

Lisp: A Journey to Elysium?

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About Me

- Using Common Lisp for 6+ years
- Started in the university (lots of Japanese Lisp Hackers)
- Mathematical Systems Inc.
- Startup

Now

- Working at PayPal, Risk Data Science
 - Fight Frauds :)
 - Not much Lisp
 - Pig, R, CL, Python

Lisp之旅

悟

無

Nili

哲学

理想

现实 (Python?)

Aha! It's Lisp!

Ball of Mud



Namespaces and Bindings

All-In-One Runtime

Emacs :)

Lisp Machine

Years of Hacking

1 000+ Symbols
1 000+ Pages
(Ref Manual)

... is an
acceptable
Lisp

Scope and Extent

Pure/High- order Functions

Expressiveness

Performance?

Control Flow

Control Flow + Scope and Extent

Condition System

Code vs. Data

Writing Interpreters

More Macros? No

Let Over Lambda
On Lisp

经验杂谈

Clojure

Heh?

Hmm...

Ah...

Watch Rich Hickey's Keynotes

Simplicity

Immutable Data

Concurrency

Declarative

JVM...

Language:
core.logic
core.async

Web: Hiccup/Ring Immigrant

Killer Apps:
Prismatic
Datomic
Incanter
Cascalog/Storm

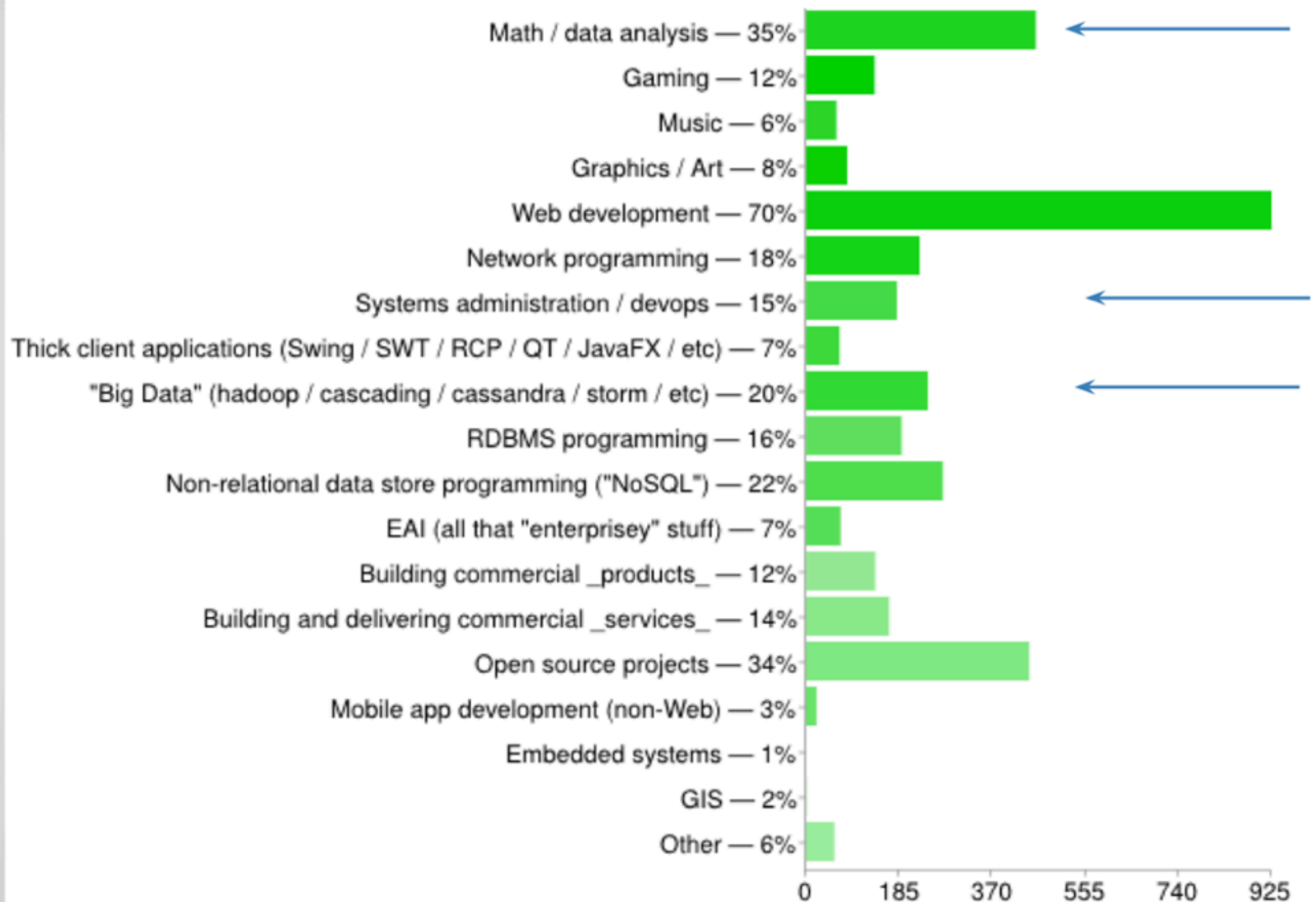
Good For Startups?

- Truly Composable (High Reusability)
- Fast Development Speed (vs. Python? Java?)
- Less Bugs (vs. Haskell?)
- Concurrency and Parallel Computing Support

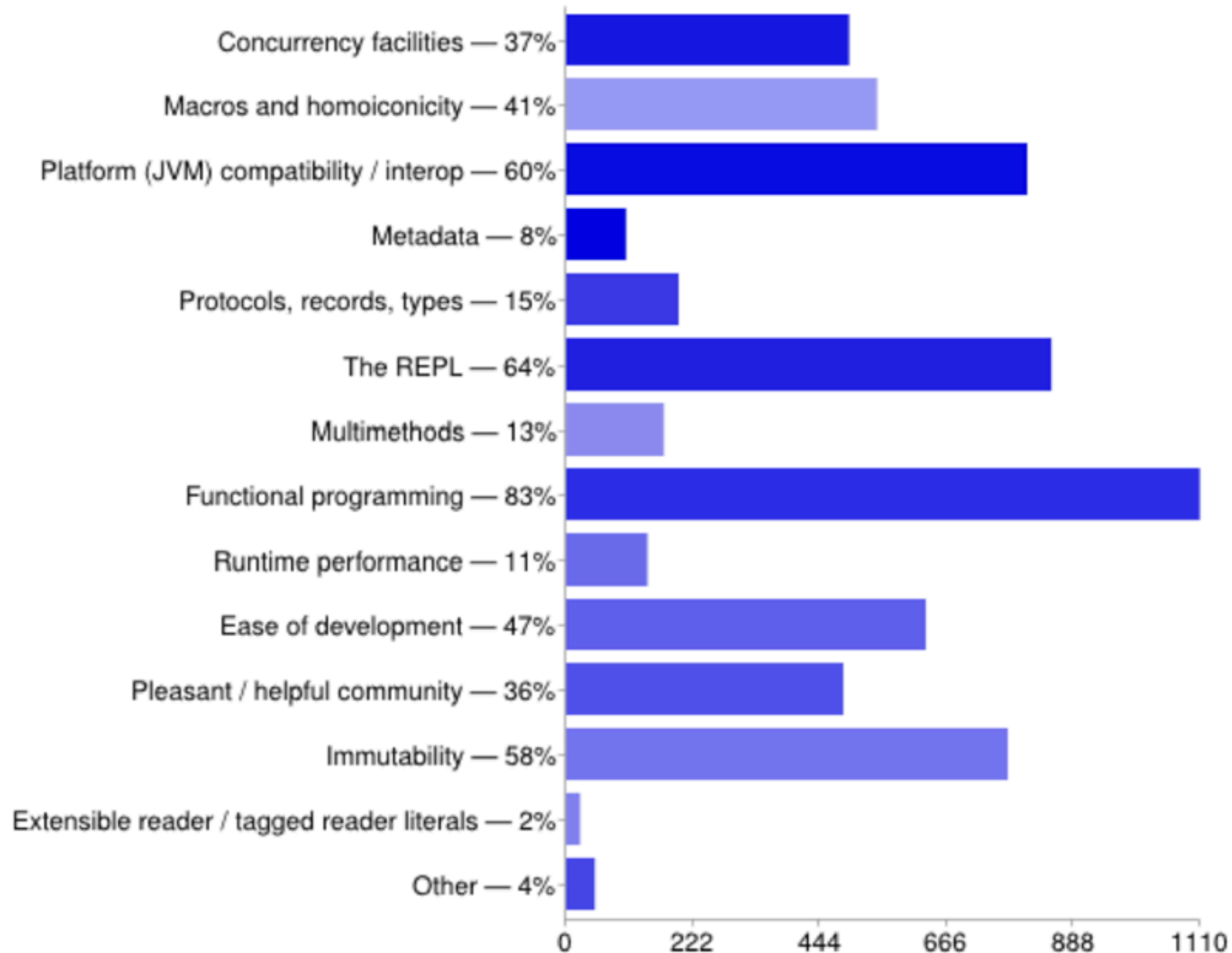
Companies Using Clojure

- 美味书签
- Twitter
- Factual
- Prismatic
- Heroku
- Amazon, Nokia, Akamai, Groupon, ...

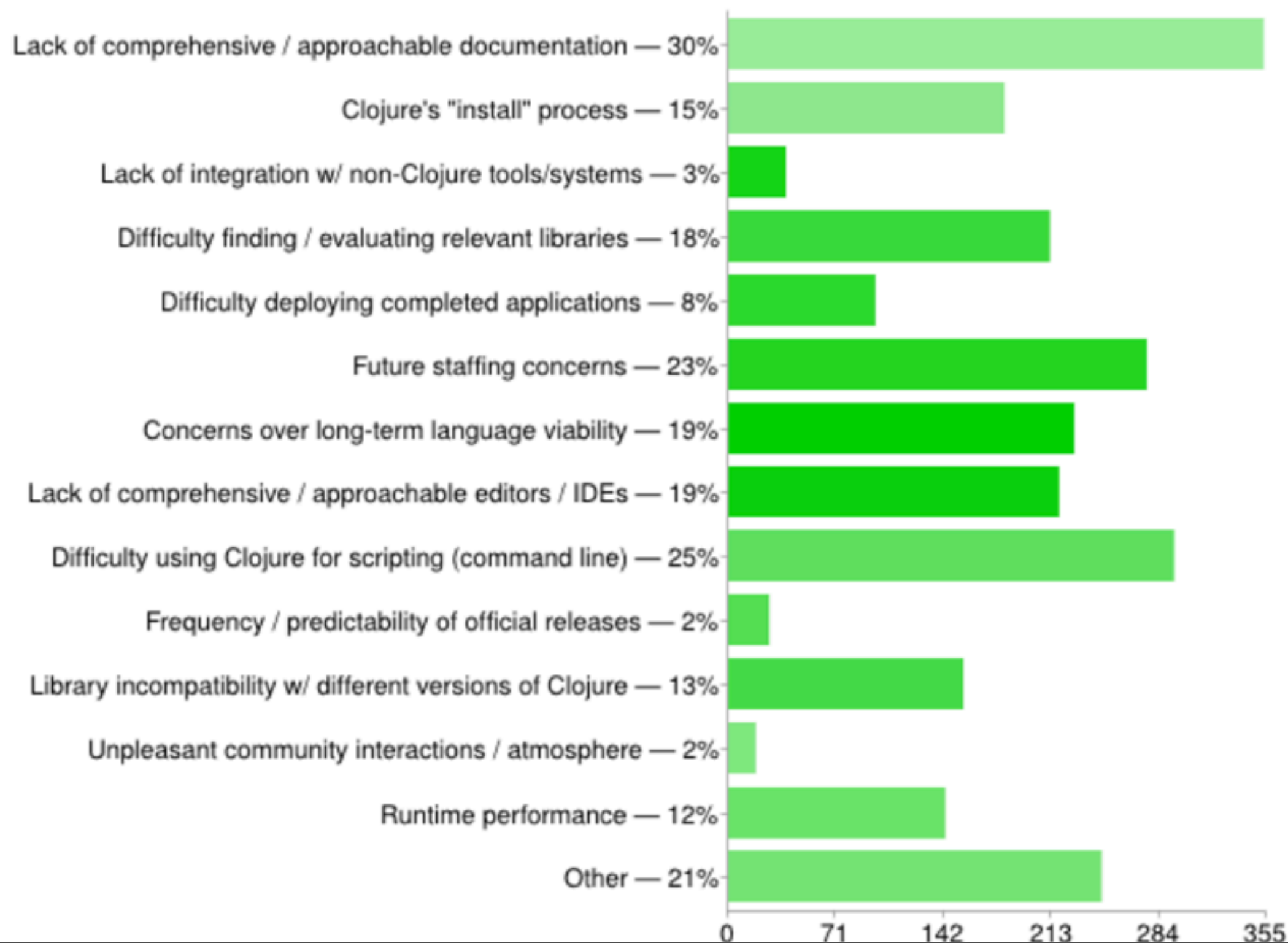
Q: In which domain(s) are you using Clojure?



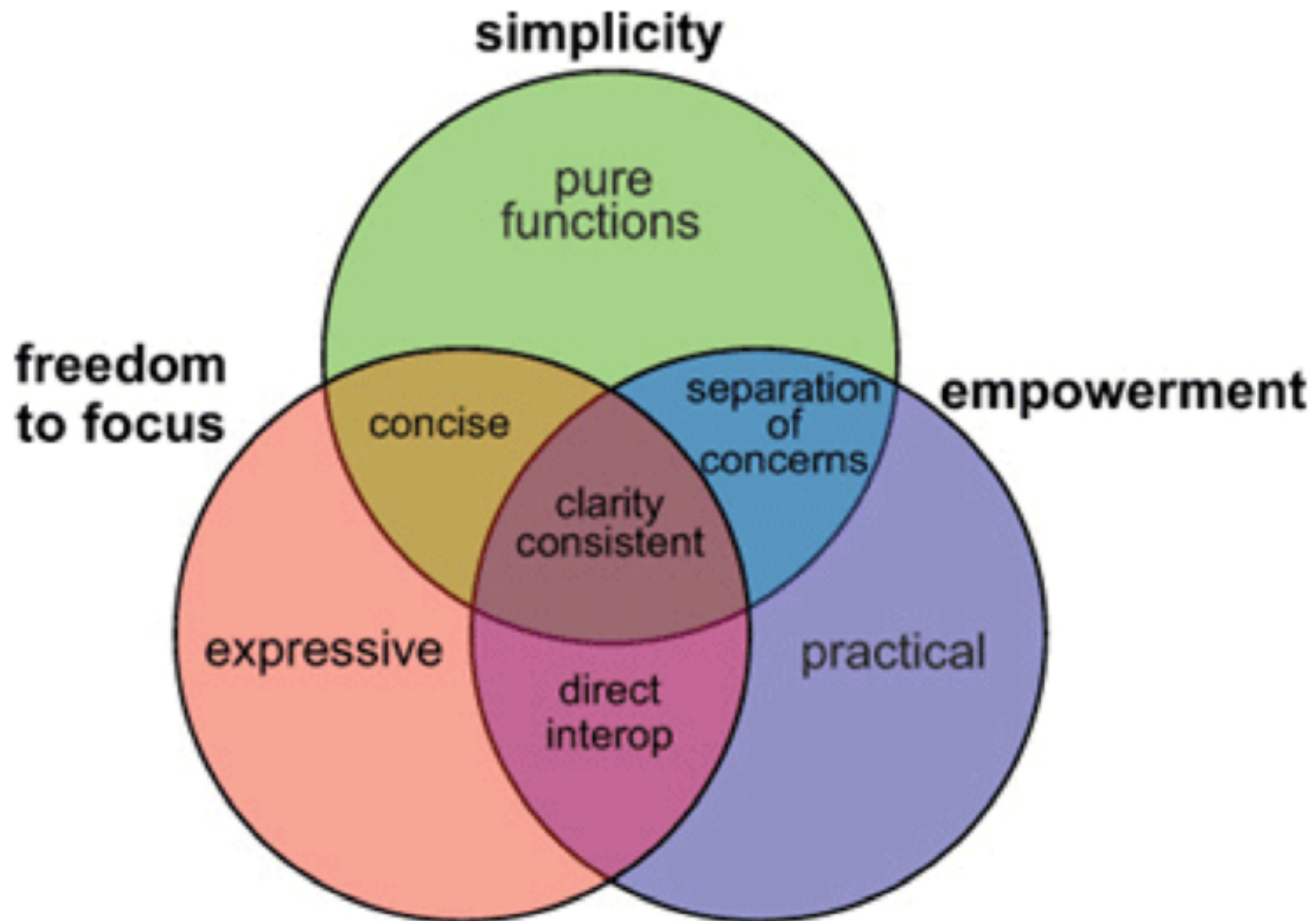
Q: What have been the biggest wins for you in using Clojure?



Q: What has been most frustrating for you in your use of Clojure; or, what has kept you from using Clojure more than you do now?



The ~~Closure~~ Way Lisp



Conferences

- StrangeLoop (all slides on github!)
- Clojure Conj
- ICFP
- ILC