings stored in the "model" and "explore" fields, separated by a "/".
>
> **Return type** str
>
> **Setter** Accepts a string of two values, separated by a "/", and splits it into a list, which will be passed to the "model" and "explore" fields, respectively.
>
> **Parameters** **`new_source`** (`str`) – The new source to be used in the LookBase object.
>
> **Raises** **`InputMismatch Exception`** – If anything other than a string is passed.

property model

The model used by the LookBase object.

> **Returns** The first half of the "source" property.
>
> **Return type** str
>
> **Parameters** **`new_model`** (`str`) – The new model to be used for the LookBase object.
>
> **Raises** **`InputMismatch Exception`** – If anything other than a string is passed.

property explore

The explore used by the LookBase object.

> **Returns** The second half of the "source" property.
>
> **Return type** str
>
> **Parameters** **`new_explore`** (`str`) – The new explore to be used by the LookBase object.
>
> **Raises** **`InputMismatch Exception`** – If anything other than a string is passed.

property fields

A list of the fields stored in the LookBase object.

> **Setter** If the input is a list, set or tuple, convert it to a list and store it; If the input is a string, split it into a list on the commas; Otherwise, raise an exception.

> > **Parameters new_fields** (`list, tuple, set, str`) – The fields to be used by the LookBase object.
> >
> > **Returns** The fields currently being used by the LookBase object.
> >
> > **Return type** list
> >
> > **Raises InputMismatch Exception** – If anything other than a list, tuple, set or string is passed.

> **property sorts**
> A dict of sorts, containing the criteria of the sort as the key, and whether it is descending as a value.
>
> > **Setter** If the input is a dict, pass it through; If it is a string, break it on the "+" symbol, and if there was anything to he right of the "+", set the value to True, or false otherwise.
> >
> > **Parameters new_sorts** (`dict, str`) – The new sorts to be used by the LookBase object.
> >
> > **Returns** A dict holding the sort parameters as keys, and whether each one is descending as the values.
> >
> > **Return type** dict
> >
> > **Raises InputMismatch Exception** – If anything other than a dict or a string is passed.

> **property sort_adapter**
> Functions as an adapter for use with the Looker API.
>
> > **Returns** The sorts used by the LookBase object, and whether each one is descending, formatted as a list of strings.
> >
> > **Return type** list

> **property filters**
> A dict containing the names and values of all the filters of the URL.
>
> > **Setter** Passes a dict verbatim, or splits a string into a dict holding a single key-value pair.
> >
> > **Parameters new_filters** (`dict, str, list`) – The new filters to be used by the LookBase object.
> >
> > **Returns** The filters used by the LookBase object
> >
> > **Return type** dict
> >
> > **Raises InputMismatch Exception** – If anything other than a dict, list or string is passed.

> **Note:** Looker stores filters in a pretty weird way, which is the main reason the urllib isn't able to simply be used verbatim.

> **property filter_adapter**
> Functions as an adapter for use with the Looker API.
>
> > **Returns** A dict of filters and their targets, reformatted to remove plus signs.
> >
> > **Return type** dict

> **property pivots**
> Returns a list of the fields used for pivots.

> **Note:** This property is currently unused.

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property custom_fields
    Returns a list of the custom fields used in the LookBase object.

> **Note:** This property is currently unused.

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property limit
    The maximum number of rows to be displayed by this LookBase object.

> **Parameters new_limit** (`int`) – The number of rows the LookBase object should show. This defaults to 500 and is capped at 5000

> **Returns** The limit used by the LookBase object

> **Return type** int

> **Raises InputMismatch Exception** – If anything other than in int is passed.

property total
    Does this explore include an additional row containing the total of each column?

> **Parameters new_total** (`bool`) – Sets whether the totals are shown.

> **Returns** Whether the totals are shown.

> **Return type** bool

> **Raises InputMismatch Exception** – If anything other than a bool is passed.

property row_total
    Does this explore have an additional column holding the total for each row?

> **Parameters new_row_total** (`bool`) – Sets whether the row totals are shown.

> **Returns** Whether the row totals are shown.

> **Return type** bool

> **Raises** InputMismatch Exception if anything other than a boolean is passed.

property timezone
    The timezone used by the explore.

> **Arg** new_timezone: The new timezone to use

> **Type** new_timezone: str

> **Returns** The timezone used by the explore.

> **Return type** str

> **Raises** Raises an InputMismatch exception is anything other than a string is passed.

property url_constructor
    Generates a URL for a Looker explore from the parameters stored within the LookBase object.

> **Returns** The source and fields of the LookBase object

> **Return type** str

property generate_url
    Creates a URL for an explore to be created by a user.

> **Returns** The finished URL created by the LookBase object.

> **Return type** str

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property generate_api

    Creates a URL for an explore to be created via the Looker API.

        Returns The finished URL for use of the Looker API.

        Return type str

property body

    Functions as an adapter for use with the Looker API.

        Returns The parameters of the LookBase object, formatted for use as the "body" argument by the Looker API.

        Return type dict

1.2 URL Parser

class looker_generator.**URLParser**(*input_url: str*)

    Accepts a URL as a string, parsing it into a LookBase object

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