University of Regina

Security VS Privacy

Research Proposal

Bilal Ahmad

200363948

Vaibhav Sharma

200365101

CS280

Instructor: Dr. David Gerard

Due: March 11, 2018

1. Write a brief report on the progress of your project so far. Include group members, who is doing what, what has been accomplished and what is yet to do.  Provide a plan for completion as well as what you intend to do for your presentation component.
2. Write a 2-page outline of the written component of your project, showing the key points you will be discussing, the various sides of the issues, and your progress so far. Your outline should be point form. Include your citation(s) from the first stage, as well as at least one new citations

Privacy versus Security

Topics:

* Siri and Alexa always on speakers
  + Where and is the data stored
  + What is the data used for
  + Are our conversations actually being recorded
  + Canadian implications of this technology
  + Canadian laws to protect our privacy and security
  + Do these devices work differently in US and Canada
  + Results
  + PIPEDA documentation
* Airline Full body scans
  + Privacy violations/ attempts to stop full body scans
    - Exposing images
    - Overwhelming complaints from Civil liberties, human rights, and non-profit organizations
    - Loss of option between pat down or scan
    - Cite: Brownlee, Lisa. “Growing List Of Privacy Advocates Condemns TSA's New Body Scan Policy.” *Forbes*, Forbes Magazine, 16 Jan. 2016, www.forbes.com/sites/lisabrownlee/2016/01/14/growing-list-joins-tsa-body-scan-fight/#67bcb5f94bc9.
  + Full body scanners
    - Device that detects objects on a person’s body without having to remove cloths
    - Use of ionizing radiation to produce very graphic body images
    - Two types. Millimeter wave and backscatter
  + Full body scanners in Canada and the US
    - CTSA and TSA
    - US: 783 in 157 airports
    - Canada: 52 used in Canadian airports
    - Cite: Jansen, Bart. “TSA defends full-Body scanners at airport checkpoints.” *USA Today*, Gannett Satellite Information Network, 2 Mar. 2016, www.usatoday.com/story/news/2016/03/02/tsa-defends-full-body-scanners-airport-checkpoints/81203030/
  + Is it going too far?
  + Profit > privacy?
  + Is the security provided worth the loss of privacy?
    - No, its not an effective method
    - Better method would be to suspicious behavioral profiling
    - Researchers find that that there are ways to trick the body scan
    - Cite: Hopper, Tristin. “Why Canadian airport security is exactly as useless and arbitrary as you think.” *National Post*, 17 July 2017, nationalpost.com/news/canada/analysis-canadian-airport-security.
  + Results
  + Who sees these and what happens to the scans
  + Radiation
    - Travelers exposed to radiation
    - Dose of radiation is well within limits
    - Malfunction in the machine could cause tissue damage
    - Cite: Appleby, Julie. “Airports' Backscatter Scanners Met Radiation Standards, Panel Says.” *NPR*, NPR, 29 Sept. 2015, www.npr.org/sections/health-shots/2015/09/29/444451974/airports-backscatter-scanners-met-radiation-standards-panel-says.
* Government surveillance
  + US anti-terror policies
  + Its Privacy violations
  + How it affects US citizens
  + Canadian anti-terror policies
  + Privacy violations
  + How it affects Canadian citizens
  + What is tracked, recorded, monitored
  + Differences between US and Canadian surveillance laws
  + Results
  + How the general population feels about it

“Privacy vs. Cybersecurity.” *Secureworks*, www.secureworks.com/blog/privacy-vs-security