

THE RICH, FLOWERS, PILES OF S%#T

—

AND WHAT TO DO ABOUT IT

Stephan Hagemann



1/3/2013 at 10:08 AM |

Bill Gates Just Can't Seem to Get Rid of All This Pesky Money

By Delia Paunescu

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The smirk of wealth.

Last year Bill Gates gave away [\\$28 billion](#). But even after all the charitable donations, he came away \$7 billion richer than he started, ending the year with a net worth of \$63.4 billion. This makes him the second richest person in the world, when he had been the third richest, according to Bloomberg's Billionaires Index. Business Insider explained: "He's been earning money faster than he can give it away."

Gates is not alone. He joins Amazon CEO Jeff Bezos, the Koch brothers, LVMH head Bernard Arnault, Prince Alwaleed, and Carlos Slim among the [ten billionaires who made even more money in 2013](#).



https://en.wikipedia.org/wiki/Preferential_attachment

...any of a class of **processes** in which some quantity, typically some form of wealth or credit, is distributed among a number of individuals or objects according to how much they already have, **so that those who are already wealthy receive more than those who are not.**

**...so that those who are
already wealthy receive more
than those who are not.**





Kingdom	Vegetable
Sub-Kingdom	Angiospermæ
Class	Dicotyledoneæ
Sub class	Sympetalæ
Order	Rubiales
Family	Rubiaceæ
Genus	Coffea
Sub-Genus	Eucoffea
Species	C.arabica C.canephora

[Botany • 2013] *Cochinchinochloa*
braiana • A New Bamboo Genus
(Gramineae: Bambusoideae-Bambusineae)
Endemic to Braian mountain, Lamdong
Province, southern Vietnam



Fig. 2 *Cochinchinochloa braiana* H.N.Nguyen & V.T.Tran.

```
1 ▼ class YourCode
2 ▼   def call(*args)
3     puts "hmm..."
4 ▲   end
5 ▲ end
6
7 YourCode.new. |()
```

LARGE RAILS CODEBASES

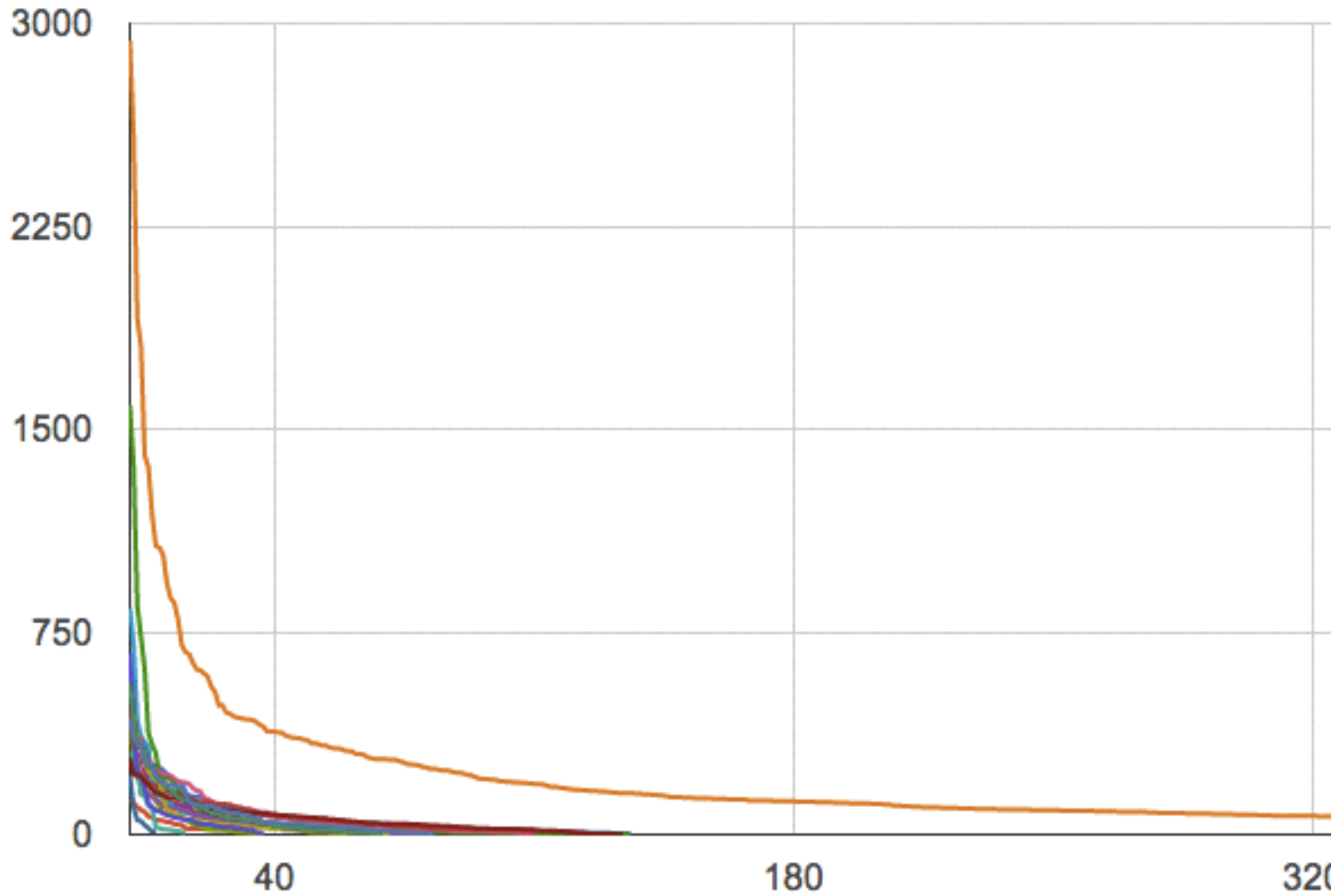
- browsercms
- calagator
- canvas-lms
- citizenry
- diaspora
- engine
- fat_free_crm
- fulcrum
- loc_counts
- onebody
- opencongress
- opengovernment
- portlandcrime
- railscollab
- rubygems.org
- skyline
- snorby
- spot-us
- spree
- teambox
- tracks

```
find app/models lib -iname "*.rb" -type f -exec wc -l {} \;
```

```
|  
sort -r
```

```
|  
awk '{print $1}'
```

LOC per Ruby file in modes/lib



```

class User < ActiveRecord::Base
  # this has to be before include Context to prevent a circular dependency in Course
  def self.sortable_name_order_by_clause(table = nil)
    col = table ? "#{table}.sortable_name" : 'sortable_name'
    best_unicode_collation_key(col)
  end

  include Context

  attr_accessible :name, :short_name, :sortable_name, :time_zone, :show_user_services, :gender, :visible_in
  attr_accessor :previous_id, :menu_data

  before_save :infer_defaults
  serialize :preferences
  include TimeZoneHelper
  time_zone_attribute :time_zone
  include Workflow

  # Internal: SQL fragments used to return enrollments in their respective workflow
  # states. Where needed, these consider the state of the course to ensure that
  # students do not see their enrollments on unpublished courses.
  #
  # strict_course_state can be used to bypass the course state checks. This is
  # useful in places like the course settings UI, where we use these conditions
  # to search users in the course (rather than as an association on a
  # particular user)
  #
  # the course_workflow_state parameter can be used to simplify the query when
  # the enrollments are all known to come from one course whose workflow state
  # is already known. when provided, the method may return nil, in which case
  # the condition should be treated as 'always false'.
  def self.enrollment_conditions(state, strict_course_state=true, course_workflow_state=nil)

```



“So, what do you do about it?”

—Stephan Hagemann

BILL?



BILL!



FLOWERS?



FLOWERS!



YOUR CODE?

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7 YourCode.new.()
```

YOUR CODE!



```
class YourCode
  def call(*arg
    puts "hmm..
  end
end
```

```
YourCode.new.()
```

START HERE:

Single Responsibility Principle

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