



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

Peoples unwillingness
to put data online.

- →

2) Challenges to
sharing Data.

1) Very limited data
available in open
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 published.
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 COO and CFO on
Strategic Initiatives - Financial
- Co-Authored White Paper on
Cloud Transformation
- External Advisor to European Software
Manufacturers
- Member of the Organization's Executive
Committee
- Co-Chair COCA's Research Task
Group
- Co-organizer of MITC's Technical Working
Group











CODATA-RDA schools



Two week event

Focus on ECR's from LMIC's

Technical + Responsible Research skills
= Research Data Science

NOT another bootcamp!

Curriculum