

## Re: Class data being zapped by method

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*Source:* <http://coding.derkeiler.com/Archive/Python/comp.lang.python/2006-08/msg02179.html>

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  - *Date:* 8 Aug 2006 17:05:10 -0700
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Kevin M wrote:

Figures. I'll try to complicate it sufficiently ;)

[edit] I was going to try to sum up what goes on, but I realized that I was retyping what I already programmed in an effort to better illustrate exactly what I'm doing. Pastebin it is. Don't fear, it's only around 200 lines total.

Class file -- <http://pastebin.4programmers.net/640>

Main file -- <http://pastebin.4programmers.net/639>

PLEASE don't worry about any file parsing stuff. That's all working well. The problem is that I'm getting `IndexError` exceptions in my `_a_count` and `_b_count` methods when they're called from `analyze()`. I added some code to increase verbosity, and it turns that the count methods within the `Test` class are operating on `EMPTY` lists ( `[]` ), so naturally they can't index anything. This is the core of the problem, especially considering that line 98 in `main.py` works as expected.

Once again, thank you **VERY VERY** much for addressing this situation, everyone

Not that this has anything to do with your actual question, but there are a number of small details that I noticed while reading your code:

- 1.) Why are you removing the `.pyc` file?
- 2.) Reading lines from a file is better done like so:

```
arrLines = open('datafiles/'+filename+'.tabdata').readlines()
```

and the `'r'` flag is the default, you can omit it.

- 3.) You can create the `Test` instances like so:

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```
arrTests = [Test() for i in range(cntTests)]
```

4.) You don't need "saveout = sys.stdout", sys.\_\_stdout\_\_ is already this.

5.) In "check = 0.6 \* float(depth)" the call to float is redundant and can be eliminated.

6.) In "sumx = sum([x[0] for x in self.data])", etc.. you can leave out the []'s. There's no need to create a list, the ()'s in the call to sum() suffice to make a generator comprehension.

FWIW, if you're still having trouble later I'll try to take another look at your code. Print statements and debuggers are your friends, and John Machin's advice seems good to me.

Peace,  
~Simon

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