Linguistic Diversity: Beyond Object-Oriented Programming

@osagaius

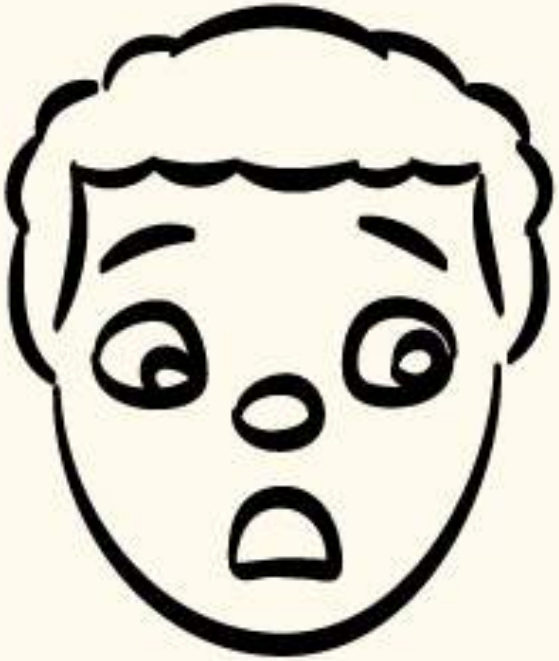
Subtitle

Linguistic Domination and Translation as a Counter-Hegemonic Practice

@osagaius

mailchimp

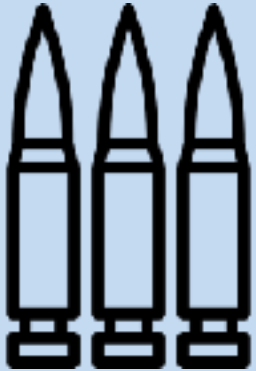
#TBT

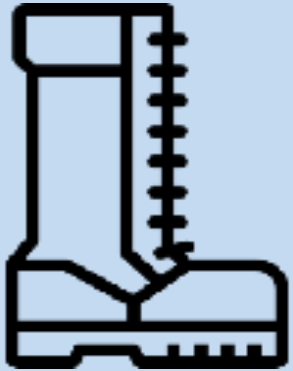


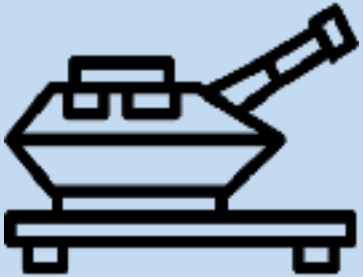
1. Hegemony
2. OOP as Hegemon
3. Instances of Hegemony
4. Translation
5. Conclusion

Hegemony

ἡγεμονία





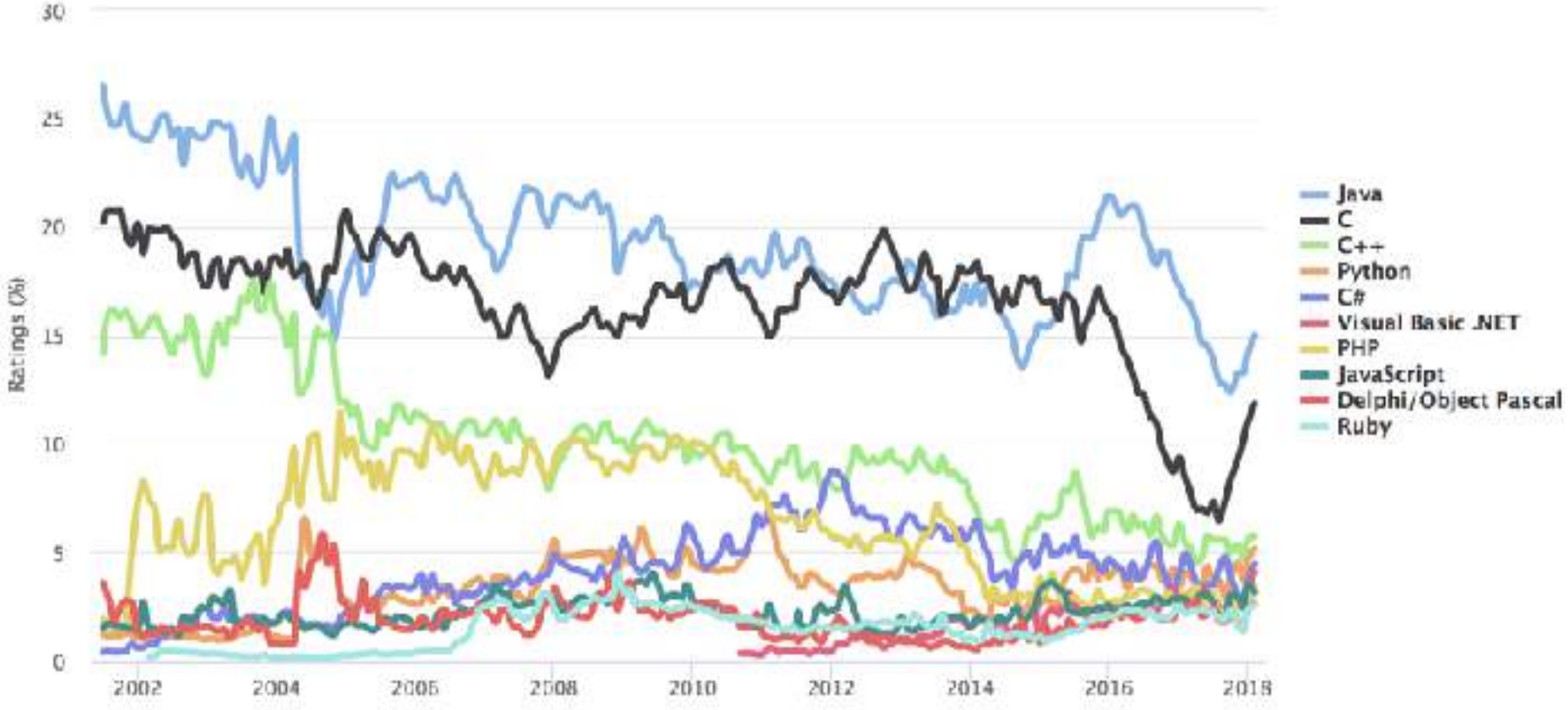


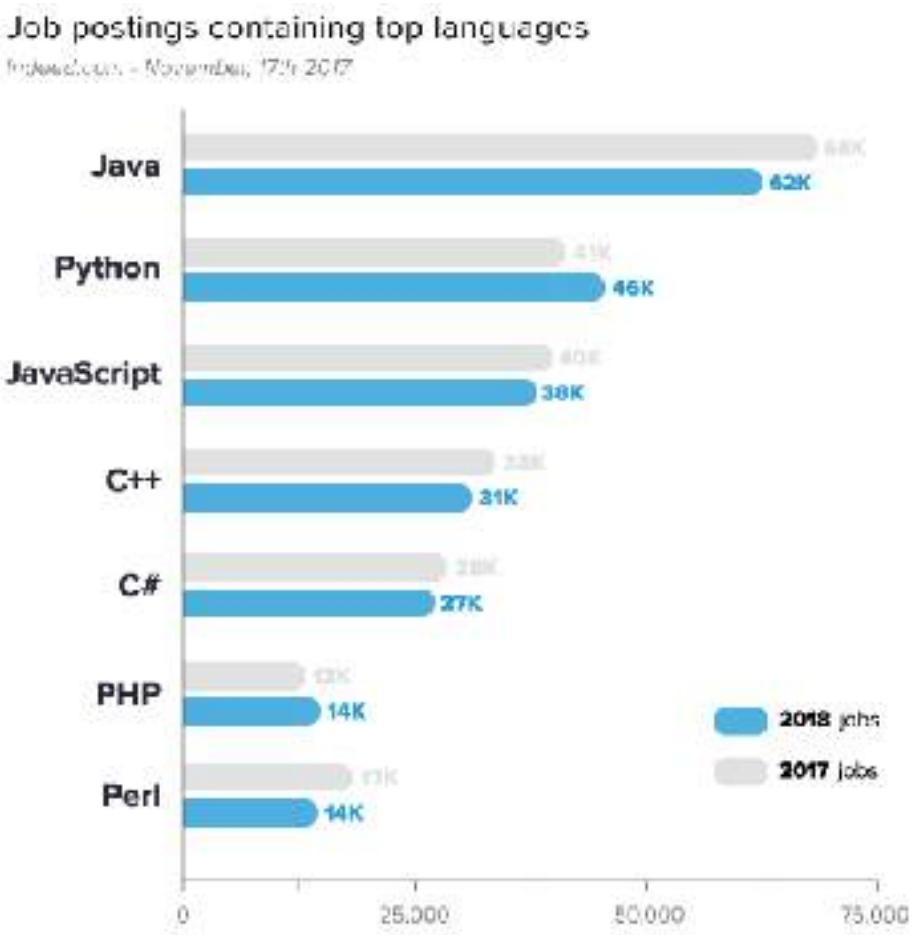
NEWS

Do you
SPEAK
English?

OOP

Language Popularity (TIOBE Index)




Job postings containing top languages
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62K
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C#
27K
PHP
14K
Perl
14K
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50,000
75,000

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Java™

San Jose Mercury News

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THURSDAY
MARCH 28, 1996

PM FIRSTPERSON

Why Sun thinks Hot Java will give you a lift

New software designed to make World Wide Web's 'home pages' more useful — and spur computer sales

BY DAVID BANK
Mercury News Staff Writer

A few months ago, establishing a "home page" — or site — on the Internet's World Wide Web was enough to win a company or individual a place among the information cognoscenti.

Now, many of multimedia's hippest designers deride today's Web pages as static, boring and dumb.

A home page is a computer file with text, photos or graphics that can be viewed via the World Wide Web and can contain links to other files.

Many leading-edge designers today are buzzing about Sun Microsystems Inc.'s new software that the Mountain View-based company hopes will turn the Web into a rocking new medium. The software enables producers to make the Web as lively as a CD-ROM, but with the added advantages of continuous updates and real-time interaction between people.

"Rather than just having a CD-ROM that gets pressed once and is immediately out of date, you can interact with people on the Net," said Kari Jacob, the chief technologist at Dimension X Inc., a San Francisco game producer that is using the software to construct "environments" for multiple computer users to visit, such as virtual saloons, dance halls and poetry-reading salons.

"What we're trying to do with this is build a community around the site," Ja-

See SOFTWARE, Back Page

' What these guys are doing is undeniably, absolutely new. It's great stuff. . . . These guys are really pushing the envelope. **'**

Blizzard

Yes, it really is springtime: Snow closes I-80; wind KO's power; rain spurs flooding

Mad rush for U.S.

Enthusiasm grows over universal software language

By CATALINA ORTIZ
The Associated Press

It sounds like a high-tech dream: Running your favorite software on all kinds of computers, from office machines to home desktops to pocket organizers.

Despite a widening industry rift, enthusiasm is growing among software developers for a computer language that could make that vision of universal software a reality.

Developers at a four-day industry conference last week remained hopeful the Java programming language will free them to write software once to run on a range of computers and digital consumer devices — regardless of the underlying operating system.

Slightly clouding the enthusiasm is a standards dispute between industry giants Sun Microsystems, which created Java, and Microsoft, which pro-

The Associated Press

James Gosling, vice president of Sun Microsystems and the chief architect of Java, addresses the JavaOne conference last week.

new Hegemon( )

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four

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Gang of Four

Resistance

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A

LRU Cache

```elixir
defmodule LRUCache do
  use Agent

  def start_link(capacity \\ 10, queue \\ [], store \\ %{}) do
    Agent.start_link(fn -> %{queue: queue, store: store, capacity: capacity} end)
  end

end
```

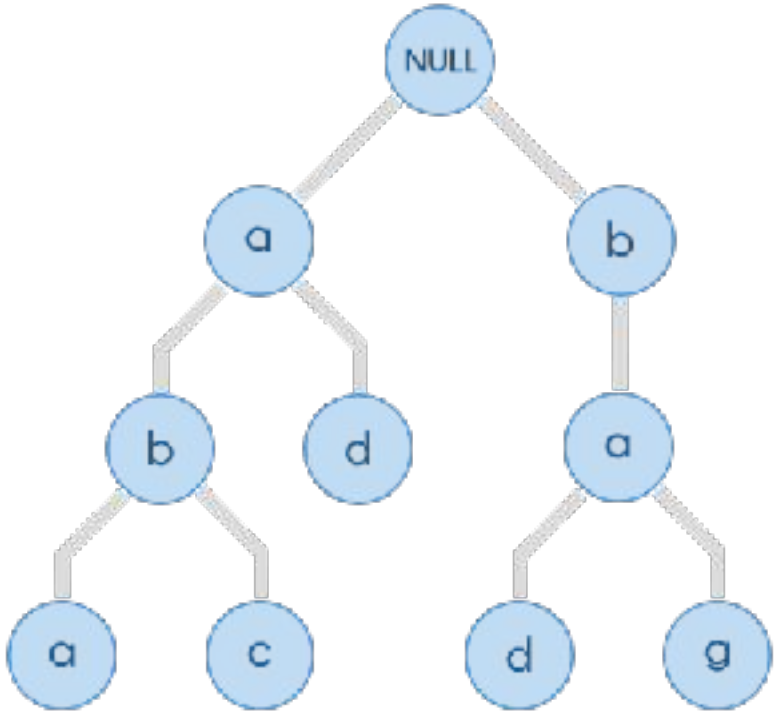
```elixir
defmodule LRUCache do
  ...

  def get(cache, key) do
    state = Agent.get(cache, fn cache -> cache end)
    value = state.store |> Map.get(key, -1)

    queue = [key] ++ (state.queue |> List.delete(key))

    Agent.update(cache, fn s -> %{state | queue: queue, store: s.store} end)

    value
  end
```



a b
a b a
a b c
a d
b a
b a d
b a g

Factories

```
class Factory
{
        public function getAction($action_name)
    {
        switch ($action_name) {
            case self::CREATE_CAT:
                return new Cat();
            case self::CREATE_BIRD:
                return new Bird();
            case self::CREATE_RABBIT:
                return new Rabbit();
        }
    }
```

```elixir
defmodule Factory do
  def get_action(name = "create_cat"), do: %{type: "Cat"}
  def get_action(name = "create_bird"), do: %{type: "Bird"}
  def get_action(name = "create_rabbit"), do: %{type: "Rabbit"}
end
```

Factories vs. Data

Conclusion

Thank you.

@osagaius