





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 1/3  
Contributing Data

People unwillingness  
to put data online.

2) Challenges 2/3  
Retrieving Data

1) Very limited data  
available in open  
~~access~~ access domain  
2) 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[[j+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**



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# Curriculum