

Why can't tech get past 2nd grade biology

You are fine the way you are

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OpenShift/Red Hat
@TheSteve0 on Twitter, IRC, SmugMug, Github,
Ingress, Instagram, and Skype

<http://bit.ly/bio2tech>

Dr. Steve to you...

DOCTORAL DISSERTATIONS

Population response to spatial heterogeneity:
Hemilepistus reaumuri as a case study

[Link to Full Text](#)

[Steven Issac Citron-Pousty](#), *University of Connecticut*

SHARE

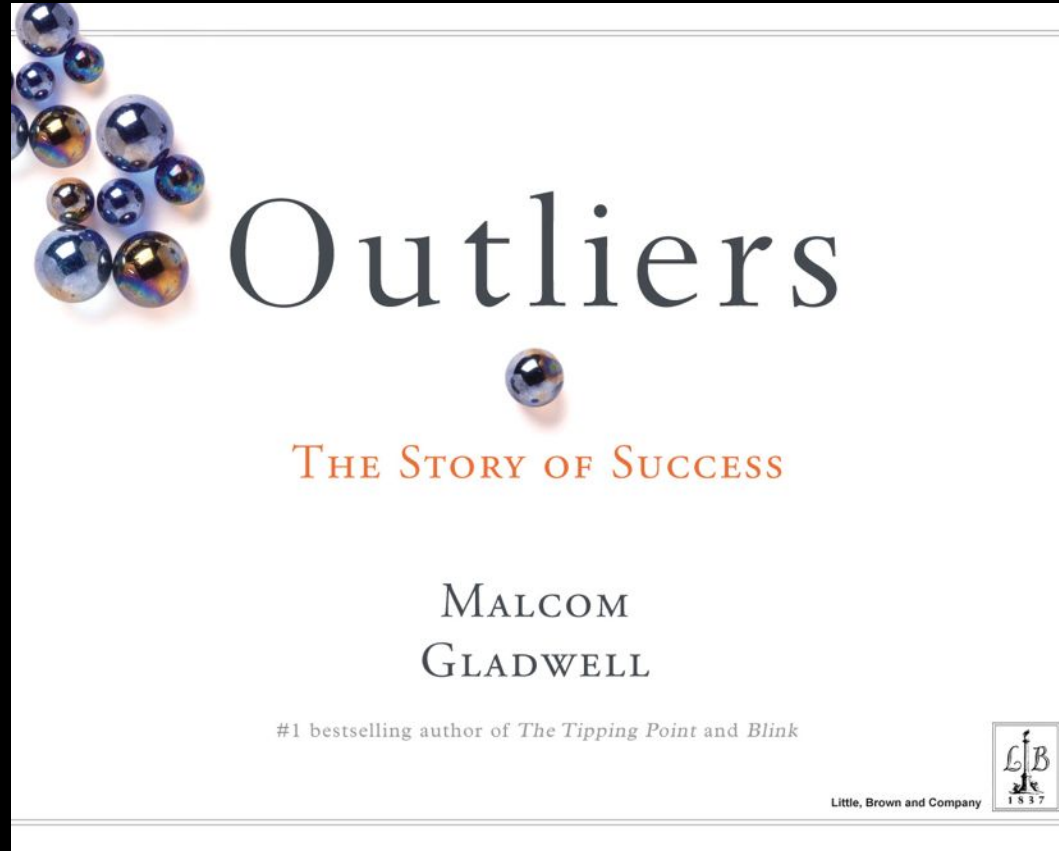




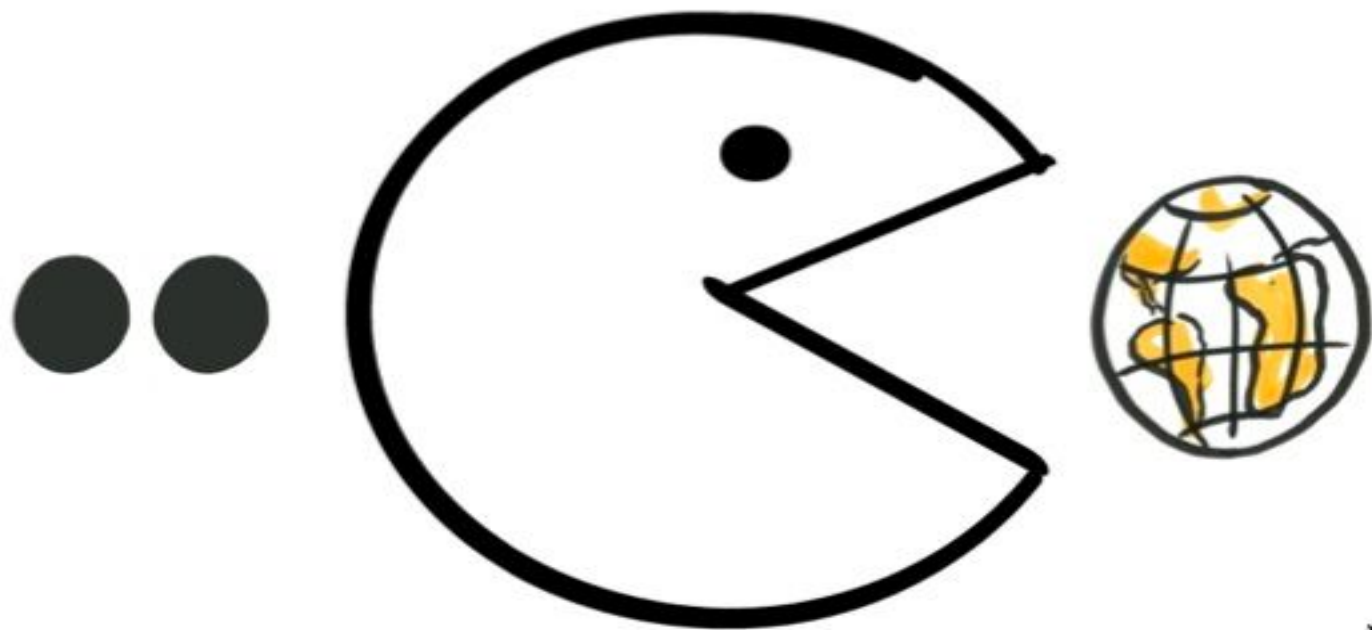


CASE ONE

In general, I think
software people
think they are
self-made

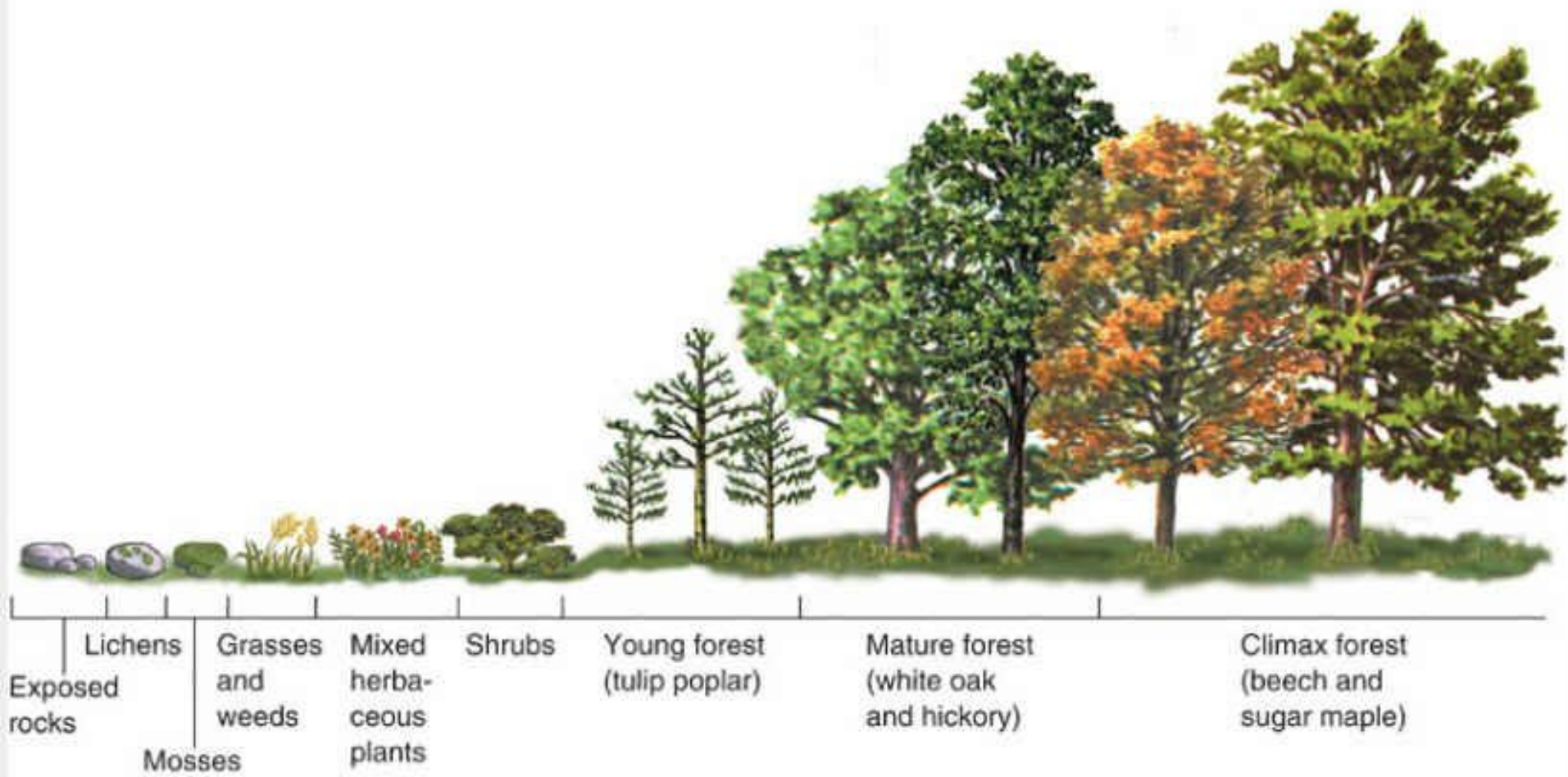


Software is eating up the world*



* Marc Andreessen
in Wall Street Journal

ALTERNATIVE





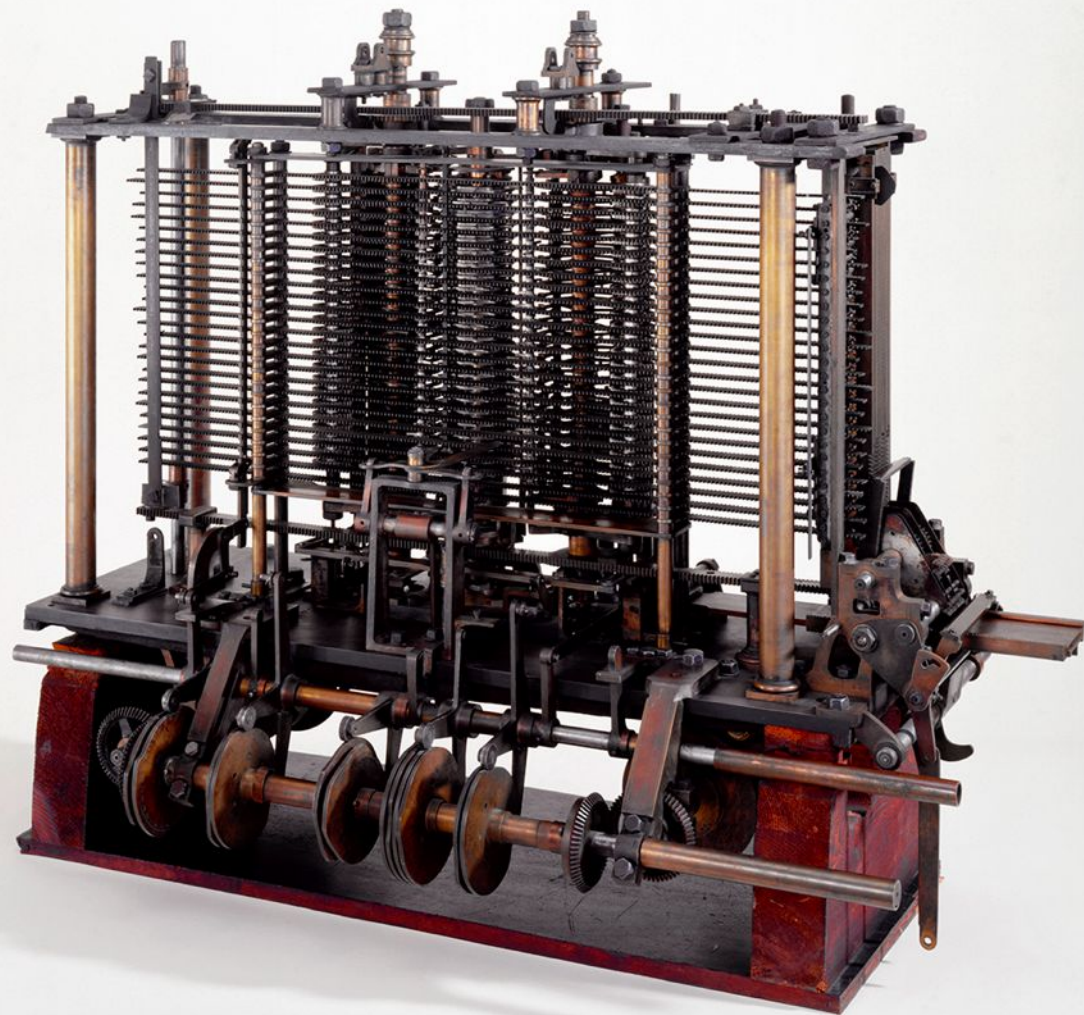






Hardware is the environment/soil

Software is the biological community







UPDATE MYPROC : TRUNC XLATE TOP BOTTOM NONUM NULLS
CMD => _

..... 1 2 3 4
000100 //MYPROC PROC
000200 //PSTEP01 EXEC PGM=IEBGGENER
000300 //SYSPRINT DD SYSOUT=A
000400 //SYSUT1 DD DSN=HERC03.DEMO.MYLIB(INPUT),
000500 // DISP=SHR
000600 //SYSUT2 DD SYSOUT=A
000700 //SYSIN DD DUMMY

.RUN ADV11

WELCOME TO ADVENTURE!! WOULD YOU LIKE INSTRUCTIONS?

YES

SOMEWHERE NEARBY IS COLOSSAL CAVE, WHERE OTHERS HAVE FOUND
FORTUNES IN TREASURE AND GOLD, THOUGH IT IS RUMORED
THAT SOME WHO ENTER ARE NEVER SEEN AGAIN. MAGIC IS SAID
TO WORK IN THE CAVE. I WILL BE YOUR EYES AND HANDS. DIRECT
ME WITH COMMANDS OF 1 OR 2 WORDS.

(ERRORS, SUGGESTIONS, COMPLAINTS TO CROWTHER)

(IF STUCK TYPE HELP FOR SOME HINTS)

YOU ARE STANDING AT THE END OF A ROAD BEFORE A SMALL BRICK
BUILDING . AROUND YOU IS A FOREST. A SMALL
STREAM FLOWS OUT OF THE BUILDING AND DOWN A GULLY.

GO IN

YOU ARE INSIDE A BUILDING, A WELL HOUSE FOR A LARGE SPRING.

THERE ARE SOME KEYS ON THE GROUND HERE.

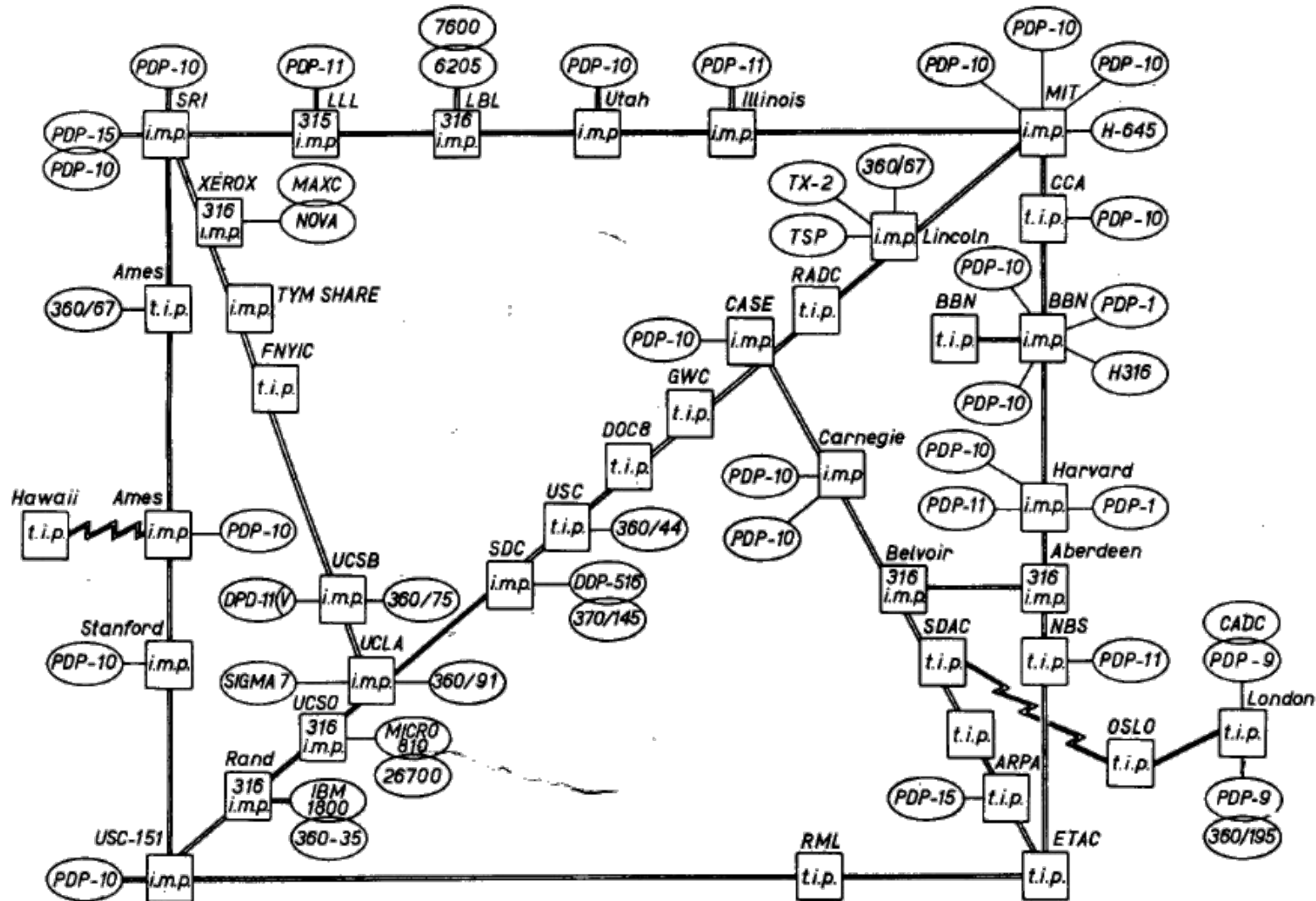
THERE IS A SHINY BRASS LAMP NEARBY.

THERE IS FOOD HERE.

THERE IS A BOTTLE OF WATER HERE.

It is not one changing without
influence from the other











MAIN MENU

System Commands

"P" to Pause
(SPACE) to abort
CTRL-O On-Line Help
CTRL-T Display System Time

J Join Conference(if avail)
W Extended Commands Menu
File Transfers
On-line Programs (Doors)
Defaults G-files

Message Subs

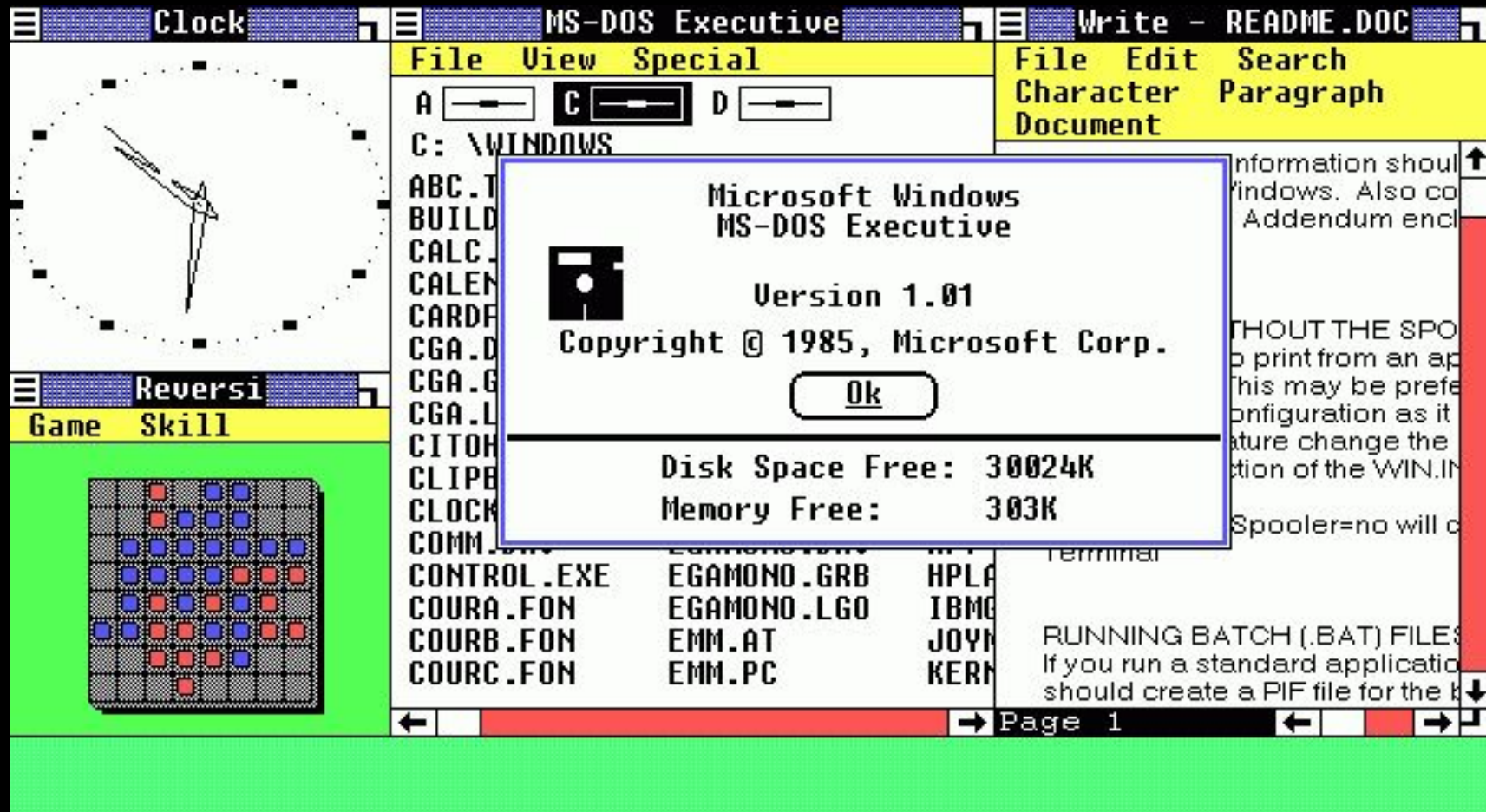
* List Available Subs N New Message scan
R Remove a Message Q N-Scan Current Sub
P Post a Message S Scan Message Titles
>,+ Advance one Sub # Z Continuous N-Scan
<,- Retreat one Sub # Goto Sub # Pressed

Electronic Mail

F Feedback to Sysop E E-Mail a User
M Mailbox scan K Kill E-mail You sent

Misc Commands

A Auto-Message
Log Off U User List C Chat with Sysop S System Info
Y our info B BS List V Voting Booth L Last Callers Today
X Toggle Expert/Novice





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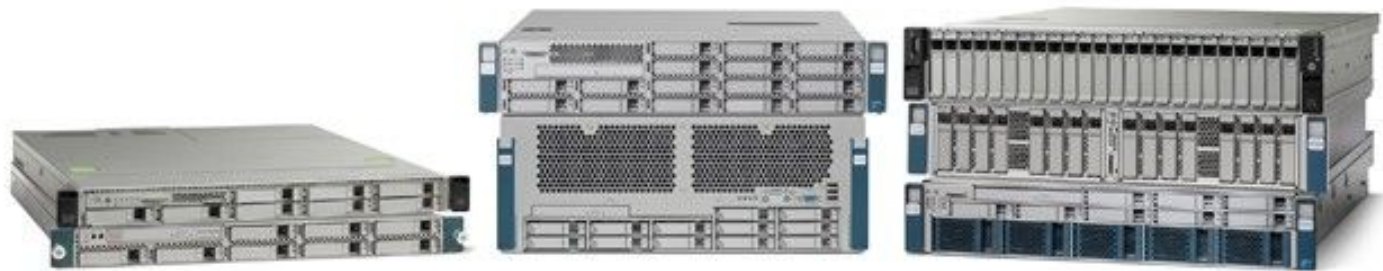
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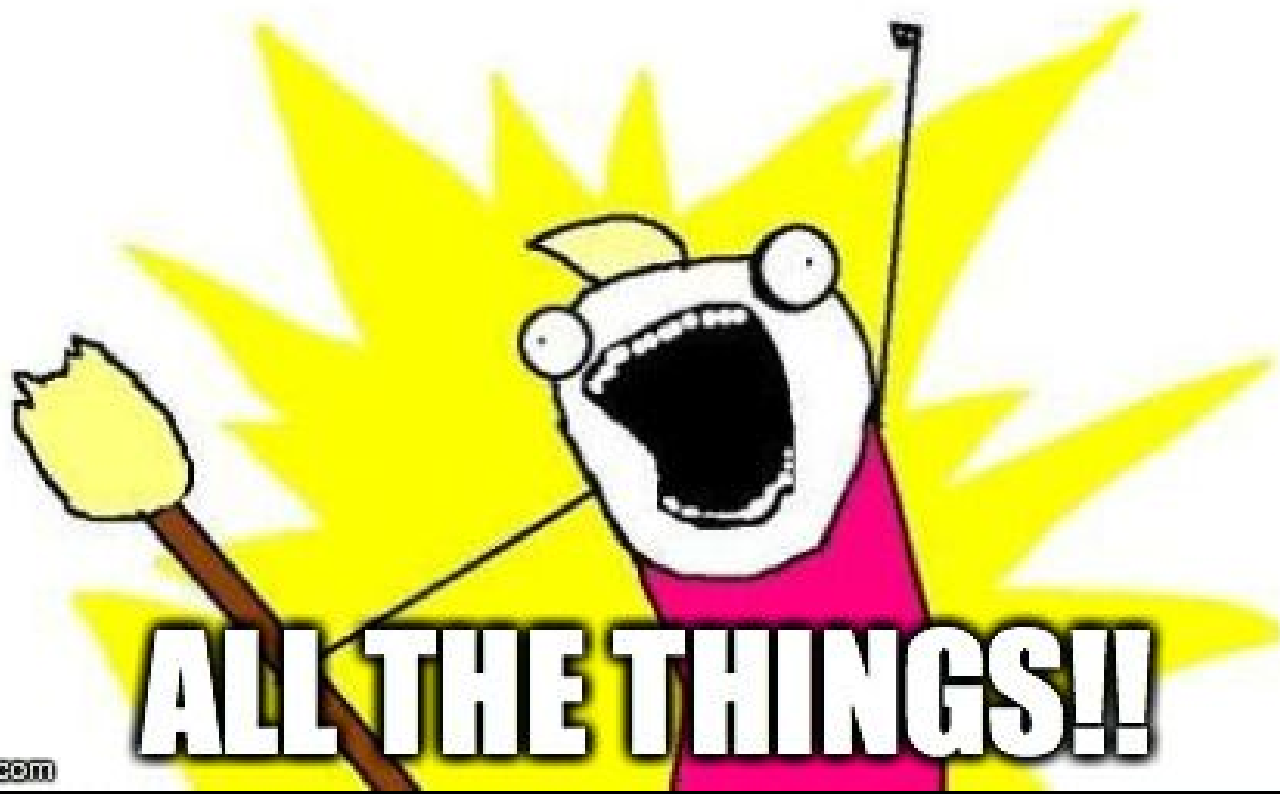
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MICROSERVICES



Microservices?

The combination of hardware **AND** software succession have created a new community– it is neither right or wrong – it just is. Does this community match the needs of your company – do you have the proper environment for it.

Neither Linear nor simple pairs

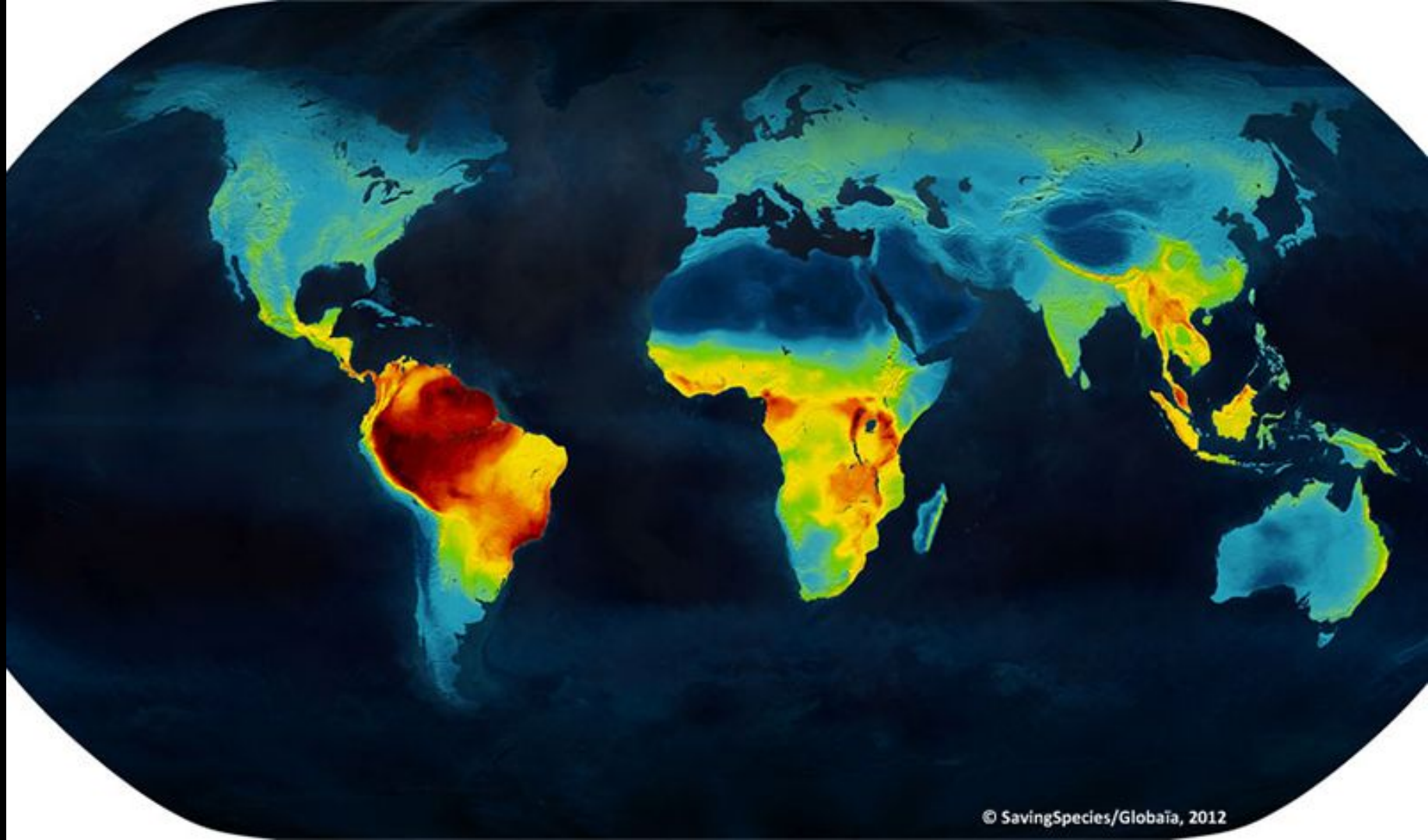


SDN

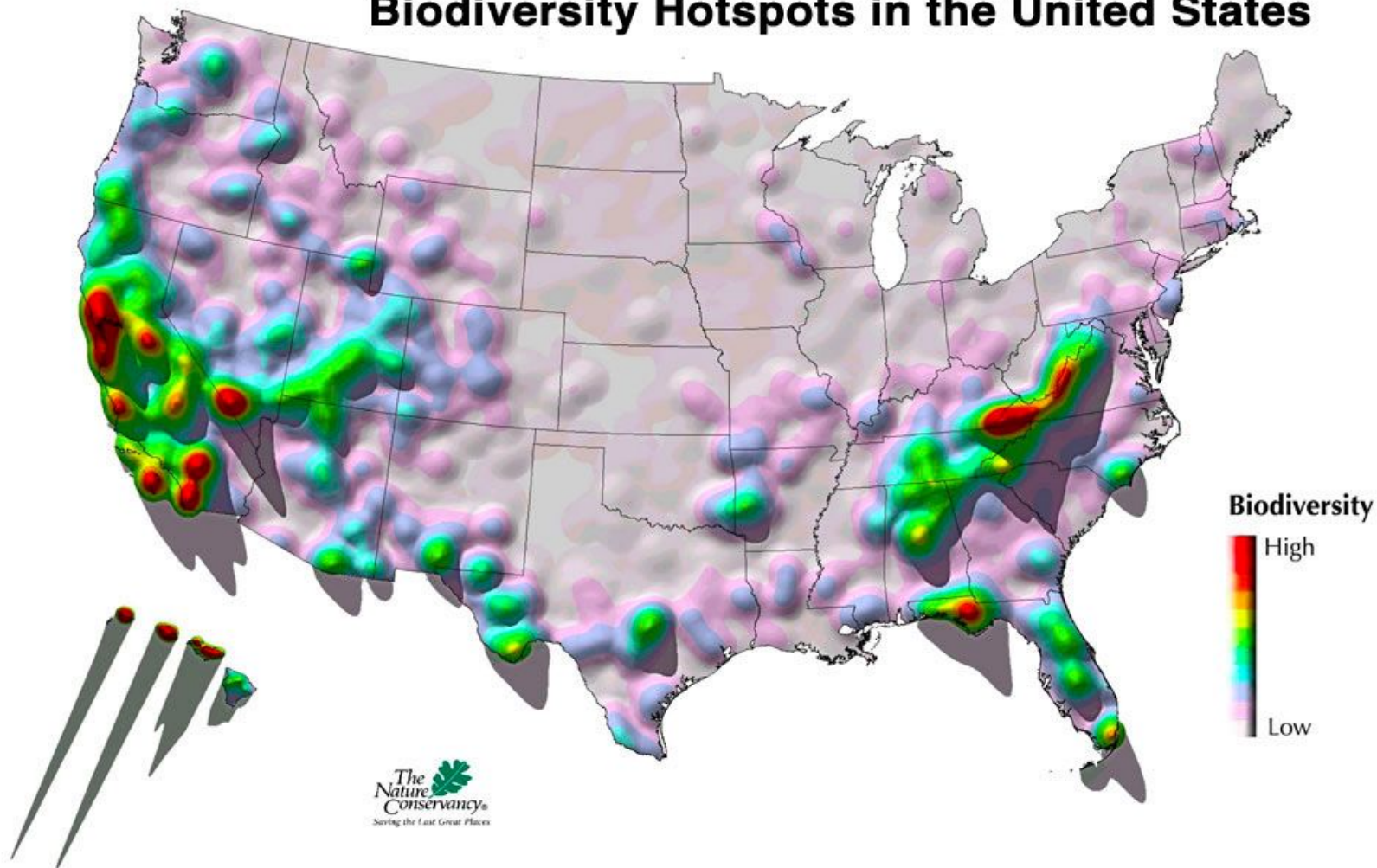
Pull it together

We find ourselves getting more and more diversity in options

This will continue.



Biodiversity Hotspots in the United States







We don't all have to be rainforests



CASE TWO

Google/Facebook Scale Envy

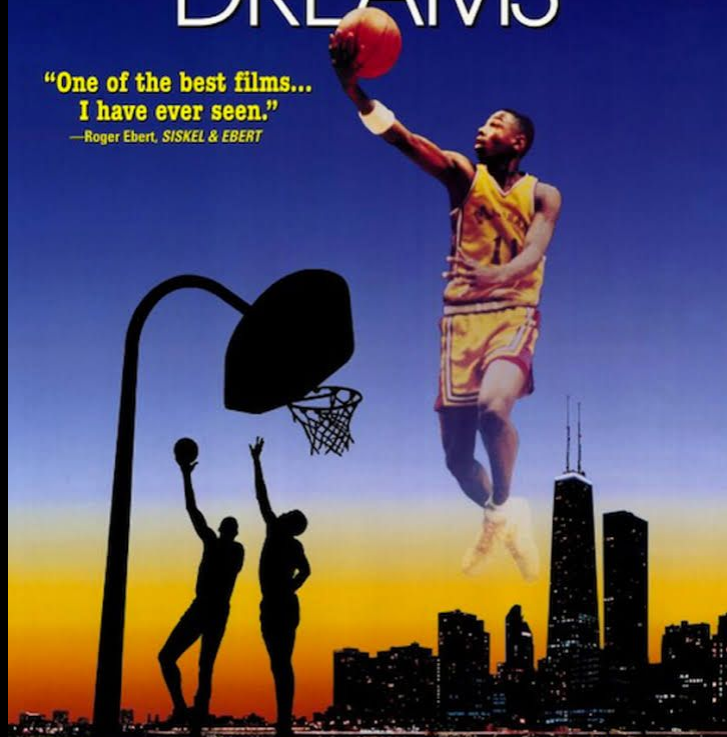
"ONE OF THE BEST MOVIES OF THE YEAR!"

—Peter Travers, *ROLLING STONE*

HOOP DREAMS

**"One of the best films...
I have ever seen."**

—Roger Ebert, *SISKEL & EBERT*



FINE LINE FEATURES PRESENTS A KARTHEIMER FILMS AND IFC-TV PRODUCTION A FILM BY STEVE JAMES-FREDERICK MOSKY PETER GILBERT "HOOP DREAMS"
STARRING ARTHUR AGEÉ WILLIAM GATES MUSIC PRODUCER BEN SIDMAN CREATIVE CONSULTANT GORDON QUINN EDITED BY FREDERICK MARK STEVE JAMES BILL HAUKSE
DIRECTOR OF PHOTOGRAPHY PETER GILBERT EXECUTIVE PRODUCERS GORDON QUINN CATHERINE ALLAN
PRODUCED BY FREDERICK MARK STEVE JAMES PETER GILBERT DIRECTED BY STEVE JAMES



Companies 250 - 2500 employees

\$500K¹

43%¹

119 people²

Google

2 Billion¹

25,000¹

Unpatented Custom Chip²

230 Billion²

1. <http://bgr.com/2015/09/18/size-of-google-source-code-lines/>

2. <http://www.forbes.com/sites/quentinhardy/2011/06/11/google-scale-changes-everything/>

**TELL ME AGAIN HOW
YOU**

NEED GOOGLE SCALE

There is a lot of...

Fun

&

\$

in all the places below #1

Just set your expectations



Cape May warbler

New needles and
buds at top of tree



Blackburnian warbler

New needles and buds
of upper branches



Black-throated
green warbler

New needles and buds
and some older needles



Bay-breasted
warbler

Old needles and bare
and lichen-covered
middle branches



Yellow-rumped
warbler

Bare or lichen-covered lower
trunk and middle branches

FIGURE 5.19 Niche Specialization Although all of these warblers have similar feeding habits, the intensity of competition is reduced because they search for insects on different parts of the tree.

The question is not:
How do I become Google Scale?

The question is:
How do I get to work with fulfilling
technology that makes my job
better

The world is not only:

Competition

Predatory-Prey

but also

Successional Dynamics

Niche Differentiation

...

Take homes:

You are not eating nor do you need
to be eating the world

You don't need to be Google scale

You need to be using
appropriate
and
fulfilling
technology for your actual work

Fin

Would love more discussion @TheSteve0

<http://bit.ly/bio2tech>