Proj #2 -> office hours to come.

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CSC104 fall 2012

Why and how of computing week 11

Danny Heap heap@cs.toronto.edu BA4270 (behind elevators) http://www.cdf.toronto.edu/~heap/104/F12/ 416-978-5899

Text: Picturing Programs



Outline

privacy

mutation

Notes

share, but don't share

- medical history



information wants to be shared... how much? with whom?



privacy, pro or con?

make your lists...

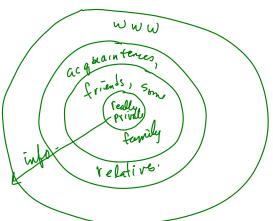
Guess most are somewher in the mittle segotiated "right"

- privacy is negotiated "right"

many would withhold privacy from conspirators but grand it to regular follo

concentric circles of privacy

who fits where?



privacy leaks

know privacy's plumbing

buyer loyalty plans what do they for those "deals"?

surveys not just an interruption

credit information who knows you paid late?

recorded viewing check the agreement

black boxes not just for crashes

911 where's waldo?

rfid bar codes, shopping history, drugs?

computer use what's your admin see?

cookies where have you been browsing?





required leaks

can lose your identity

Being born, working, imprisoned, or paying taxes, can generate information about you that you aren't allowed to keep private. How many of these do you think are necessary to identify an American with more than 80% accuracy (according to Dr Latanya Sweeny)?

- ▶ hospital of birth
- date of birth
- gender
- postal code
- blood type



what can you do?

increase privacy and security

passwords and pins

know something about contacts

▶ update security software, OSs

careful when you click

For important stuff encrypt

fublic

her

PG \$ 6 A

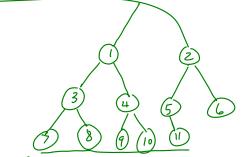
18 - wit key hould tol

how badly broken was that phone?

was: GATAAATCT



- 2. GATAAAACT
- 3. GATCTA
- 4. AGTCTAG
- 5. CBAC
- 6. KAC
- 7. CAGT
- 8. GATC
- 9. ATCG
- 10. ACTGATG
- 11 ACĠTATG



edit distance

GATAAAACT --GATCTA -

edit distance

10,11

e dit-distance

Notes



Roch-o → -

other wise

(beside (koch (sub) d)

(rotate 60 (koch (sub) d)))

(rotate-60 (koch (sub) d)))

(koch (sub) d))

Computer Science UNIVERSITY OF TORONTO