Ruby master - Feature #2322

[PATCH] Add standard deviation function to Math Module

11/02/2009 05:29 AM - danielc192 (Daniel Cohen)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Rejected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>mrkn (Kenta Murata)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
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</tbody>
</table>

**Description**

```
This patch adds a Standard Deviation function to the Math Module. It takes an array and finds the standard deviation of all its elements, as long as they are numbers.
```

**Related issues:**

Related to Ruby master - Feature #2321: [PATCH] Array Module sum and mean fea... Rejected 11/01/2009

**History**

#1 - 04/02/2010 08:35 AM - znz (Kazuhiro NISHIYAMA)
- Target version set to 2.0.0

=begin
=end

#2 - 03/18/2012 02:42 PM - nahi (Hiroshi Nakamura)
- Description updated
- Assignee set to mrkn (Kenta Murata)

#3 - 03/18/2012 06:46 PM - shyouhei (Shyouhei Urabe)
- Status changed from Open to Assigned

#4 - 03/20/2012 02:11 AM - mrkn (Kenta Murata)
- Status changed from Assigned to Rejected

Why do we need to specially treat the 2nd central moment, that is standard deviation, than the other nth moment, such as skewness (3rd) and kurtosis (4th)?

You can use NArray for that reason. See http://narray.rubyforge.org/index.html.en

**Files**

| add_stdev.diff | 982 Bytes | 11/02/2009 | danielc192 (Daniel Cohen) |

08/07/2021