

Hello Nardew,

sorry to disturb you. **I used your older version of talipp at the same code without any issue. After the upgrade to 2.2.1 I can only initialize indicators RSI and TSI but cannot add a new input using rsi().add() and tsi().add().**

Maybe the reason is in my using global variables gl.rsi, gl. tsi or other trik in Python, but I am stalling 2 weeks already. To go on in debugging I have to initialize rsi, tsi repeatedly and after a limit use

.purge_oldest which for some reason is working!?!? Of course repeating the initializations is very time consuming and downgrading to older version is the last step? I tried to add type(R/TSI) to the declaration of the global var. but it did not help.

My config file with globals:

```
from talipp.indicators import TSI, RSI, EMA, SMA, Stoch
tsi1l = type(TSI) # TSI(13, 25, input_values = close_1l)
#tsi1l.add() = TSI(13, 25, input_values = close_1l).add()
rsi1l = type(RSI) # RSI(14, input_values = close_1l)
#rsi1l.add() = RSI(14, input_values = close_1l).add()
tsi2l = type(TSI) # TSI(13, 25, input_values = close_1l)
rsi2l = type(RSI) # RSI(14, input_values = close_1l)
tsi3l = type(TSI) # TSI(13, 25, input_values = close_1l)
rsi3l = type(RSI) # RSI(14, input_values = close_1l)
```

Code using talipp is of this type:

```
if len(gl.b1ldframe) < 50:
    gl.close_1l += [gl.b1l_close]
    # logger.info(f'gl.close_1l = {gl.close_1l}')
    gl.rsi1l = RSI(14, input_values=gl.close_1l)
    gl.tsi1l = TSI(13, 25, input_values=gl.close_1l)
    if gl.rsi1l[-1] != gl.rsi1l[-1]:
        xlst = gl.b1l_bar + [0.0]
    else:
        xlst = gl.b1l_bar + [gl.rsi1l[-1]]
    if gl.tsi1l[-1] != gl.tsi1l[-1]:
        xlst = xlst + [0.0]
    else:
        xlst = xlst + [gl.tsi1l[-1]]

    # lis1.extend([None])
else:
```

```
    xlst = gl.b1l_bar + [gl.rsi1l.add(gl.b1l_bar[4])[-1]]
    xlst += [gl.tsi1l.add(gl.b1l_bar[4])[-1]]
    logger.info(f'xlst = {xlst}')
    print(['RSI(14,).add(gl.b1l_bar[4])[-1]:'])
    print(['RSI(14,).add(gl.b1l_bar[4])[-1]'])
    gl.b1ldframe.loc[len(gl.b1ldframe.index)] = xlst
    len1 = len(gl.b1ldframe)
    logger.info(f'=3.len(gl.b1ldframe): {len1},')
    logger.info(f'=3gl.b1ldframe.iloc[-1]:')
```

[logger.info](#)(f'{gl.b1ldframe.iloc[-1].tolist()}')

#####

RSI and TSI needs for my data(S&P2000, future) more than 30 bars to calculate a value, NaNs at start.

RSI, TSI values for 1st 50 bars.

When the second part of code is executed (see gl.rsi1l.add(gl.b1l_bar[4]), error message occurs:

File "name.py", line 394, in genbars

```
xlst = gl.b1l_bar + [gl.rsi1l.add(gl.b1l_bar[4])[-1]]  
~~~~~^
```

TypeError: 'NoneType' object is not subscriptable

#####

Thank you very much in advance for your time and help.

With my regards,

Hynek Sechovsky