

Ruby master - Feature #10228

Statistics module

09/11/2014 07:41 AM - gogotanaka (Kazuki Tanaka)

| | |
|--|-------------------------------|
| Status: | Feedback |
| Priority: | Normal |
| Assignee: | |
| Target version: | |
| Description | |
| <p>I'm gonna implement some features related with statistics to Math module now.</p> <p>Like that -> https://bugs.ruby-lang.org/issues/10225</p> <p>But I am afraid that Math module becomes too complex and suppose such a feature should be apart from Math module's responsibility.</p> <p>So I'd like to propose Ruby provides Statistics module. (There are plenty of room for discussion.)</p> <p>As you know, python3.4 has already started to provide Statistics module as Standard Library. (However these are not enough, I am impressed and think that is awesome trying.)</p> <p>I want Statistics module which has the features of python's Statistics module and some functions related with numerical analysis.</p> <p>It should be helpful to make people we couldn't reach so far have interest in Ruby.</p> <p>And it is important to provide as "core or standard library".</p> <p>But I know there are so many reasons we should not do that, so I want to hear your opinion.</p> <p>Thank you.</p> | |
| Related issues: | |
| Related to Ruby master - Feature #10552: [PATCH] Add Enumerable#frequencies a... | Open 11/27/2014 |

History

#1 - 09/11/2014 07:46 AM - matz (Yukihiro Matsumoto)

- Status changed from Open to Feedback

Why don't you create a gem and polish the spec before adding it in the core?

Matz.

#2 - 09/11/2014 08:14 AM - gogotanaka (Kazuki Tanaka)

@Yukihiro Matsumoto san

Oh.. I know the exchanges like that.. we have had such a talks before.. I'm so sorry for your extra trouble.

Actually I'd like to heighten the international momentum of whole Ruby community toward this field.

Anyway I'll focus on polishing my gem (have already created)

gogo.

#3 - 09/13/2014 10:56 PM - shevegen (Robert A. Heiler)

I concur that statistics would be useful.

For bioinformatics I am forced to use R (<http://www.r-project.org/>) right now.

Hopefully I can one day replace all of why I have to use R with Ruby (I guess the biggest problem are not the routines/methods or algorithms but actually those plotting options).

A gem can showcase what can be done with statistics addon.

A require line could then be:

```
require 'math/statistics'
```

or just

```
require 'statistics'
```

MS Excel / Libreoffice have quite a lot of standard statistic functions.
AVG() or AVEDEV() or AVERAGEA() and so forth.

Just giving a bit feedback, don't take me too seriously. :)

#4 - 09/14/2014 12:28 AM - david_macmahon (David MacMahon)

The Ruby/GSL gem provides a Ruby interface to GSL which provides a great deal of statistical functionality and much more besides. Maybe that would meet your needs?

On Sep 13, 2014, at 3:56 PM, shevegen@gmail.com wrote:

Issue [#10228](#) has been updated by Robert A. Heiler.

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Feature [#10228](#): Statistics module
<https://bugs.ruby-lang.org/issues/10228#change-48891>

- Author: gogo tanaka
- Status: Feedback
- Priority: Normal
- Assignee:
- Category:

* Target version:

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And it is important to provide as "core or standard library".

But I know there are so many reasons we should not do that, so I want to hear your opinion.

Thank you.

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<https://bugs.ruby-lang.org/>

#5 - 11/10/2014 10:47 PM - gogotanaka (Kazuki Tanaka)

Associated revision [10225](#)

#6 - 11/10/2014 11:01 PM - gogotanaka (Kazuki Tanaka)

[robert \(Robert Gleeson\)](#) A. Heiler

oh, I'm sorry for missing your nice comment.

Hopefully I can one day replace all of why I have to use R with Ruby (I guess the biggest problem are not the routines/methods or algorithms but actually those plotting options).

I have same dream too. Fortunately, developing DataFrame library with Ruby become popular. We may replace all of why we have to use R with Ruby in the not so distant future.

#7 - 11/29/2014 03:04 AM - duerst (Martin Dürst)

- Related to Feature #10552: [PATCH] Add Enumerable#frequencies and Enumerable#relative_frequencies added