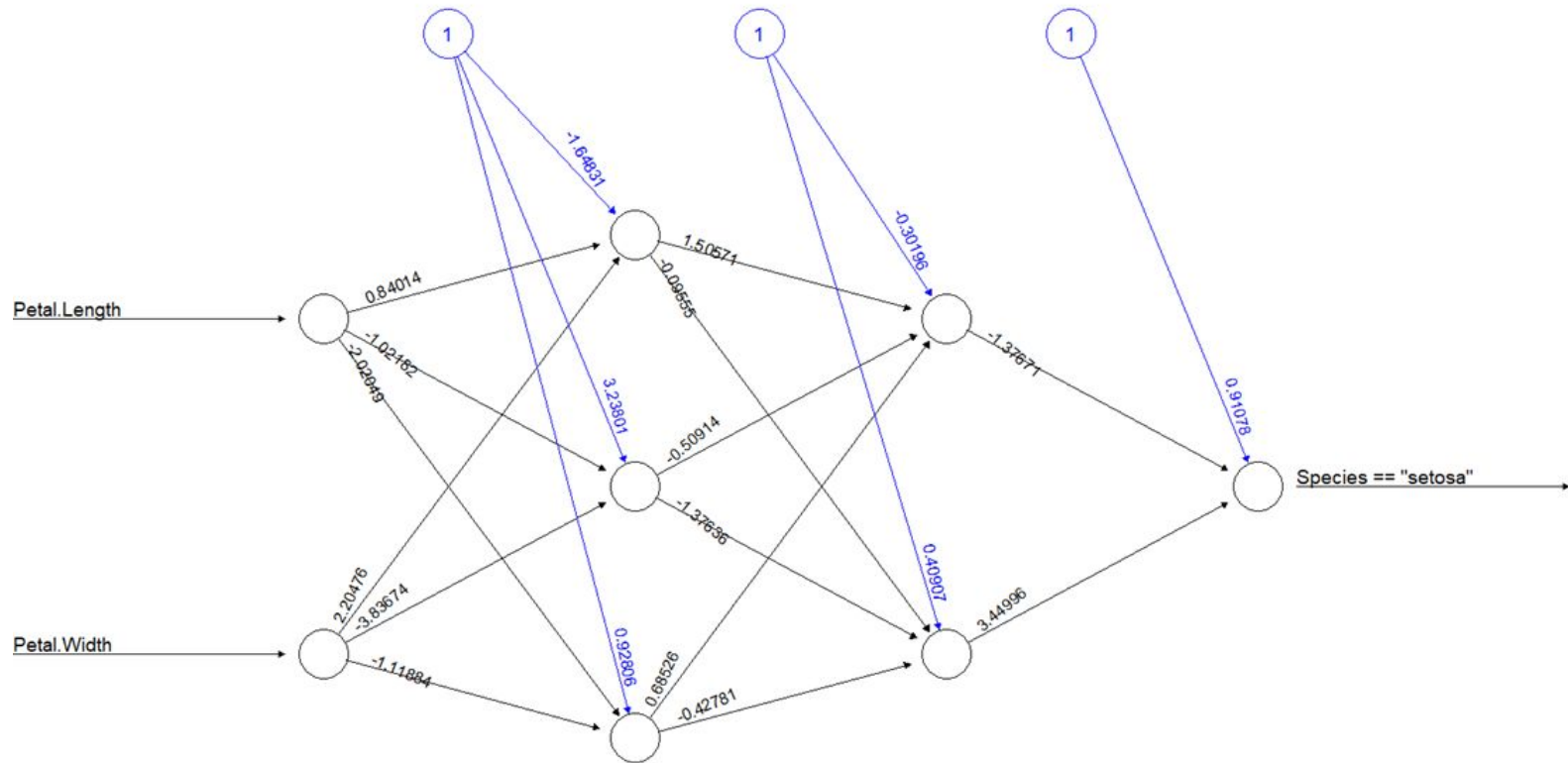


neuralnet

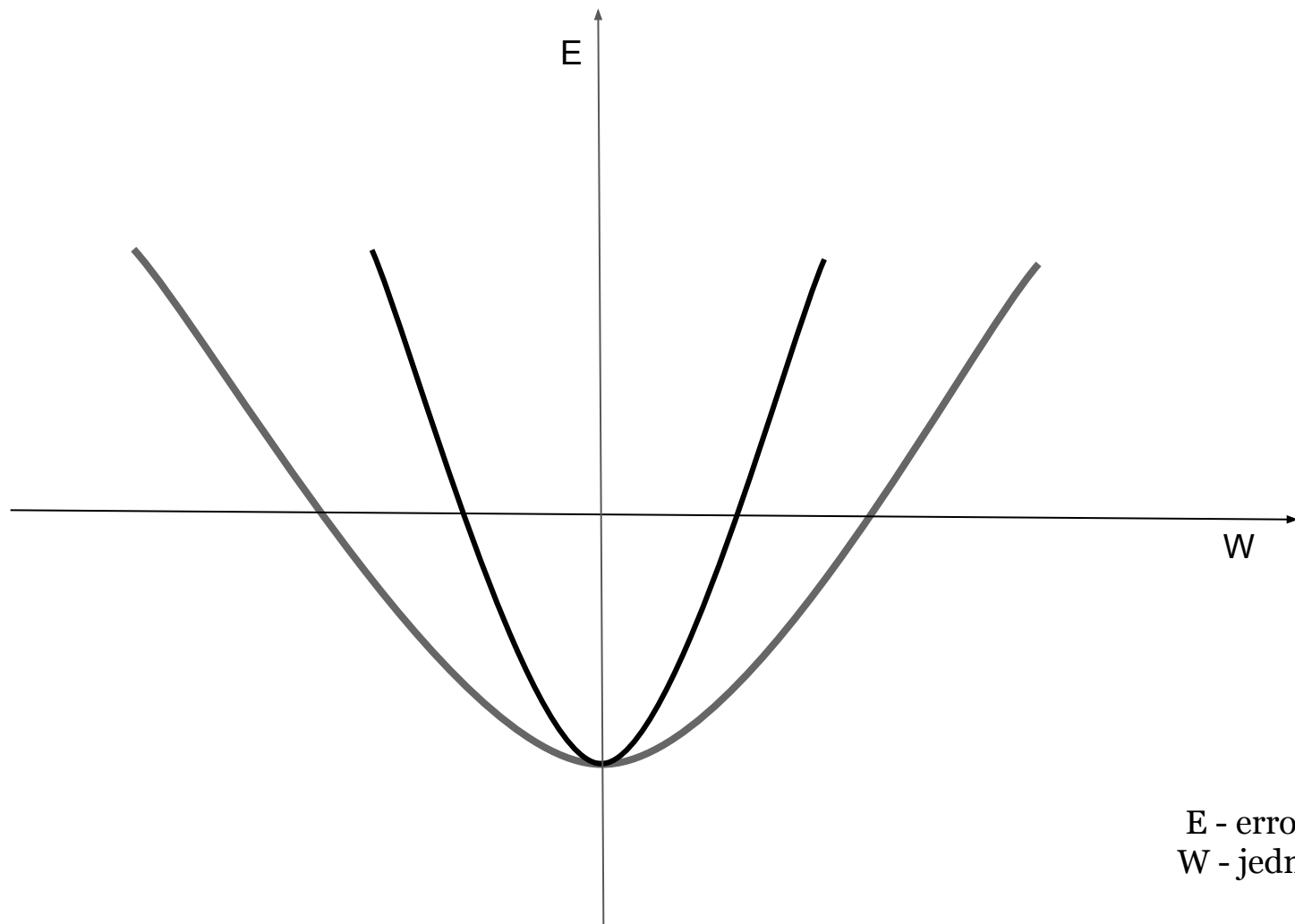
Twórcy

Frauke
Günther

Stefan
Fritsch



Error: 0.008333 Steps: 772



E - error
 W - jedna z wag

TRENOWANIE SIECI NEURONOWEJ

Funkcja neuralnet

-formula: Opisanie zależności między naszymi danymi

-data: Zbiór danych na którym trenujemy naszą sieć

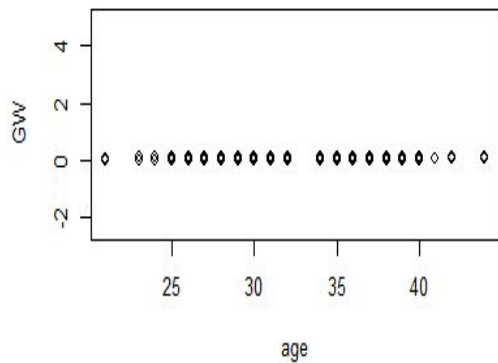
-hidden: wektor opisujący ilość ukrytych powłok oraz ilość neuronów w każdej z nich

Inne: "threshold", "rep", "startweights", "algorithm", "constant.weights", "err.fct", "act.fct", "linear.output".

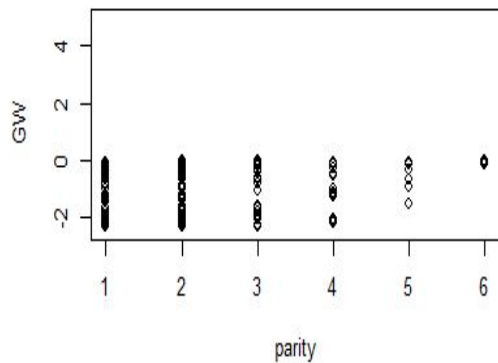
Call:

```
neuralnet(  
  formula = case~age+parity+induced+spontaneous,  
  data = infert, hidden = 2, learningrate = 0.01,  
  algorithm = "backprop", err.fct = "ce",  
  linear.output = FALSE)
```

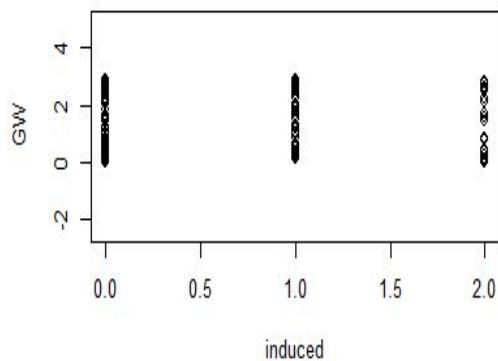
Response: case



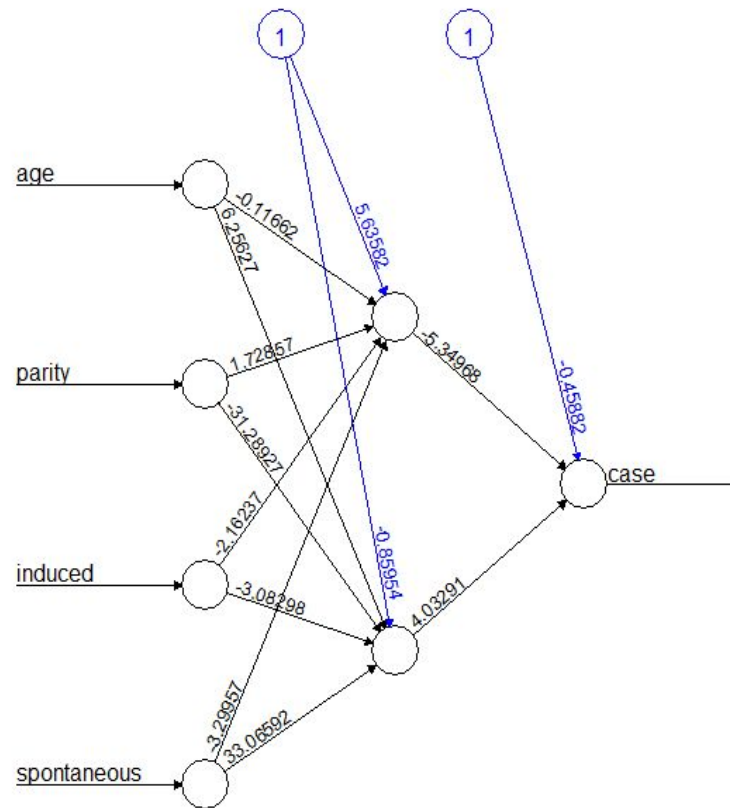
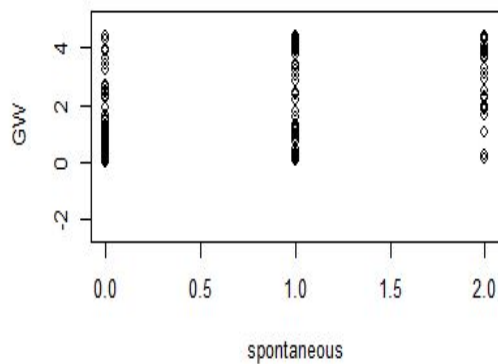
Response: case



Response: case



Response: case



Error: 124.906106 Steps: 9136

FUNKCJA COMPUTE

```
> new.output <- compute(nn,  
                        covariate=matrix(c(22,1,0,0,  
                                           22,1,1,0,  
                                           22,1,0,1,  
                                           22,1,1,1),  
                                           byrow=TRUE, ncol=4))  
  
> new.output$net.result  
      [,1]  
[1,] 0.1477097  
[2,] 0.1929026  
[3,] 0.3139651  
[4,] 0.8516760
```


DZIĘKUJEMY