





ROYAL  
HOLLOWAY  
UNIVERSITY  
OF LONDON













```
 samp <- sam  
 x <- dat  
 truth <- dat  
 for(j in 1:nla  
 for(i in 1:100  
 netsays(c(1,2,  
 ## [1] 0.9643  
 netsays(c(0,4,  
 ## [1] 0.0264
```



datatrieste

tly/datatrieste-  
Feedback

Middle  
East  
3 South  
EAST ASIA

The credits  
will go to the  
users of data.

Challenges to  
Contributing Data

- 1) Peoples unwillingness  
to put data online.
  - →
- 2) Challenges to  
sharing Data.
  - 1) Very limited data  
available in open  
~~lots~~ access domain
  - 2) Most of the data  
is ~~not~~ of no use

1. To Maintain  
Secrecy of data
2. Not making public  
before research get  
~~be~~ publish.
3. Limited Resources  
to make data public

LANGUAGE  
DIFFERENCES IS  
ONE OF THE  
BIGGEST CHALLENGES  
IN MIDDLE EAST

CONTROLLED  
INTERNET  
MEDIA &  
ONLY SUPERVISED  
ACCESS THROUGH  
GOVT. LIBRARIES  
& DATA SOURCES  
DATA SHARING  
IS RESTRICTED







```
netsays <- function(x) {
  for(j in 1:nlayers) x <- 1/(1+exp(-x))
  return(x)
}

backprop <- function(layer,n1,n2,factor){ # recursive function
  if(layer>1) for(n in 1:nodes[layer-1])
    backprop(layer-1,n2,n,factor*net[[layer]][n1,n2])
  net[[layer]][n1,n2] <- net[[layer]][n1,n2] - ALPHA*f
}

<- function(x,truth) { # like netsays but changes
  r <- list() # to contain the outputs of all nodes in
  x <- x # the input layer
  for(i in 1:nlayers) r[[i]] <- as.vector(1/nodes[[i]])
  r[[nlayers+1]] <- truth # final answer, for convenience
  CODATA School of Data
  backprop(nlayers,1,n,(u
Roger Barlow - A
```



## Who Am I?

- Owl Operations, Office of the CIO
- 15 years - Software Assurance Marketing
- Manage high throughput Customer Support
- Worked with the CIO and CFO on
- Intellectual Property - Software
- Co-Authored white paper on the Future of the Cloud
- External Advisor to European Software Association
- Member of the Organization for Economic Cooperation and Development (OECD) Working Group on Software Piracy
- Co-Organizer of African Software Piracy Conference











# CODATA-RDA schools



Two week event

Focus on ECR's from LMIC's

Technical + Responsible Research skills  
= Research Data Science

NOT another bootcamp!

