Experimentos MNIST: ReLU, PReLU e SH-ReLU

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Arquitetura da CNN

- CONV_1-> ACT_1-> POOL_1-> CONV_2-> ACT_2-> POOL_2-> FC_1-> RELU-> DROP-> FC_2
- CONV_1:
 - Filtro 5x5; 32 filtros; stride = 1; padding = 'same'
- CONV_2:
 - o Filtro 5x5; 64 filtros; stride = 1; padding = 'same'
- POOL_1 e POOL_2:
 - Size = 2x2; stride = 2; padding = 'same'
- FC_1: 1024 neurônios e FC_2: 10 neurônios
- DROP: prob. 50%
- Batch size: 50; Max. steps: 20000; Tolerância erro: 1% (0,01)

ReLU

• Acurácia: 99,02%

• Steps: 7800

• Tempo: 25m11s

PReLU

• Acurácia: 99,05%

• Steps: 6800

• Tempo: 29m21s

SH-ReLU

• Acurácia: 99,03%

• Steps: 7900

• Tempo: 30m17s

ReLU vs PReLU vs SH-ReLU

Acurácia

