

RIPE NCC Data Sets

Data Visualisation BoF

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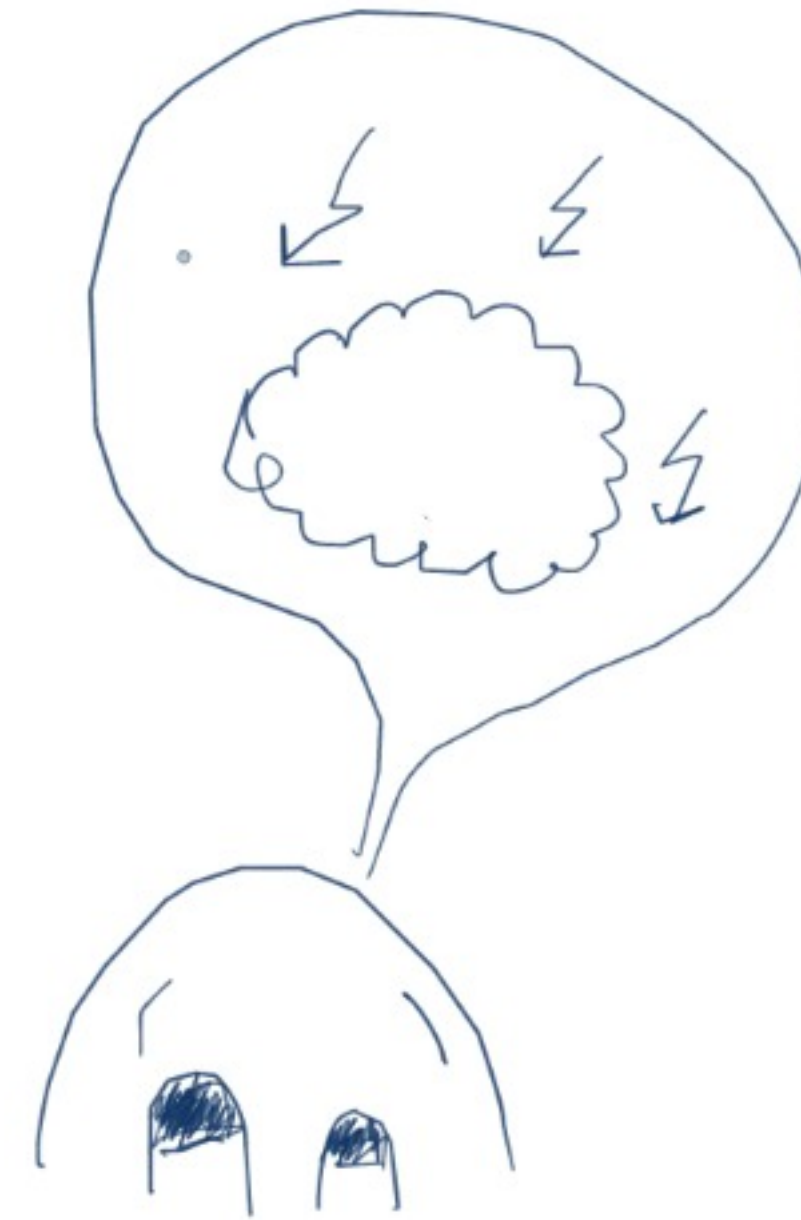
Research & Development



Intention

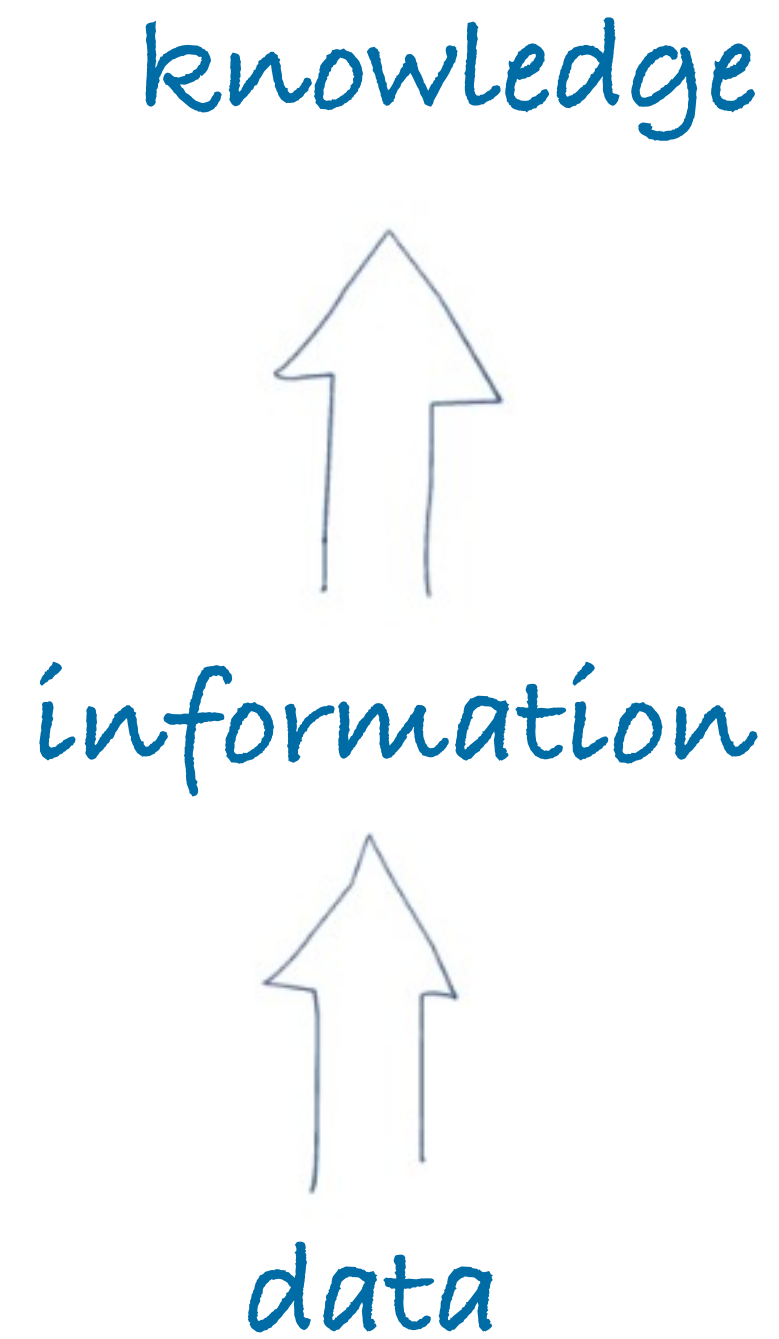


introduce you to
RIPE NCC's data set



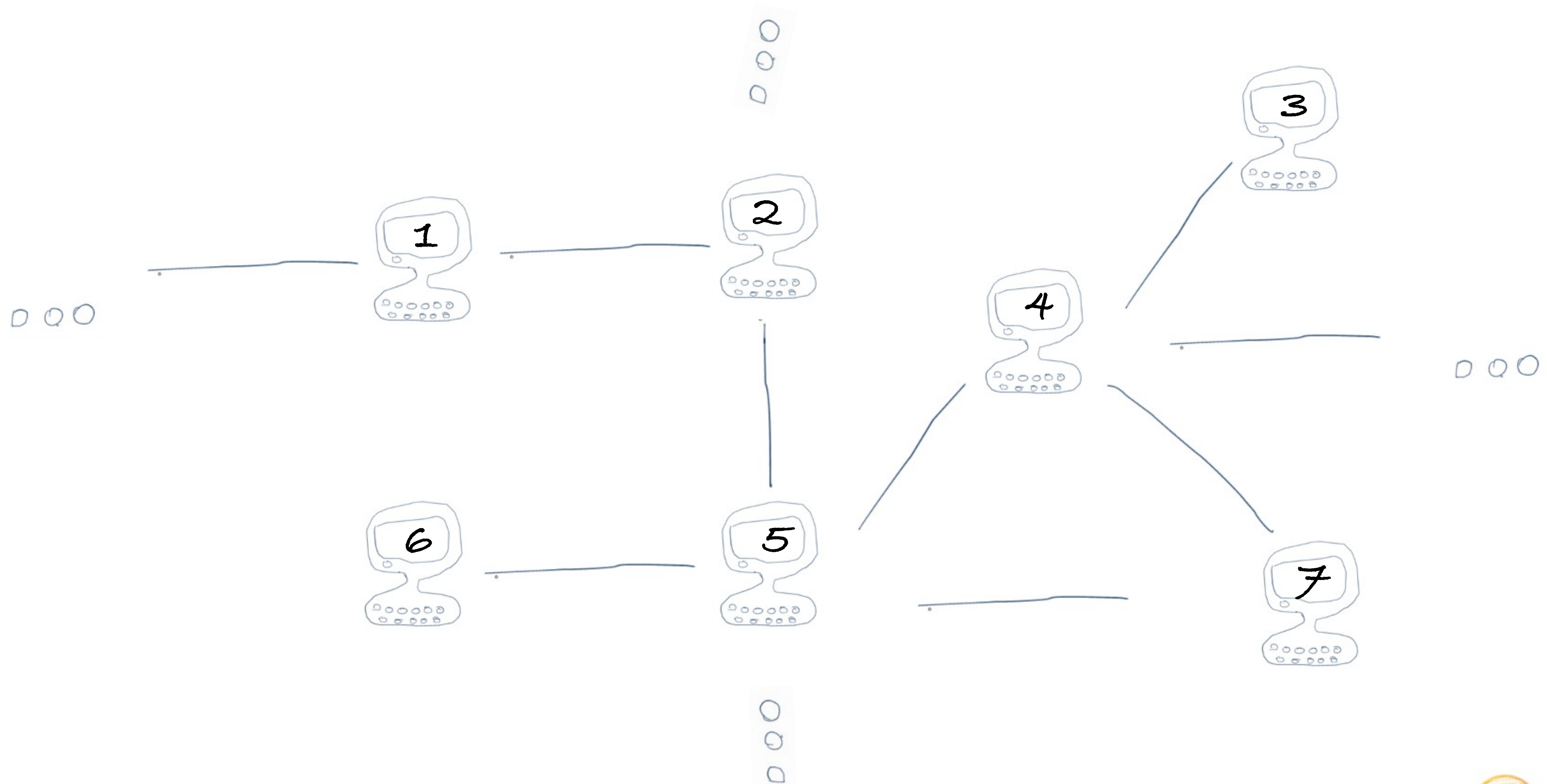
kindle brainstorming

Data - Information - Knowledge



What can we know about the Internet?

Internet 10¹/₂

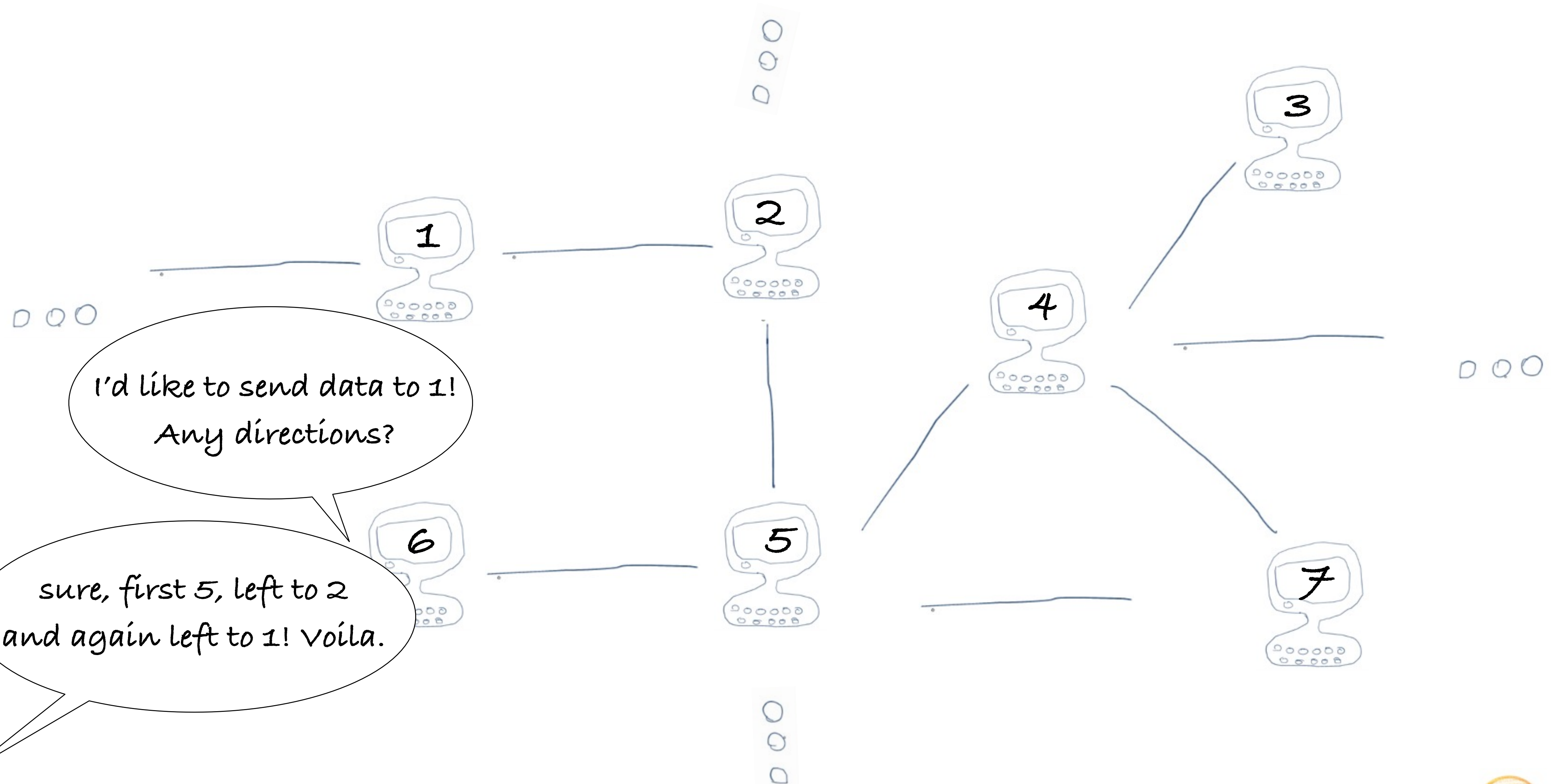


Groups Of Data Sets

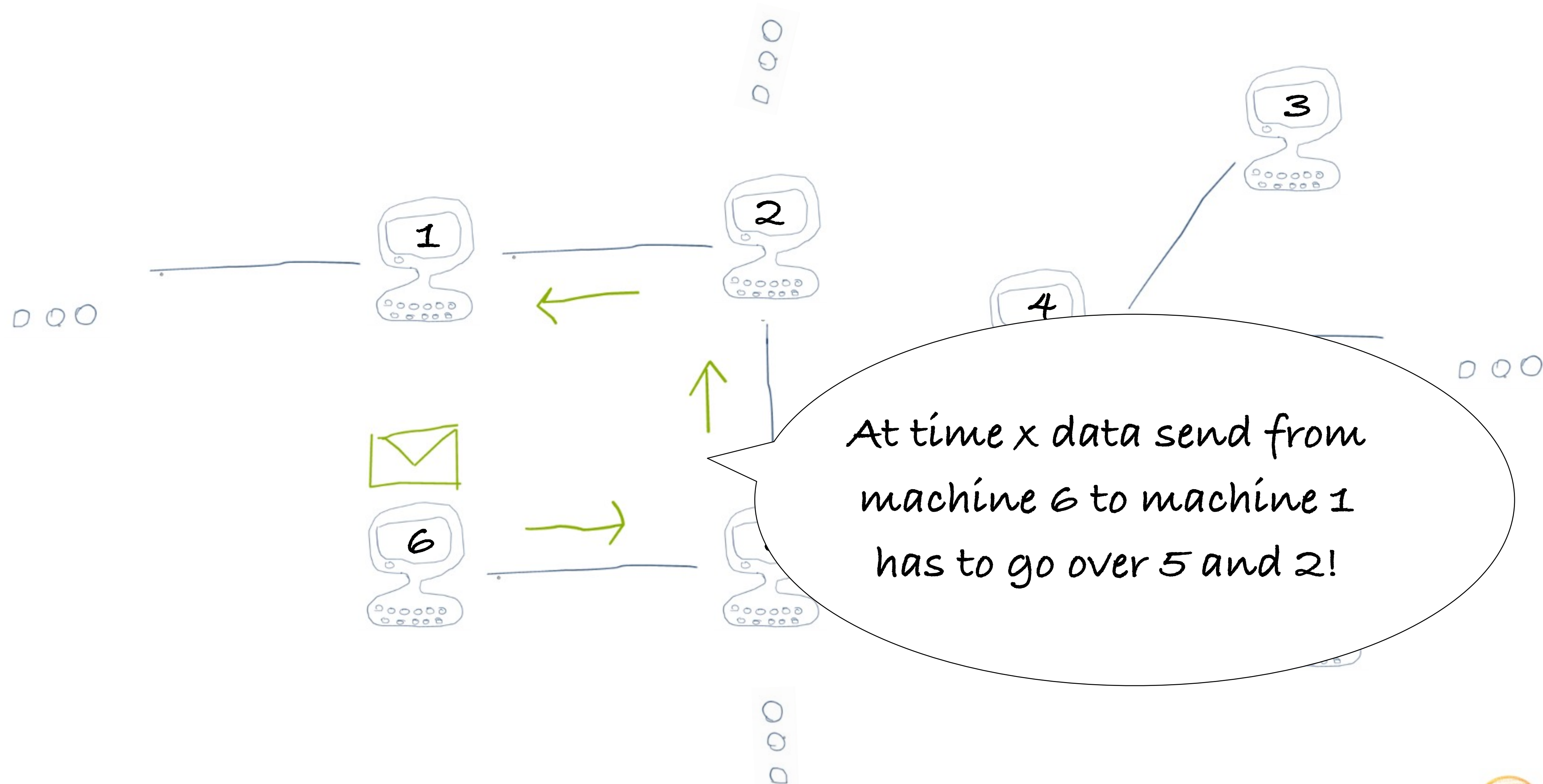
3 groups of data sets:

1. Routing Data

Routing Data



Routing Data



Routing Data

- Routing Information Service (RIS)
 - Maintain a network of 15 Remote Route Collectors (RRC)
 - Collecting routing informations from our peers
 - Details on the handout

Groups Of Data Sets

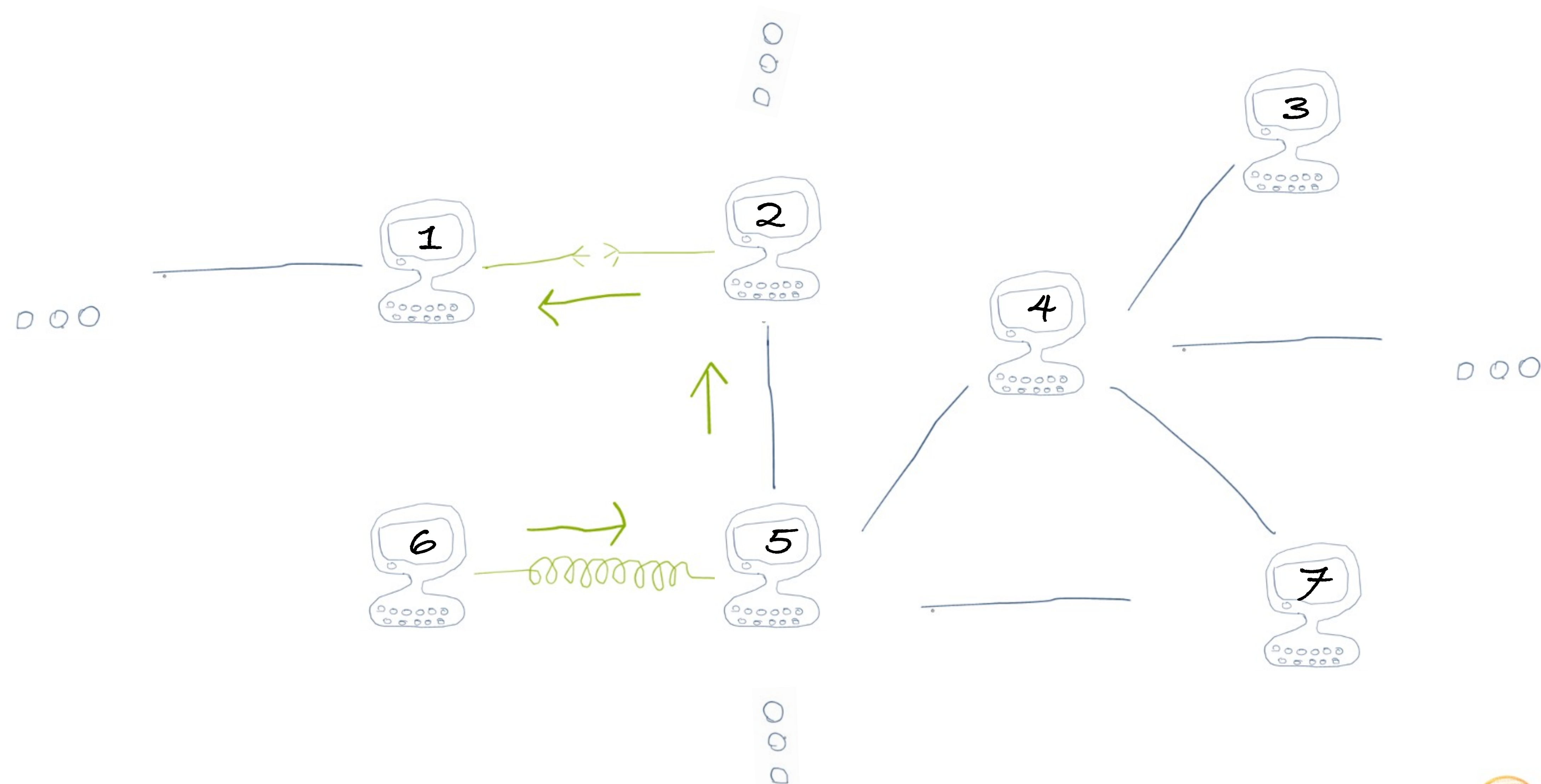
3 groups of data sets:



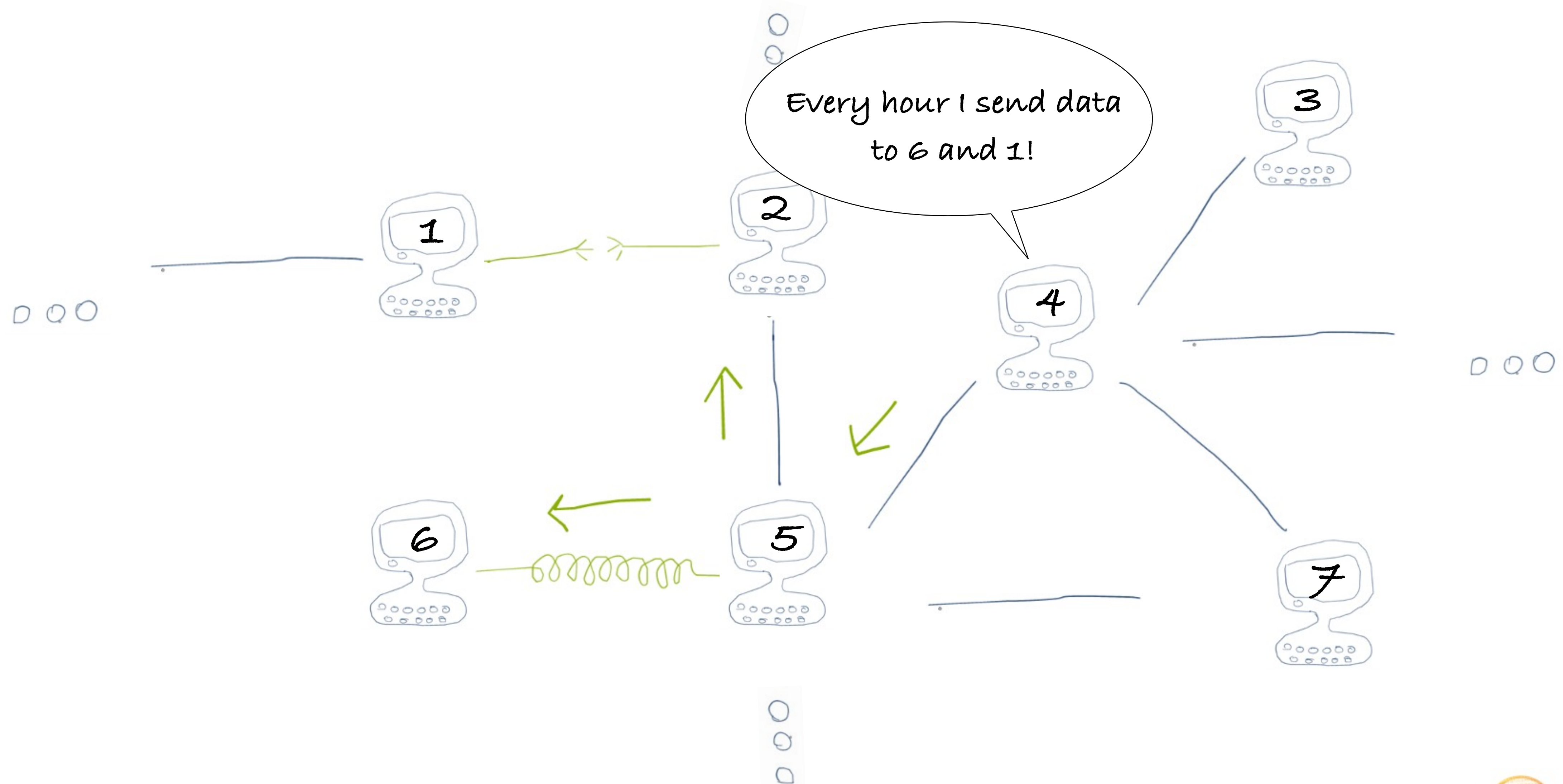
1. Routing Data

2. Active Measurement Data

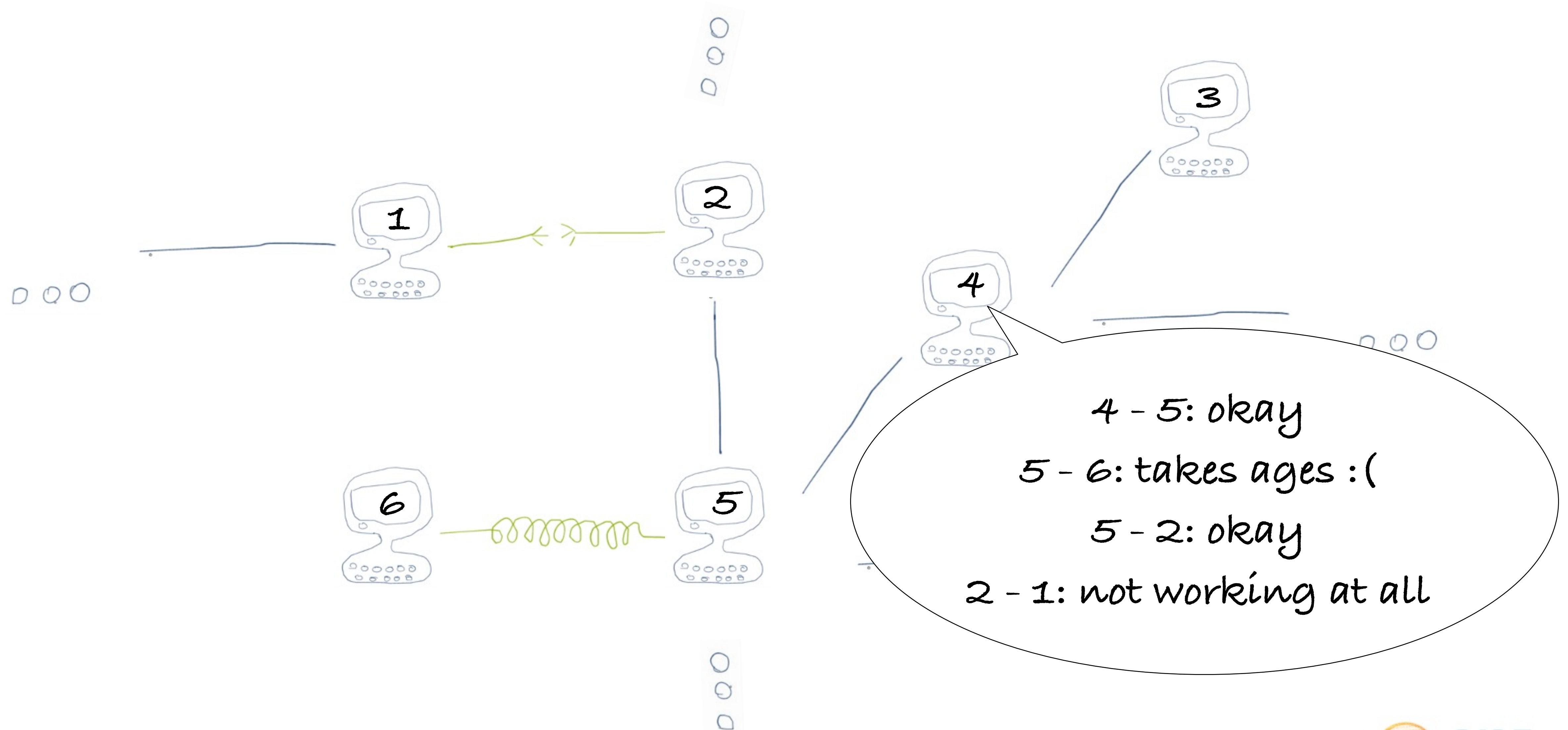
Active Measurement Data



Active Measurement Data



Active Measurement Data

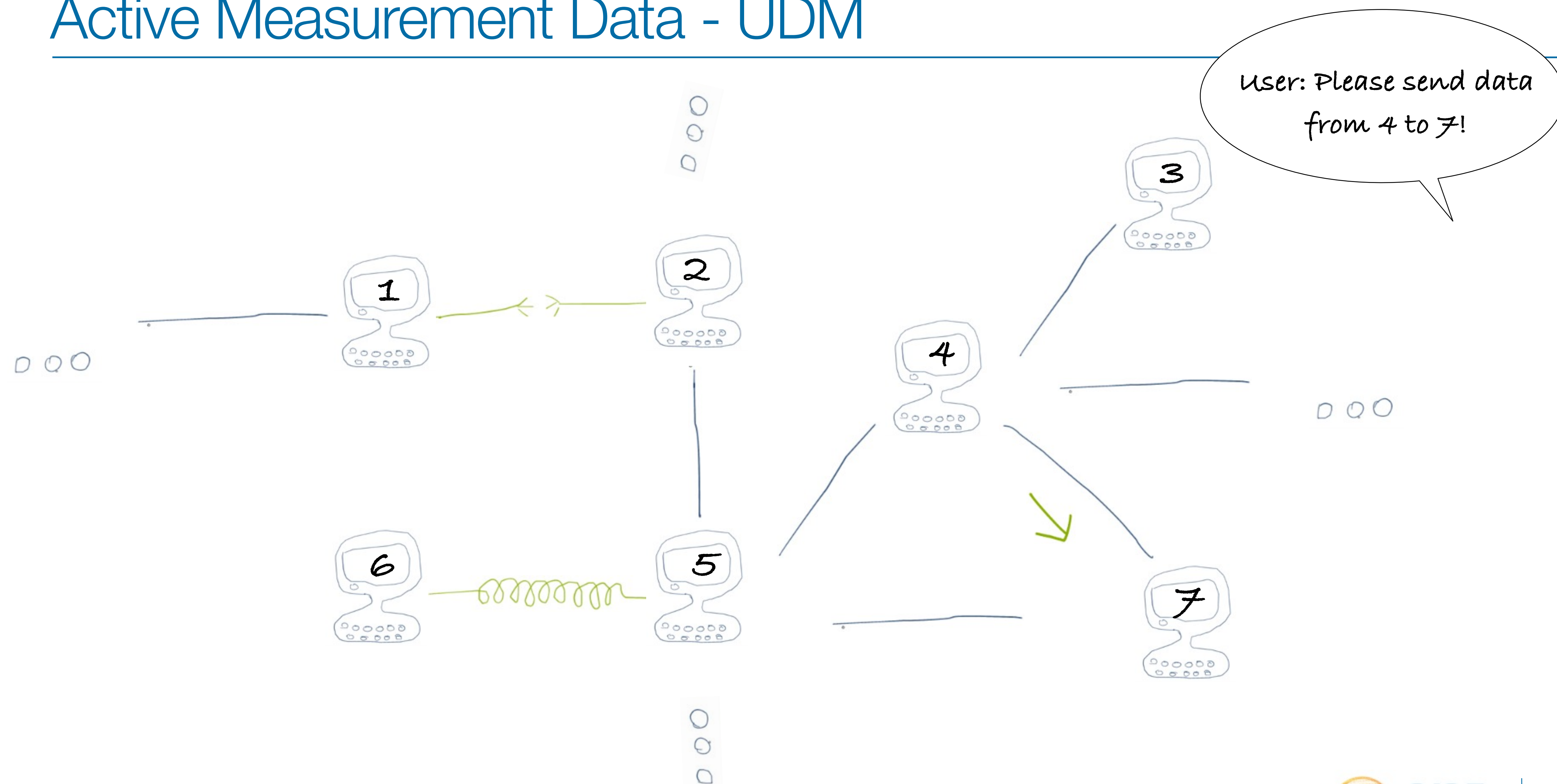


Active Measurement (1)

- Atlas Data
 - A measurement network of measurement devices (probes)
 - Huge (>1024 probes at the moment)
 - User Defined Measurements (UDM)



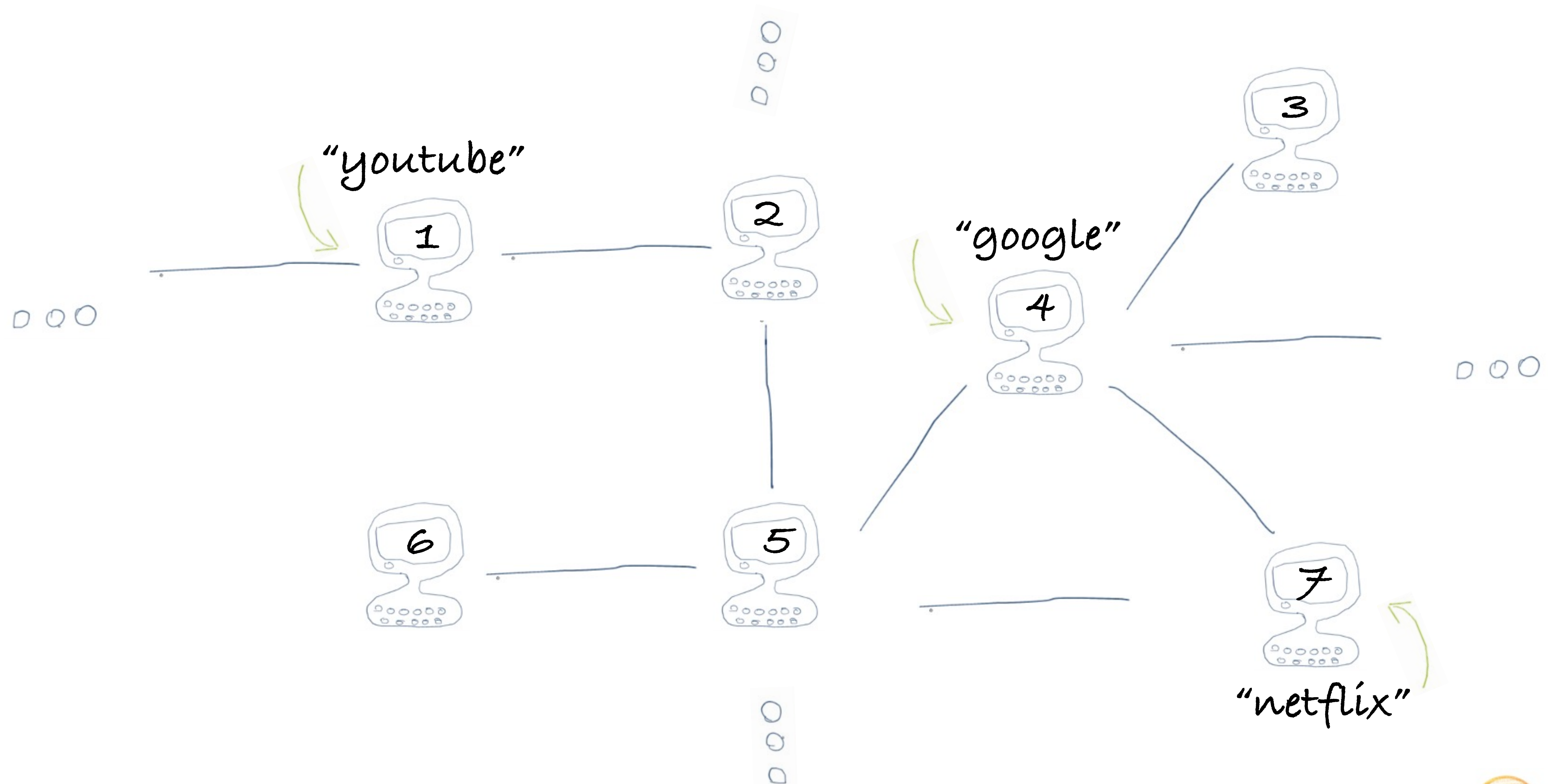
Active Measurement Data - UDM



Active Measurement (1)

- Atlas Data
 - A measurement network of measurement devices (probes)
 - Huge (>1024 probes at the moment)
 - User Defined Measurements (UDM)
 - More details on the handout

Domain Name Service



Active Measurement (2)

- DNSMon
 - Importance of DNS service
 - Monitoring the status of DNS servers
 - Details on the handout

Groups Of Data Sets

3 groups of data sets:



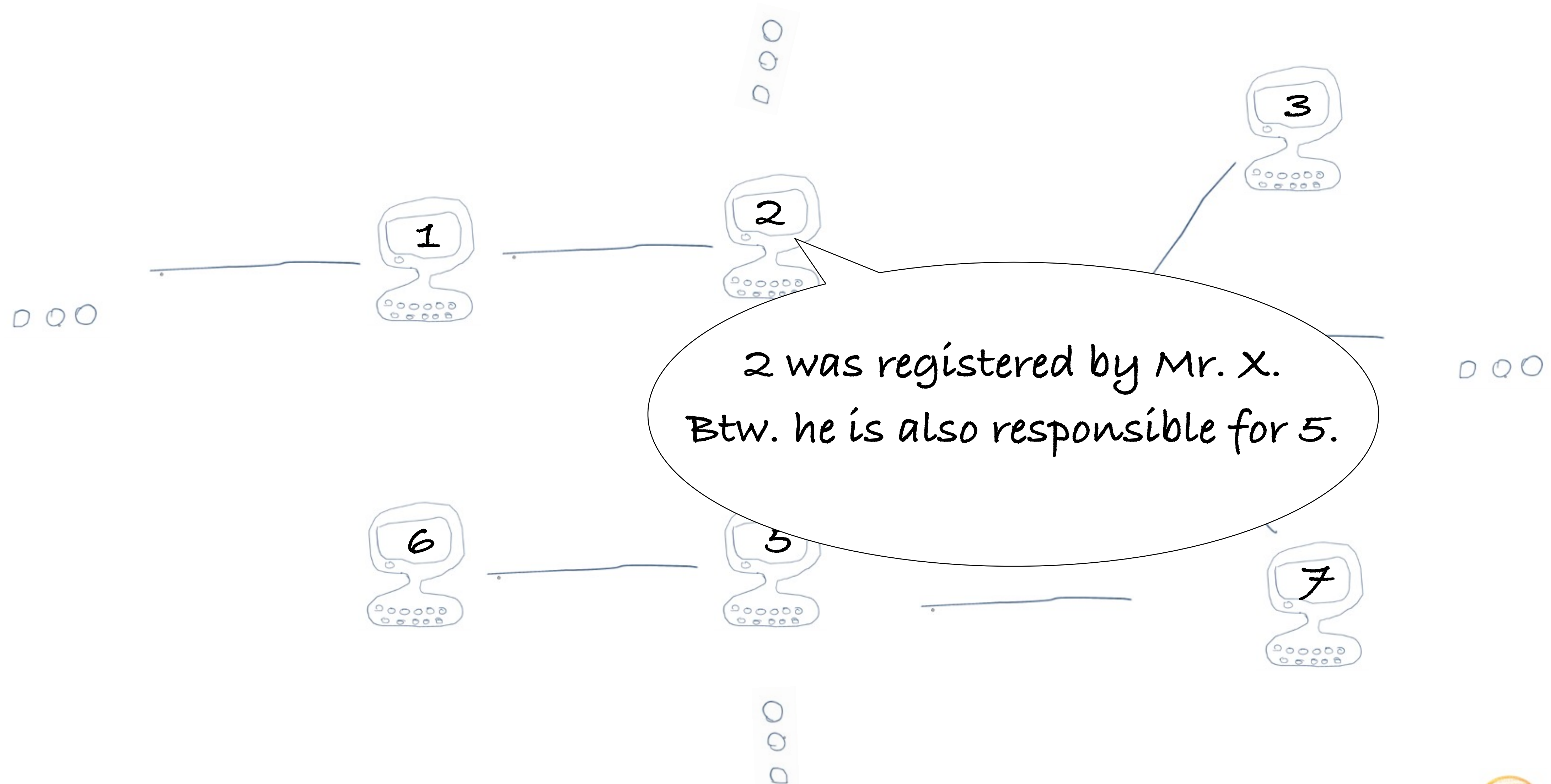
1. Routing Data



2. Active Measurement Data

3. Registration Data

Registration Data



Registration Data (1)

- Whois
 - RIPE DB
 - IP-2-location provider use this data (among other)
 - Details on the handout

Registration Data (2)

- RIR Stats
 - Summarizes current state of allocations and assignments of Internet resources
 - Details on the handout

Groups Of Data Sets

3 groups of data sets:



1. Routing Data



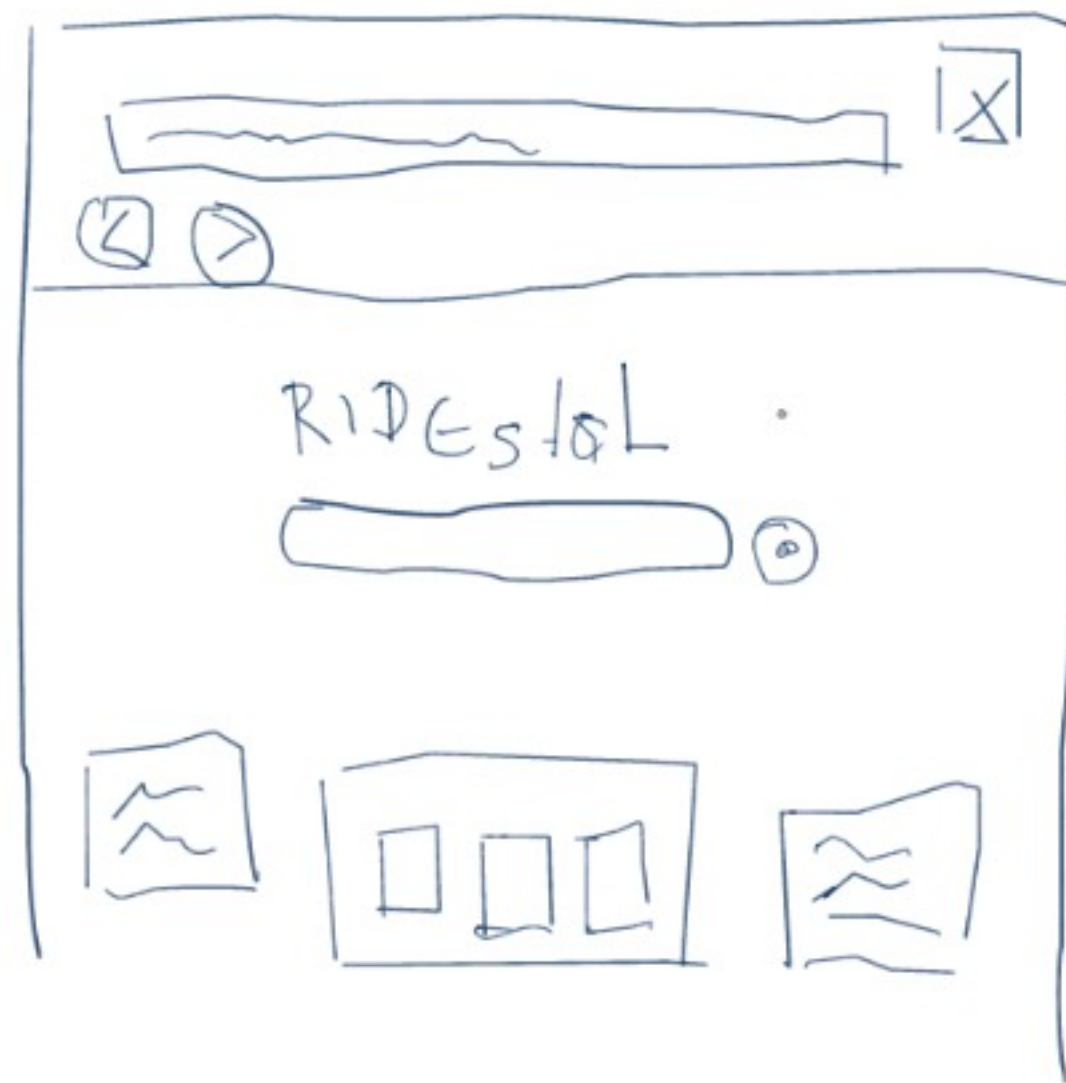
2. Active Measurement Data



3. Registration Data

Where to get the data?

- From RIPE NCC webserver / FTP server



http://stat.ripe.net/docs/data_api.html

Terms And Conditions Of Usage?

Please inform us before you use the data!



The End

