
safe-cast Documentation

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CHAPTER 1

Introduction

Safe casting of Python base types.

CHAPTER 2

Badges

docs	
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CHAPTER 3

Functions

Function	Purpose
<code>safe_cast(val, to_type, default=None)</code>	Cast value to requested type, if failed, then used default.
<code>safe_str(val, default=None)</code>	Cast value to type string, if failed, then used default.
<code>safe_float(val, ndigits=2, default=None)</code>	Cast value to type float, if failed, then used default.
<code>safe_int(val, default=None)</code>	Cast value to type int, if failed, then used default.
<code>safe_dict(val, default=None)</code>	Cast value to type dictionary, if failed, then used default.
<code>safe_smart_cast(val)</code>	Determine type based upon value, and cast to that type.
<code>safe_cost(val)</code>	Cast value to type float by 4 decimal points.
<code>safe_fraction(val)</code>	Cast fraction to type float, if failed, then used default.

4.1 `safe_cast(val, to_type, default=None)`

Safely cast a value to type, and if failed, returned default if exists.

Optional: Pass default value. Returned if casting fails.

param val Value to be cast.

param to_type Safely cast to a specific type.

param default Default if casting fails.

return Return casted value or default.

4.2 `safe_int(val, default=None)`

Safely cast a value to an integer.

Optional: Pass default value. Returned if casting fails.

param val Value to be cast to int.

param default Default if casting fails.

return Return int casted value or default.

4.3 `safe_float(val, ndigits=2, default=None)`

Safely cast a value to float, remove ',' if exists to ensure strings "1,234.5" are transformed to become "1234.5".

Optional: Pass default value. Returned if casting fails.

param val Value to be cast to float.
param ndigits Number of digits in float.
param default Default if casting fails.
return Return float casted value or default.

4.4 `safe_str(val, default=None)`

Safely cast a value to a string.

Optional: Pass default value. Returned if casting fails.

param val Value to be cast to string.
param default Default if casting fails.
return Return string casted value or default.

4.5 `safe_dict(val, default=None)`

Safely cast a value to a dictionary.

Optional: Pass default value. Returned if casting fails.

param val Value to be cast to dictionary.
param default Default if casting fails.
return Return dictionary casted value or default.

4.6 `safe_smart_cast(val)`

Safely cast a value to the best matching type. Optional: Pass default value. Returned if casting fails.

param val Value to be smartly cast.
return Typed value

4.7 `safe_fraction(fraction, ndigits=2, default=None)`

Safely cast a fraction string to float.

Optional: Pass default value. Returned if casting fails.

param fraction Value of fraction to be cast to float.
param ndigits Number of digits in float.
param default Default if casting fails.
return Return float casted value or default.