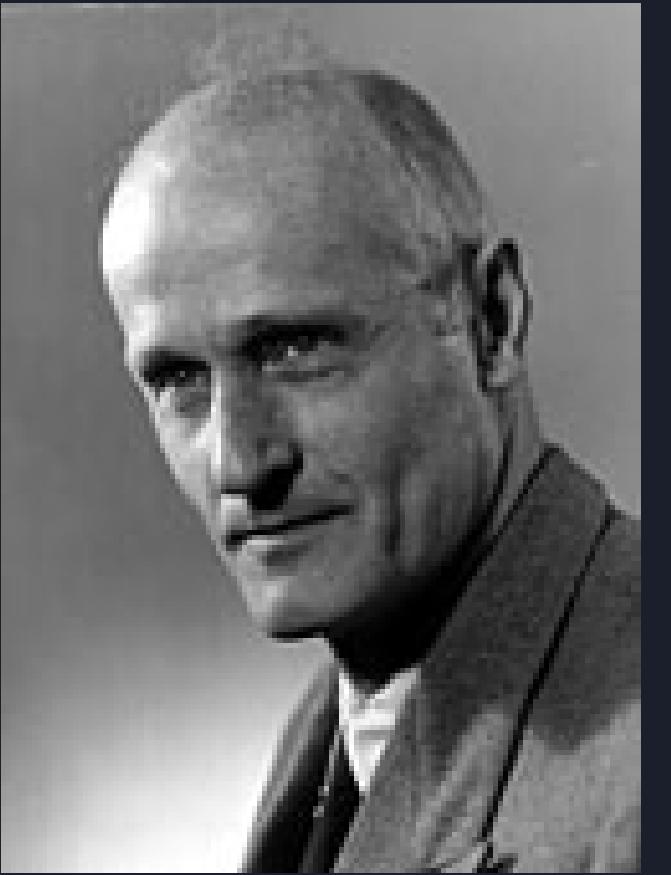




Ruby MasterClass
Gearing
Up

by Francisco Bach

**Regular Expression is not
a programming language!**



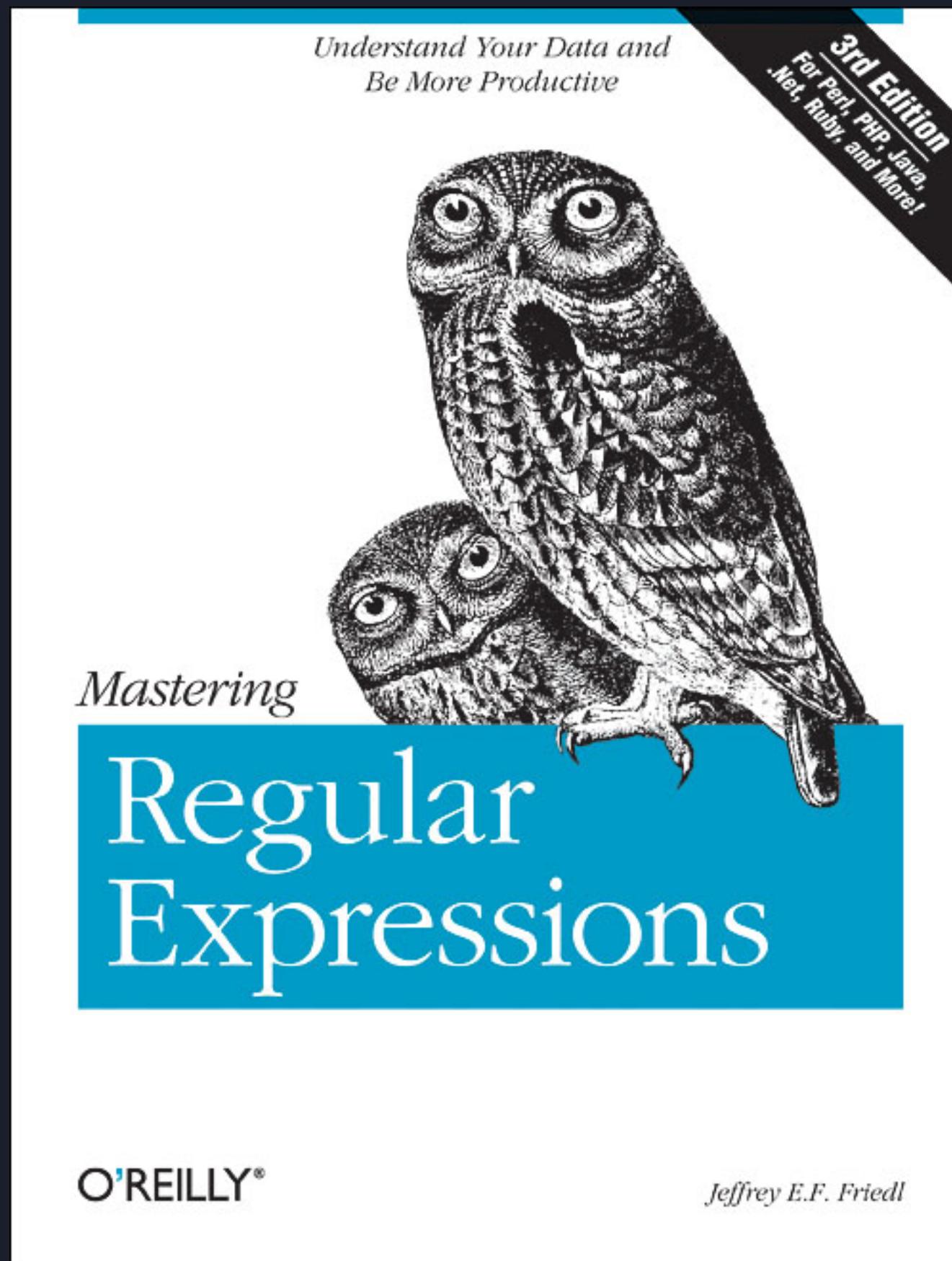
Stephen Cole Kleene

Concept creator

† January 25, 1994

**RegEx is simply a sequence of characters
that defines a search pattern.
A regular expression is, essentially, a search query.**

RegEx is short for Regular Expression



- Regular Expression examples

RegEx pattern with literal characters

/word/

RegEx pattern with meta characters

/\b[A-Z][a-z]*\b/

- Regular Expression examples

RegEx pattern to match many email formats*

`/\w+[-.\w]+@\w+\.\w+\.\w+/?\w+/`

johndoe@gmail.com

john.doe@gmail.co.uk

john-doe2000@info.net

john2000doe@yahoo.com

* A better pattern would be: `/[a-zA-Z0-9\+\-_\.]+\@[a-zA-Z\d\-_]+\.[a-zA-Z]+\./`

- Regular Expression examples

RegEx pattern that satisfies the RFC 5322 standard.

```
/(?:[a-zA-Z!#$%&'*+/=?^_`{|}~-]+(?:\.[a-zA-Z!#$%&'*+/=?^_`{|}~-]+)*|"(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21\x23-\x5b\x5d-\x7f]|\\"[\x01-\x09\x0b\x0c\x0e-\x7f])*")@(?:(:[a-zA-Z-]*[a-zA-Z])?\.)+[a-zA-Z](?:[a-zA-Z-]*[a-zA-Z])?|\[(?:(:25[0-5]|2[0-4][0-9]|01)?[0-9][0-9]?){3}(?:25[0-5]|2[0-4][0-9]|01)?[0-9][0-9]?|[a-zA-Z-]*[a-zA-Z](?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21-\x5a\x53-\x7f]|\\"[\x01-\x09\x0b\x0c\x0e-\x7f])+)\])/
```

<http://emailregex.com/email-validation-summary/>

johndoe@gmail.com

john.doe@gmail.co.uk

john-doe2000@info.net

john2000doe@yahoo.com