

graphlab.SArray.filter

`SArray.filter` (*fn*, *skip_undefined=True*, *seed=None*)

Filter this SArray by a function.

Returns a new SArray filtered by this SArray. If *fn* evaluates an element to true, this element is copied to the new SArray. If not, it isn't. Throws an exception if the return type of *fn* is not castable to a boolean value.

Parameters: **fn** : function

Function that filters the SArray. Must evaluate to bool or int.

skip_undefined : bool, optional

If True, will not apply fn to any undefined values.

seed : int, optional

Used as the seed if a random number generator is included in fn.

Returns: **out** : SArray

The SArray filtered by fn. Each element of the SArray is of type int.

Examples

```
>>> sa = graphlab.SArray([1,2,3])
>>> sa.filter(lambda x: x < 3)
dtype: int
Rows: 2
[1, 2]
```