ctools - Bug #3156

show_pull_histogram.py broken with matplotlib > 3.1.0

02/05/2020 12:14 PM - Cardenzana Josh

Status:	Closed	Start date:	02/05/2020)
Priority:	Normal	Due date:		
Assigned To:	Cardenzana Josh	% Done:	100%	
Category:		Estimated time:	0.00 hour	
Target version:	1.7.0			
Description		· · ·		
matplotlib v3.1.3 con	natplotlib.mlab.normpdf` function which wa firms this method does not exist and throw e 'matplotlib.mlab' has no attribute 'normp	VS:	3.1.0 (see <u>here</u>). Running the script with
l believe issue #3136				
	o is related.			
Related issues:				

History

#1 - 02/05/2020 12:19 PM - Cardenzana Josh

- Related to Bug #3136: make check fails with test_examples.py added

#2 - 02/05/2020 12:29 PM - Cardenzana Josh

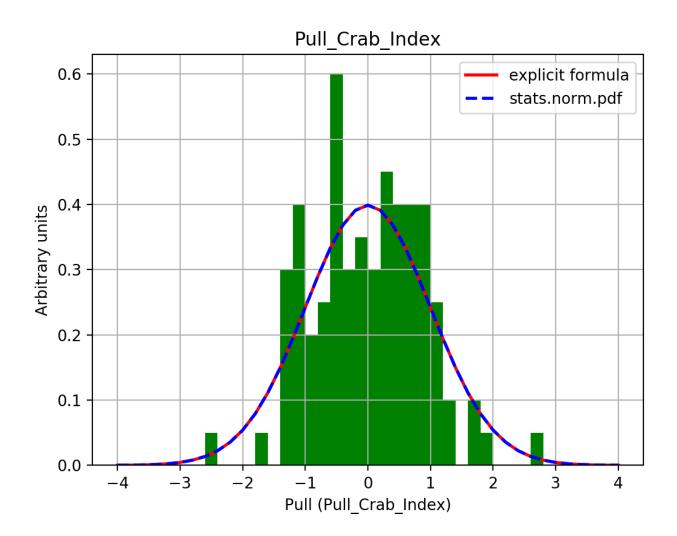
- File cspull_test.png added

The documentation suggests using scipy.stats.norm.pdf instead, but that would introduce another dependency.

Instead I propose the simple replacement by the following (which just does the calculation explicitly):

y = np.exp(-0.5*bins*bins) / np.sqrt(2.0*np.pi)

NumPy is already a dependency in the script, but it removes the need for matplotlib.mlab. The results are exactly the same using the suggested workaround and the explicit formula:



#3 - 02/05/2020 04:49 PM - Cardenzana Josh

- % Done changed from 0 to 100

I've implemented the above changes here:

Pull information:

- Username: jcardenzana
- repository: ctools
- branch: 3156_remove_normpdf

#4 - 02/17/2020 02:07 PM - Knödlseder Jürgen

- Status changed from New to Pull request

#5 - 02/17/2020 04:55 PM - Knödlseder Jürgen

- Status changed from Pull request to Closed

Merged into devel.

Files

cspull_test.png

69 KB 02/05/2020

Cardenzana Josh