Mission

Community
Experience

Stu's Experience

Your Experience

Q&A

Clojure in the Field

@stuarthalloway

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Mission

Community Experience

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Q&A

Information Systems

Memory

Records

Integrity

Leverage

Flexibility

Reach

Availability

Form Factor

Immediacy

The Laws of Physics

Memory is expensive

Storage is expensive

Machines are precious

Dedicated resources

C, C#, and Java:

Applying some of the best ideas of the 1970s to the problems of today.

A Comprehensive Plan

Representation

Value

Operation

Coordination

Interop

Simplicity

Integration

A Clojure-Inspired Stack

edn, Fressian

Clojure

Datomic

ClojureScript

Clojure/West
Portland, Oregon
March 18-20, 2013

A Clojure-Inspired Stack

edn, Fressian

Clojure

Datomic

ClojureScript

Mission

Community Experience

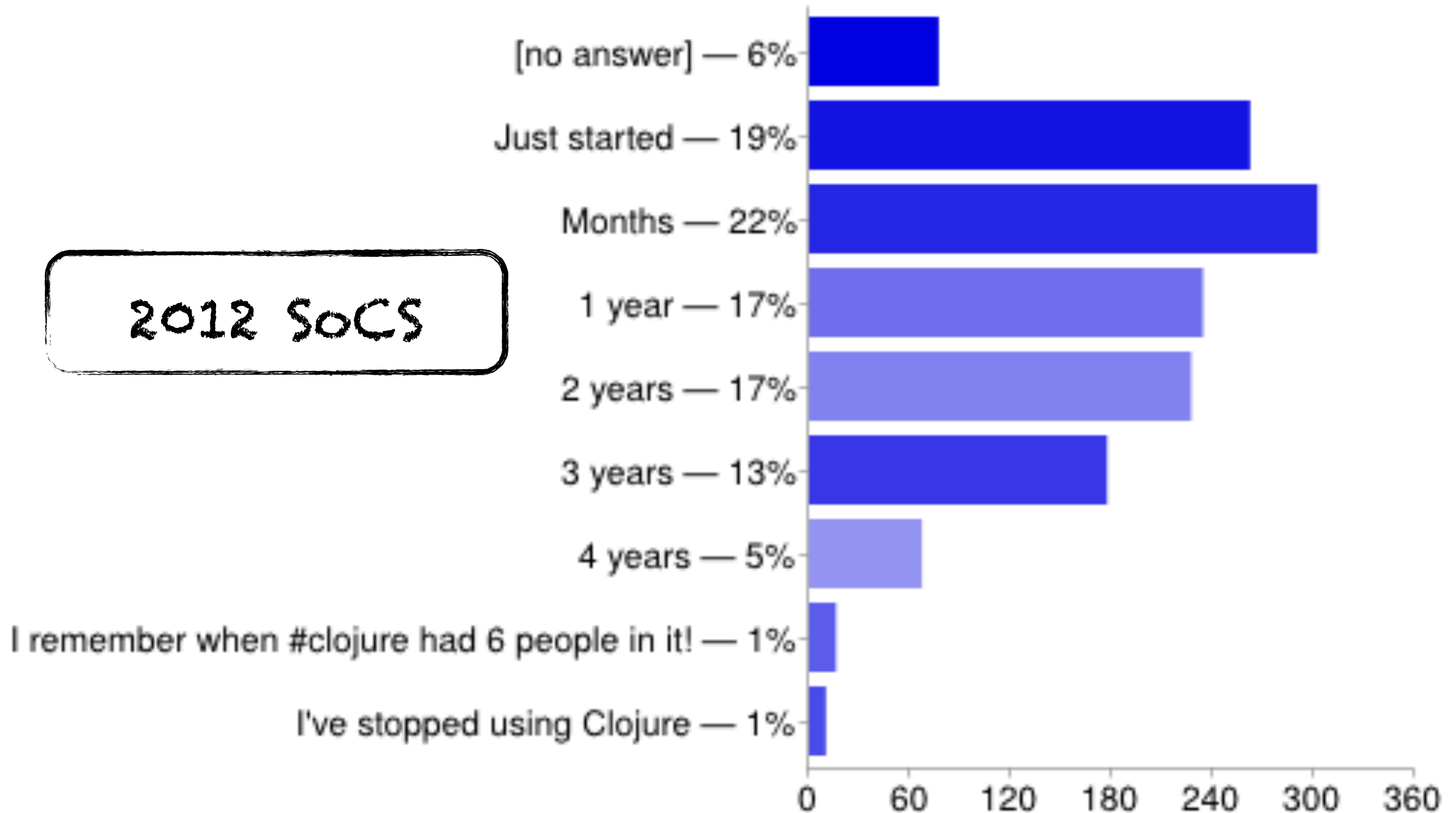Stu's Experience
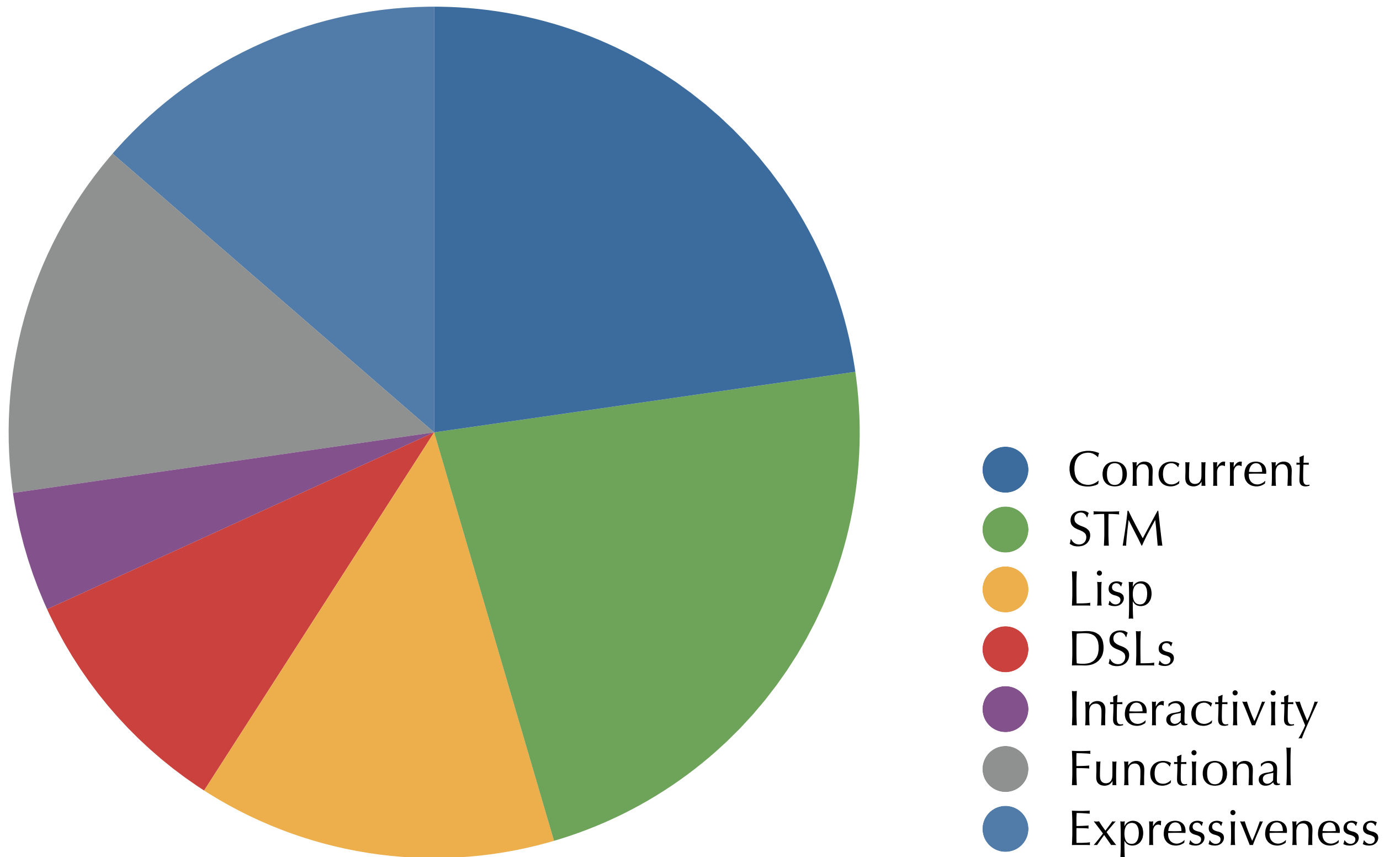
Your Experience

Q&A

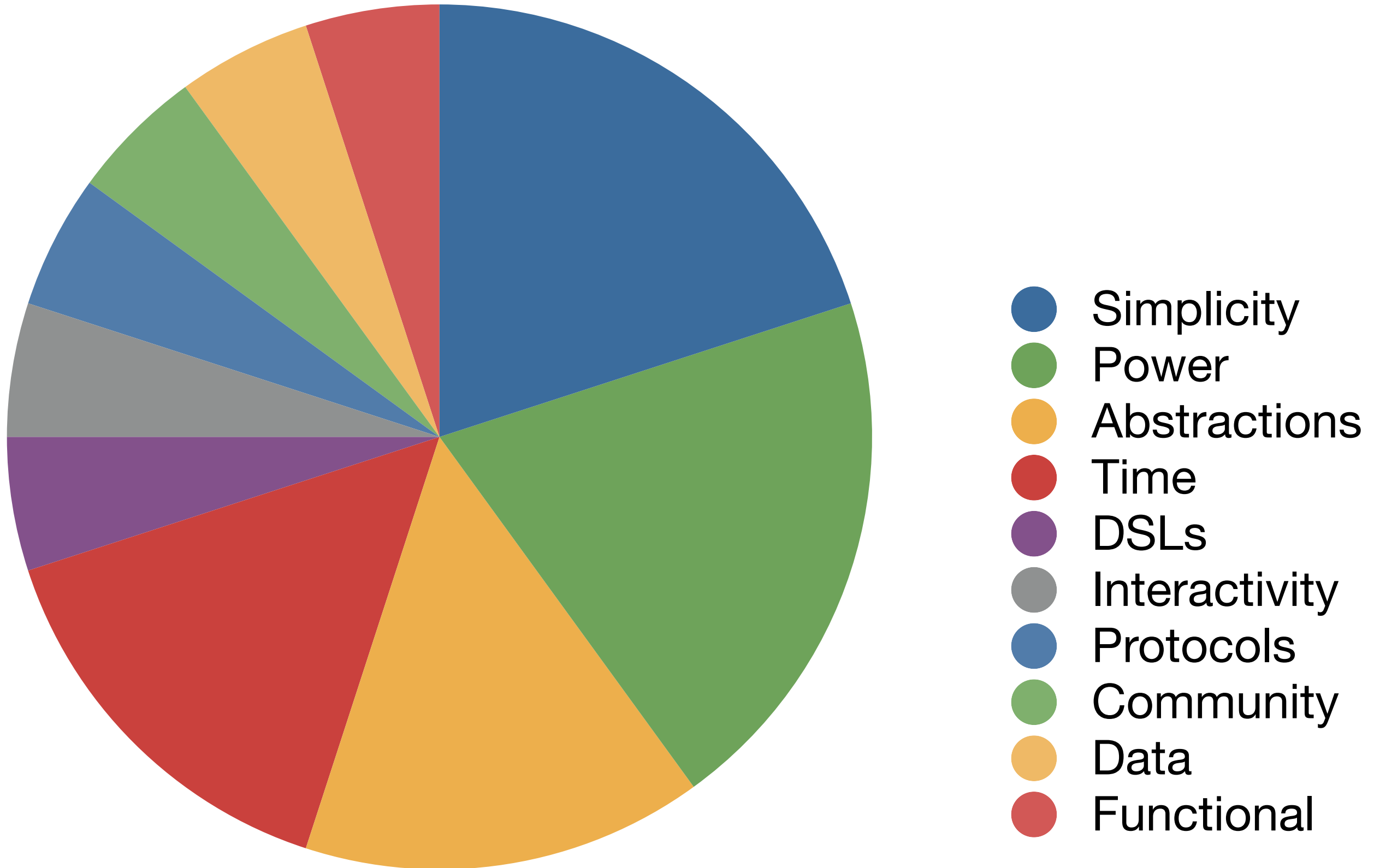# Clojure in the Field

@stuarthalloway

2012 SoCS

[no answer] — 6%
Just started — 19%
Months — 22%
1 year — 17%
2 years — 17%
3 years — 13%
4 years — 5%
I remember when #clojure had 6 people in it! — 1%
I've stopped using Clojure — 1%

1372 respondents
~6700 mailing list

Opportunity
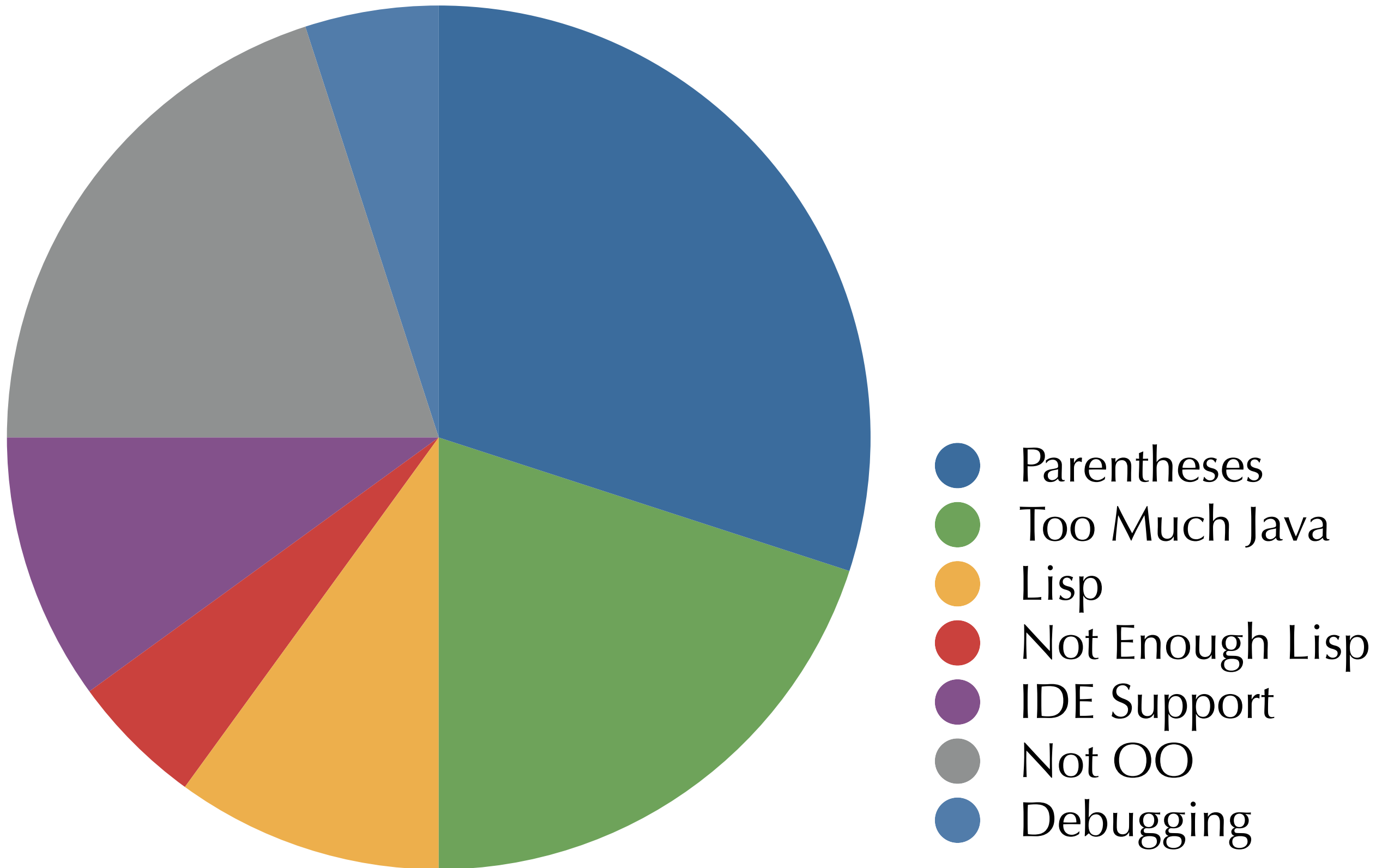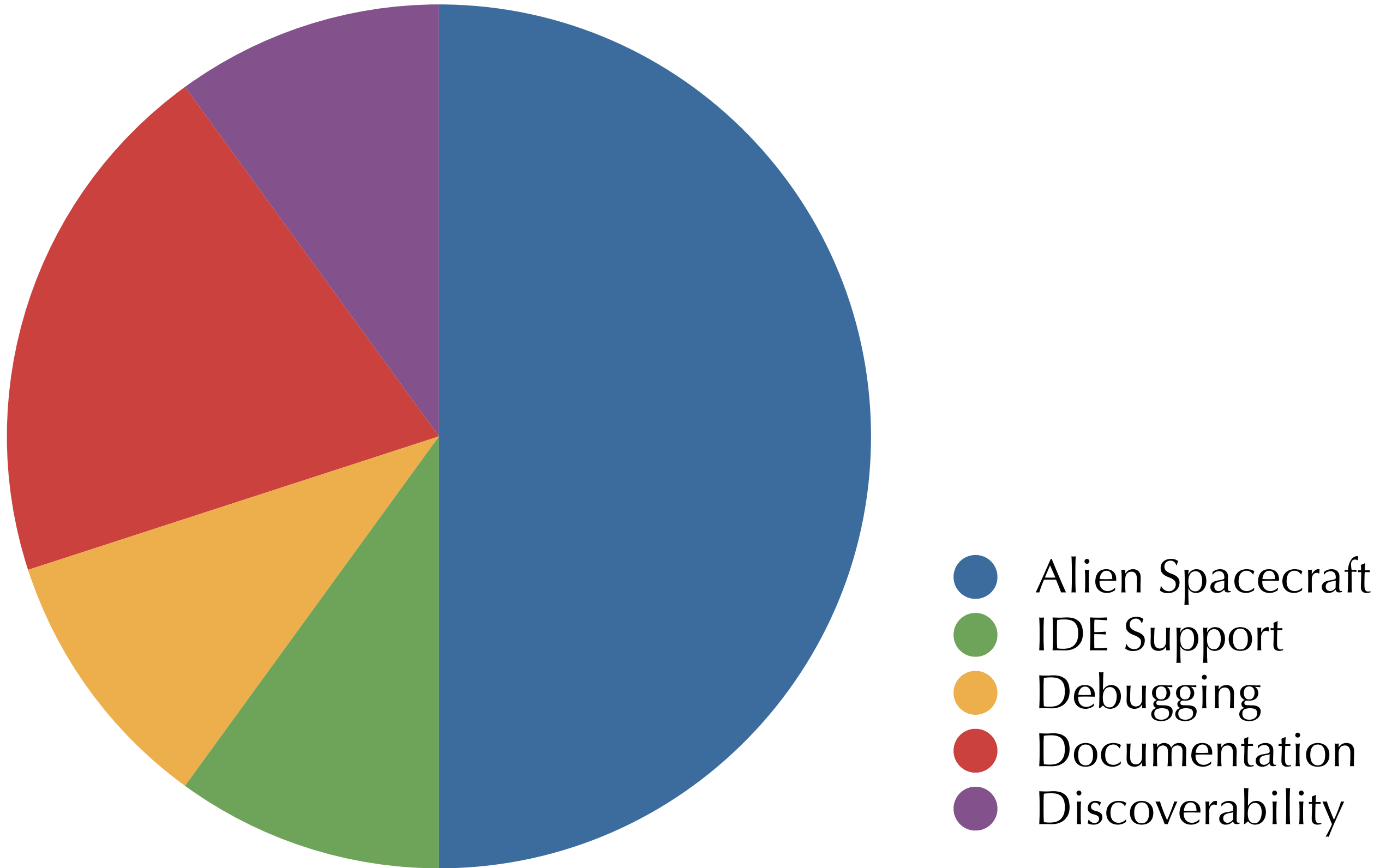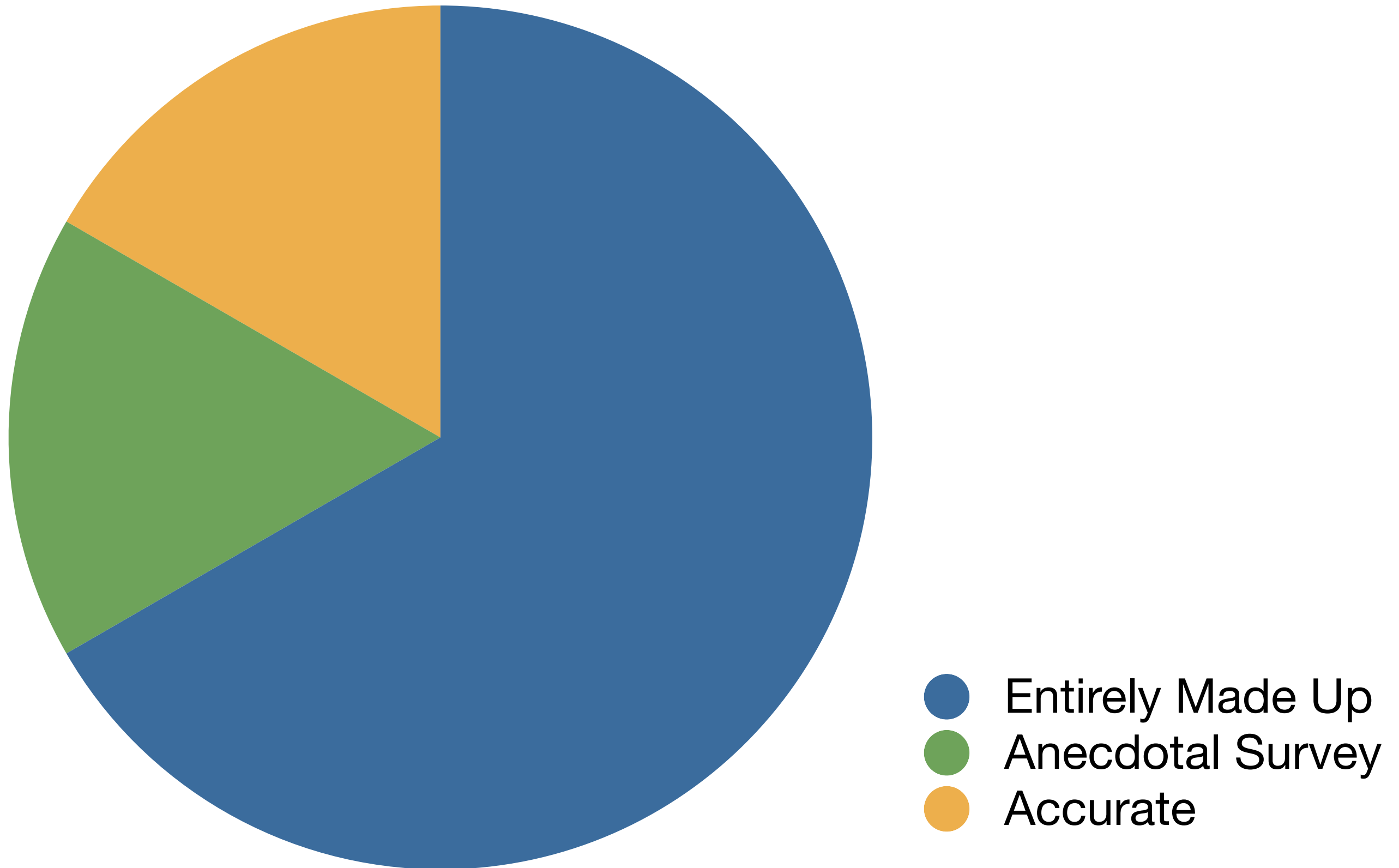
- ● Concurrent
- ● STM
- ● Lisp
- ● DSLs
- ● Interactivity
- ● Functional
- ● Expressiveness

Real Wins

Legend:
- Simplicity
- Power
- Abstractions
- Time
- DSLs
- Interactivity
- Protocols
- Community
- Data
- Functional

Fear

- Parentheses
- Too Much Java
- Lisp
- Not Enough Lisp
- IDE Support
- Not OO
- Debugging

Real Problems

Legend:
- Alien Spacecraft
- IDE Support
- Debugging
- Documentation
- Discoverability

Reliability of Charts

Entirely Made Up
Anecdotal Survey
Accurate

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Clojure in the Field

@stuarthalloway

How Clojure Helped Datomic

Simplicity

                                    values and references

                        protocols for simple components

Power

                                    performance, JVM libs

Focus

                                    tiny DRY codebase

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The deal

I will build a web prototype of your idea in two weeks for $5000. The timeline and price are both fixed. You get a completely functional website, all the code I write, and the chance to prove your idea.

Chris Granger's offer
May 2011

The rules

- I will build a prototype, not the final product.
- I will need all the designs/wireframes up front.
- I will build the site in Clojure.

Evaluating a Tool

Discoverability

Frequency of Use
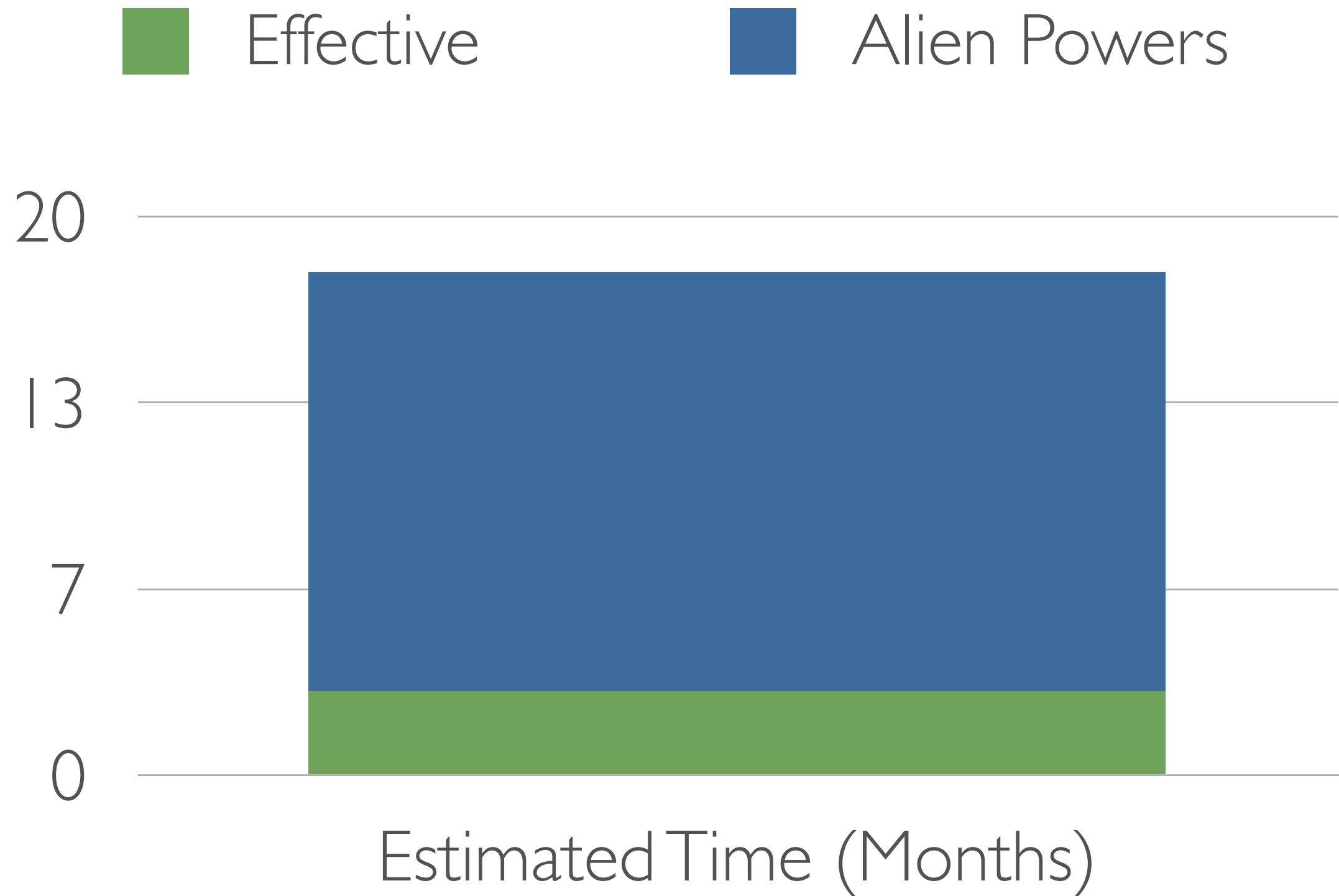
Power

Remember the Mission!

Memory

Records

Integrity

Leverage

Flexibility

Learning Clojure

Effective   Alien Powers

Estimated Time (Months)

Mission

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References

State of Clojure Survey,
http://cemerick.com/2012/08/06/results-of-the-2012-state-of-clojure-survey/

"I will build your prototype" offer,
http://iwbyp.chris-granger.com/

Datomic
http://www.datomic.com/

@stuarthalloway

https://github.com/stuarthalloway/presentations/wiki