System Administration

Week 05, Segment 5
Networking I: The Physical Internet

Department of Computer Science
Stevens Institute of Technology

Jan Schaumann
jschauma@stevens.edu
https://stevens.netmeister.org/615/
The physical internet
Internet Censorship

“The Net interpreted censorship as damage and routes around it.”

John Gilmore, 1993

“Oh yeah? We’ll see about that!”

Dictators and Authoritarians everywhere
Internet Censorship

https://twitter.com/netblocks/status/1368395058093961218
Internet Censorship

https://twitter.com/netblocks/status/1198215946286055424
Internet Censorship

• India “leads” the world in volume of internet shutdowns

• longest shutdown in a democracy: Kashmir; 2019-08-05 — 2020-03-04 (213 days), not fully restored until 2021-02-05

• economic cost after 6 months: > $2.4 billion and nearly half a million jobs.

https://internetshutdowns.in/
Links

- https://njfx.net/
- https://en.wikipedia.org/wiki/2019_Internet_blackout_in_Iran
- https://www.article19.org/ttn-iran-november-shutdown/
- https://www.internetsociety.org/policybriefs/internet-shutdowns
- https://en.wikipedia.org/wiki/Room_641A
- https://cryptome.org/klein-decl.htm