**Alínea A**

- 8 variaveis

* C=(16,8) erro=0.1 algoritmo= backprop

Erro=[1] 2.186021163

* C=(16,8) erro=0.1 algoritmo= 'rprop+

Erro= [1] 2.174743248

* C=(16,8) erro=0.1 algoritmo= 'rprop-

Erro= [1] 2.107753057

* C=(16,8) erro=0.1 algoritmo= sag

Erro= não convergiu

* C=(16,8) erro=0.1 algoritmo= slr
* Erro= não convergiu

- 5 variaveis

Performance.ADMSLMean+Performance.DMSMean+Performance.DDCMean+Performance.TBCMean+Performance.MVMean

* C=(10,5) erro=0.1 algoritmo= backprop

Erro=[1] 1.43435597

* C=(10,5) erro=0.1 algoritmo= 'rprop+

Erro= [1] 1.398183834

* C=(10,5) erro=0.1 algoritmo= 'rprop-

Erro=[1] 2.107753057

* C=(20,15) erro=0.1 algoritmo = backprop

Erro=[1] 1.899093831

* C=(20,15) erro=0.1 algoritmo = backprop

[1] 1.899093831

**Alínea B**

Com as 5 variáveis anteriores

Retornar 0 ou 1 conforme está ou não com fadiga

* hidden = c(5,3), threshold = 0.1, algorithm='rprop-')

[1] 0.4197969845

* hidden = c(5,3), threshold = 0.1, algorithm='rprop+'

[1] 0.4099180246

* hidden = c(5,3), threshold = 0.1

[1] 0.4099180246

* hidden = c(15,10), threshold = 0.1

[1] 0.5876384605

Com 8 variáveis

* hidden = c(15,10), threshold = 0.1

[1] 0.5899521295

* hidden = c(15,10), threshold = 0.1, algorithm='rprop-'

[1] 0.6272500482

* hidden = c(15,10), threshold = 0.1, algorithm='rprop+'

[1] 0.7935499891

* hidden = c(5,3), threshold = 0.1, algorithm='rprop+'

[1] 0.8273005678

* hidden = c(5,3), threshold = 0.1, algorithm='rprop-'

[1] 0.4154401019

* hidden = c(5,3), threshold = 0.1

[1] 0.4958847037