MY FAVORITE XKCD COMICS

ROMANCE, SARCASM, MATH, AND LANGUAGE

Author/Artist: Randall Munroe

Background: degree in physics

What: xkcd, a webcomic, no meaning to the name "X" "K" "C" "D"

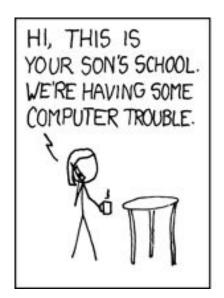
TOPICS

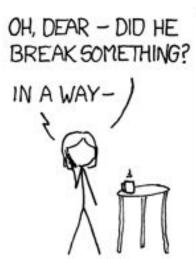
There are many topics Mr. Munroe discusses:

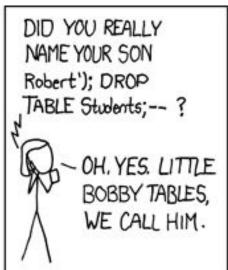
- Math!
- Astronomy
- Physics
- The Internet
- Graphs!
- Social norms
- Computer Science! ****
- Many others

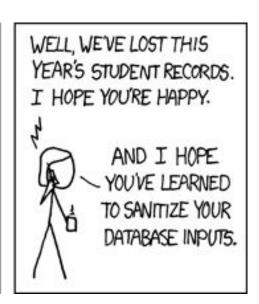
A SUBSET OF MY FAVORITES, IN NO ORDER

1: Exploits of a Mom







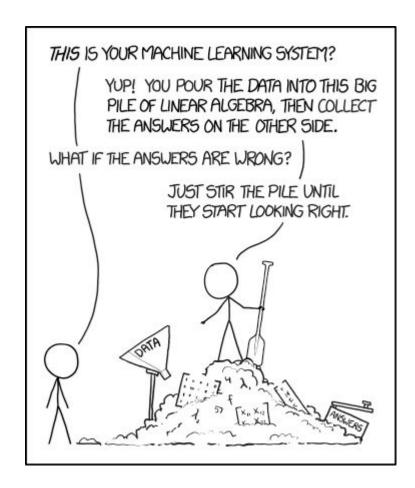


MO: Her daughter is named Help I'm trapped in a driver's license factory.

THIS IS GIT. IT TRACKS COLLABORATIVE WORK ON PROJECTS THROUGH A BEAUTIFUL DISTRIBUTED GRAPH THEORY TREE MODEL. COOL. HOU DO WE USE IT? NO IDEA. JUST MEMORIZE THESE SHELL COMMANDS AND TYPE THEM TO SYNC UP. IF YOU GET ERRORS, SAVE YOUR WORK ELSEWHERE, DELETE THE PROJECT, AND DOUNLOAD A FRESH COPY.

Git - this is so appropriate!

MACHINE LEARNING

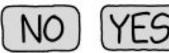


AI

Speaking of ML....

TO COMPLETE YOUR REGISTRATION, PLEASE TELL US WHETHER OR NOT THIS IMAGE CONTAINS A STOP SIGN:





ANSWER QUICKLY—OUR SELF-DRIVING CAR IS ALMOST AT THE INTERSECTION.

50 MUCH OF "AI" IS JUST FIGURING OUT WAYS TO OFFLOAD WORK ONTO RANDOM STRANGERS.

AND SPEAKING OF CROWDSOURCING...

WE CROWDSOURCE THE DESIGN PROCESS ALLOWING THOSE WITH THE BEST DESIGNS TO CONNECT-VIA ALREADY-IN-PLACE SOCIAL NETWORKING INFRASTRUCTURE-WITH INTERESTED MANUFACTURERS. DISTRIBUTORS AND MARKETERS.

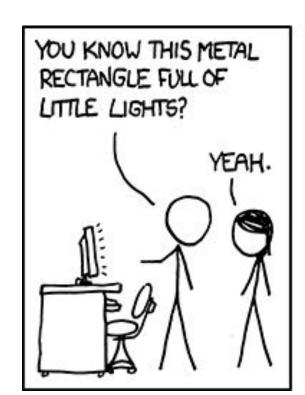
NOBODY CAUGHT ON THAT OUR BUSINESS PLAN DIDN'T INVOLVE US IN ANY WAY— IT WAS JUST A DESCRIPTION OF OTHER PEOPLE MAKING AND SELLING PRODUCTS.

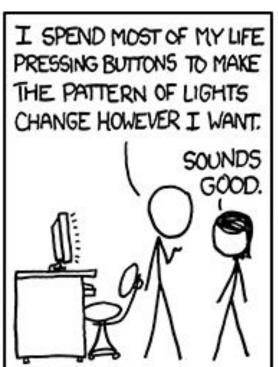
CLASSIFICATION VS. LOOKUP

5 years??



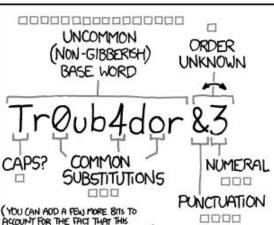
IN CS, IT CAN BE HARD TO EXPLAIN THE DIFFERENCE BETWEEN THE EASY AND THE VIRTUALLY IMPOSSIBLE.







PASSWORDS





THE Os WAS A ZERO?

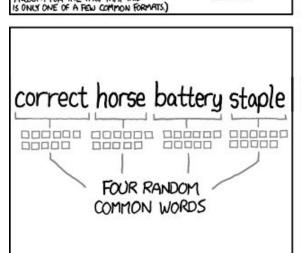
AND THERE WAS SOME SYMBOL...

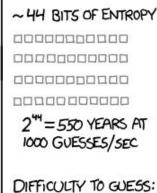
DIFFICULTY TO REMEMBER:

HARD

WAS IT TROMBONE? NO,

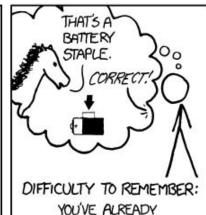
TROUBADOR, AND ONE OF





HARD

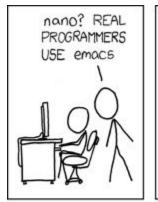
EASY



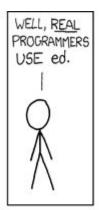
MEMORIZED IT

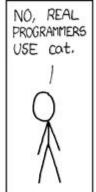
THROUGH 20 YEARS OF EFFORT, WE'VE SUCCESSFULLY TRAINED EVERYONE TO USE PASSWORDS THAT ARE HARD FOR HUMANS TO REMEMBER. BUT FASY FOR COMPUTERS TO GUESS

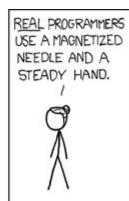
REAL PROGRAMMERS

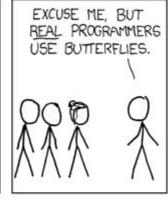














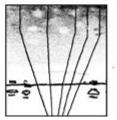
THE DISTURBANCE RIPPLES OUTWARD, CHANGING THE FLOW OF THE EDDY CURRENTS IN THE UPPER ATMOSPHERE.

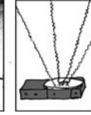


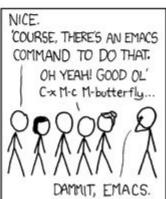


THESE CAUSE MOMENTARY POCKETS OF HIGHER-PRESSURE AIR TO FORM,

WHICH ACT AS LENSES THAT DEFLECT INCOMING COSMIC RAYS, FOCUSING THEM TO STRIKE THE DRIVE PLATTER AND FLIP THE DESIRED BIT.







WORKFLOW

Speaking of emacs:

LAIEST: 10.17

UPDAIL

CHANGES IN VERSION 10.17: THE CPU NO LONGER OVERHEATS WHEN YOU HOLD DOWN SPACEBAR.

COMMENTS:

LONGTIME USERY WRITES:

THIS UPDATE BROKE MY WORKFLOW!
MY CONTROL KEY IS HARD TO REACH,
SO I HOUD SPACEBAR INSTEAD, AND I
CONFIGURED EMACS TO INTERPRET A
RAPID TEMPERATURE RISE AS CONTROL.

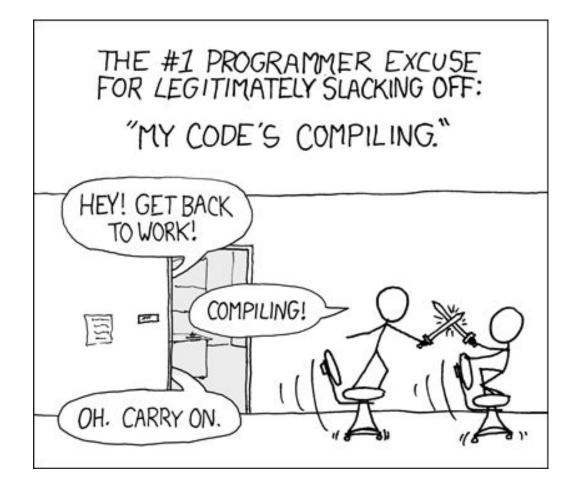
ADMIN WRITES: THAT'S HORRIFYING.

LOOK, MY SETUP WORKS FOR ME. JUST ADD AN OPTION TO REENABLE SPACEBAR HEATING.

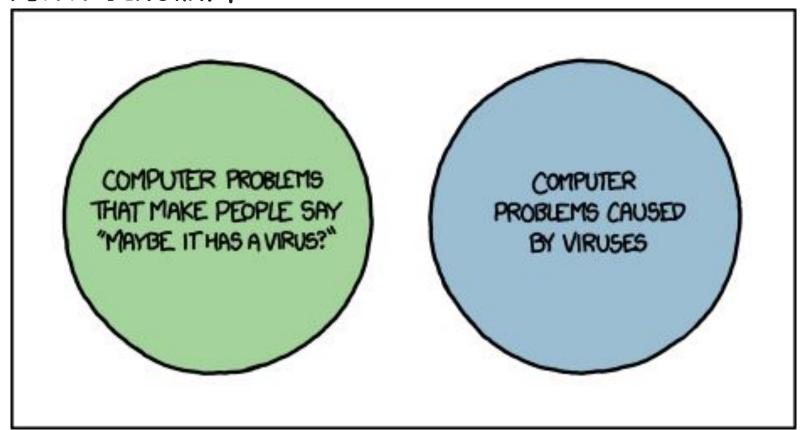
EVERY CHANGE BREAKS SOMEONE'S WORKFLOW.

COMPILING

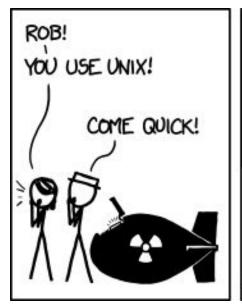
Maybe next: "Training"



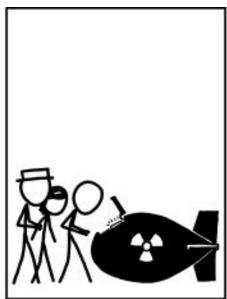
VIRUS VENN DIAGRAM

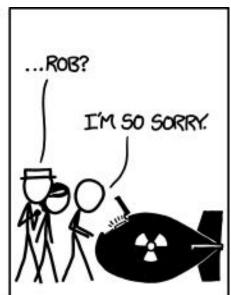


TAR OR DIE

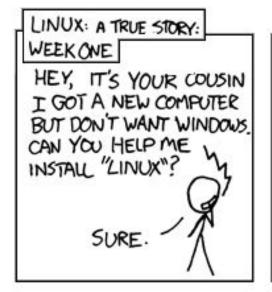


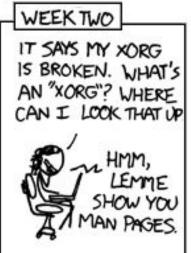


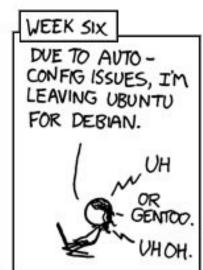


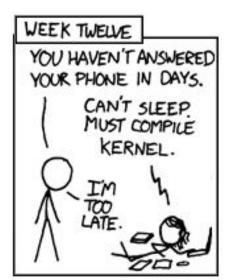


CAUTIONARY TALE ABOUT LINUX



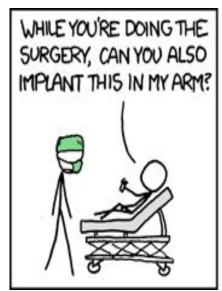


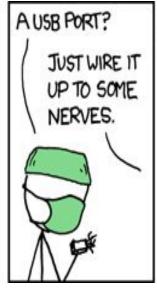


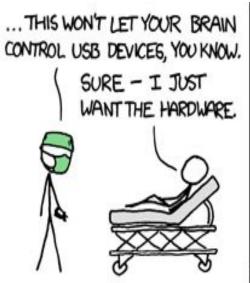


PARENTS: TALK TO YOUR KIDS ABOUT LINUX... BEFORE SOMEBODY ELSE DOES.

AH, LINUX









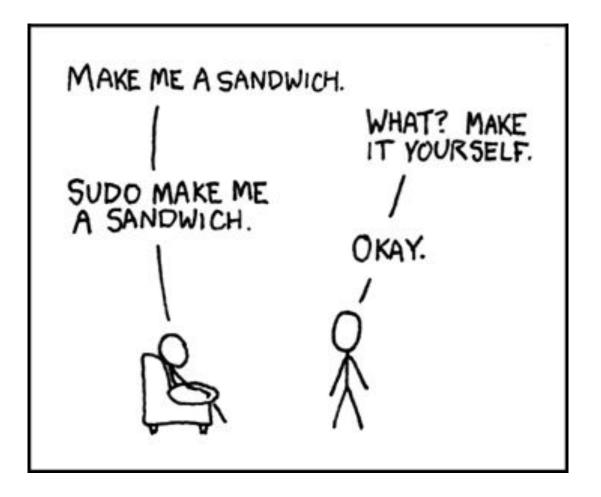
LINUX SUPPORT....

Sometimes one must wonder how many users need a particular feature!

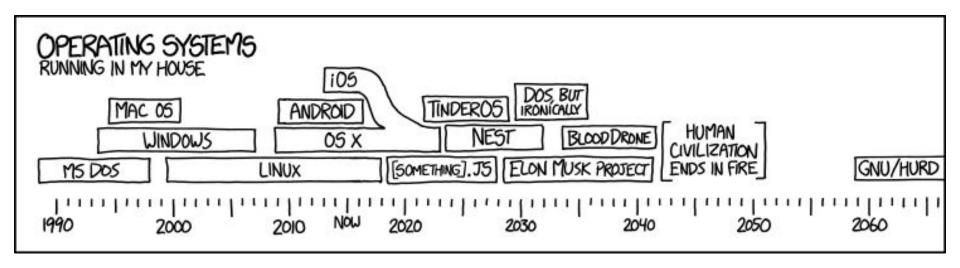
IT TOOK A LOT OF WORK, BUT THIS LATEST LINUX PATCH ENABLES SUPPORT FOR MACHINES WITH 4,096 CPUs, UP FROM THE OLD LIMIT OF 1,024. DO YOU HAVE SUPPORT FOR SMOOTH FULL-SCREEN FLASH VIDEO YET? NO, BUT WHO USES THAT?

SUDO

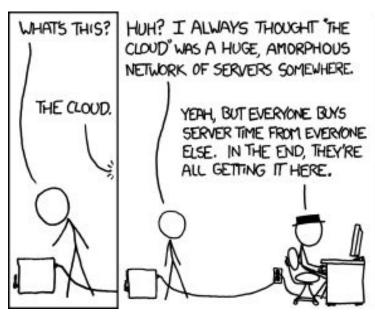
Thanks, Rafi, for the shirt!



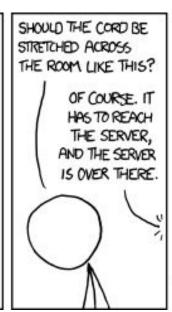
OPERATING SYSTEMS

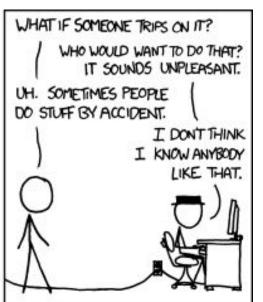


THE CLOUD

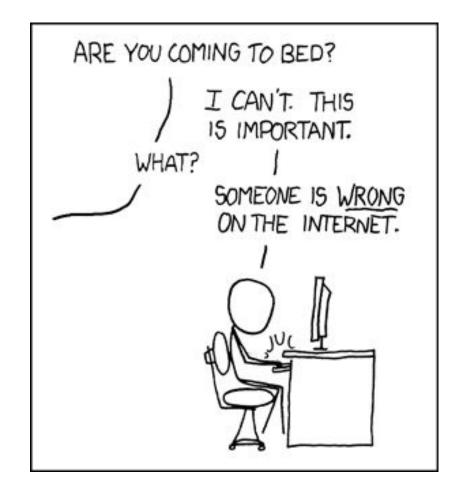




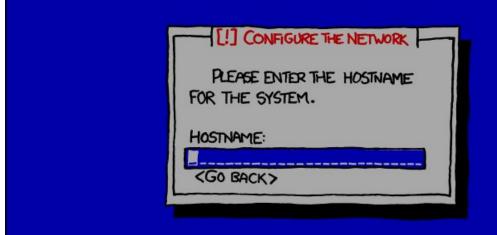




SOMEONE WRONG?



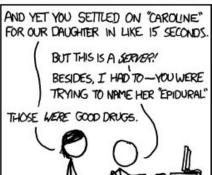
SERVER NAMES









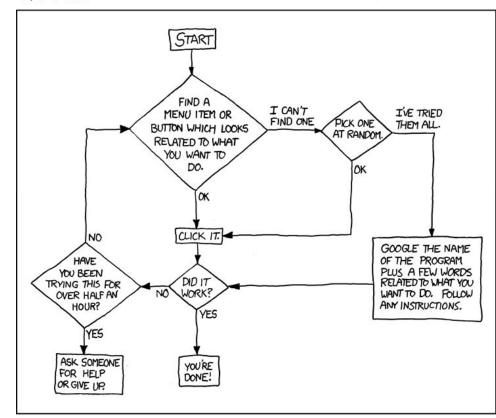


TECH SUPPORT

Mostly true....

DEAR VARIOUS PARENTS, GRANDPARENTS, CO-WORKERS, AND OTHER "NOT COMPUTER PEOPLE."

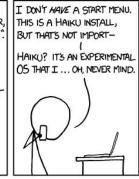
WE DON'T MAGICALLY KNOW HOW TO DO EVERYTHING IN EVERY PROGRAM. WHEN WE HELP YOU, WE'RE USUALLY JUST DOING THIS:

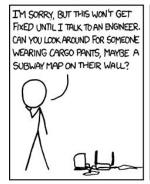


PLEASE PRINT THIS FLOWCHART OUT AND TAPE IT NEAR YOUR SCREEN. CONGRATULATIONS; YOU'RE NOW THE LOCAL COMPUTER EXPERT!

TECH SUPPORT BY PHONE

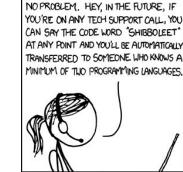








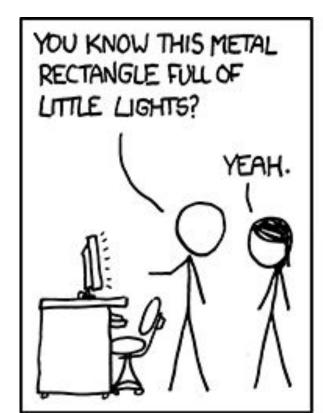


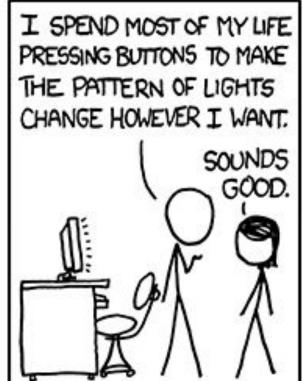






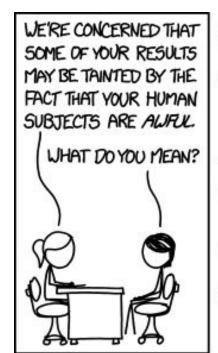
COMPUTER PROBLEMS







HUMAN SUBJECTS

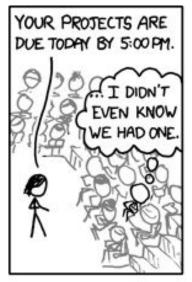




IN YOUR PRISONER'S DILEMMA STUDY, 80% OF THE PARTICIPANTS CHOSE TO BETRAY THEIR PARTNERS BEFORE THE EXPERIMENTER HAD A CHANCE TO TELL THEM ABOUT THE REWARD. DEFINITELY TROUBLING.



STUDENT NIGHTMARE....





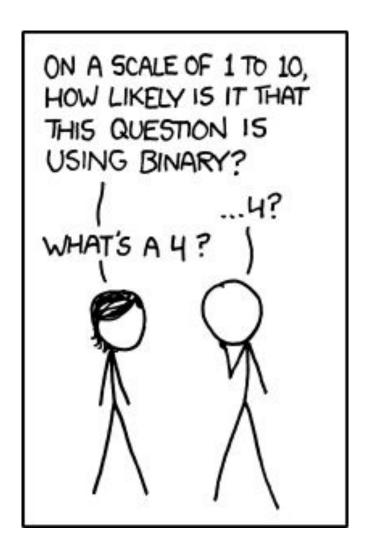




FUN FACT: DECADES FROM NOW, WITH SCHOOL A DISTANT MEMORY, YOU'LL STILL BE HAVING THIS DREAM.

CAN'T VOCALIZE THIS ONE:

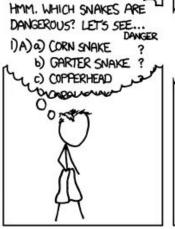
MO: If you get an 11/100 on a CS test, but you claim it should be counted as a 'C', they'll probably decide you deserve the upgrade.

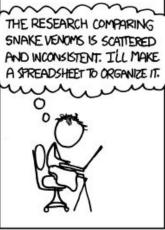


DFS





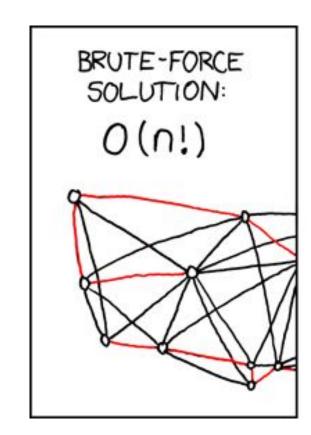


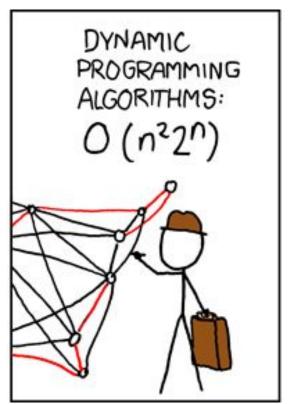




I REALLY NEED TO STOP USING DEPTH-FIRST SEARCHES.

NON-TRAVELING SALESMAN PROBLEM....?

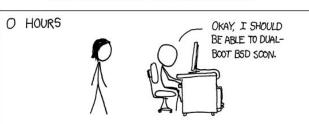




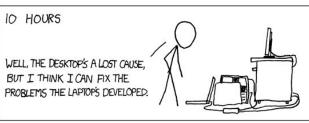


STANDARDS....

AS A PROJECT WEARS ON, STANDARDS FOR SUCCESS SLIP LOWER AND LOWER.









WHAT IF?

What if there was a robot apocalypse? How long would humanity last?

https://what-if.xkcd.com/5/