



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
```

data trieste

ly / data trieste -
feedback



Middle
East
1/3 South
EAST ASIA

Challenges in
Contributing Data

People unwillingness
to put data online.

2) Challenges in
Retrieving Data

1) Very limited data
available in open
~~access~~ access domain
or most of the data
is not of no use

The credits
will go to the
users of data.

- 1- To Maintain
Security of data
- 2- Not making public
before research get
to 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, truth) {  
  for(j in 1:nlayers) x <- 1/(1+exp(-  
    return(x)  
  })  
  
  backprop <- function(layer.n1, n2, factor) { # recursive fun  
    #layer > 1) for(j in 1:nodes[layer-1])  
      backprop[layer-1, n2, n.factor] net[[layer]][[n1, n2]]  
    net[[layer]][[n1, n2]] <- net[[layer]][[n1, n2]] - ALPHA *  
  }  
  
  net <- function(x, truth) { # like netsays but change  
    list() # to contain the outputs of all nodes in  
    <- x # the input layer  
    for(j in 1:nlayers) r[[layer+1]] <- as.vector(1/  
    # final answer, for convenience  
    backprop(nlayers, 1, n, (u  
  }  
}
```



Who Am I?

- Chief Operations Officer of the Open years - Software Assurance Markets
- Manager High Throughput Computing
- Institutional PI for OSG and PI of RPI
- Co-PI Science Node - (Formally - in Grid This Week)
- External Advisor to European Grid
- Member of the Organizational Advisory
- Co-Chair COGATA Research Data Group
- Co-organizer of African School of Physics









CODATA-RDA schools

Two week event

Focus on ECR's from LMIC's

Data Science skills

NOT another bootcamp!



6 Schools since 2016



Run on three continents

~250 students from 40 countries

Curriculum