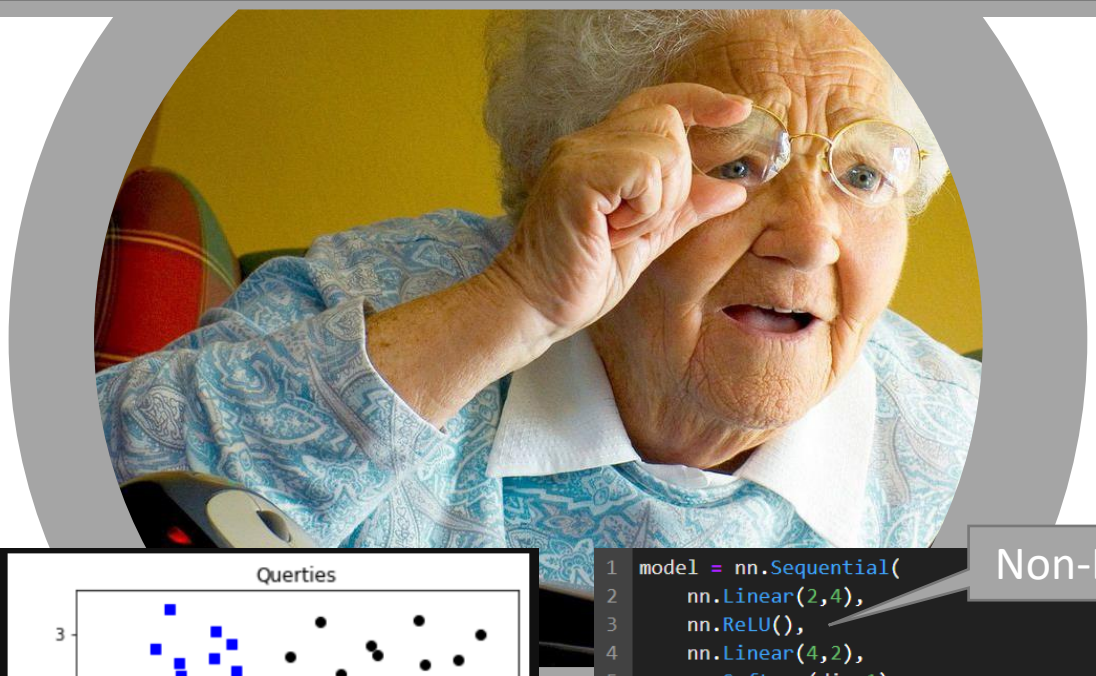
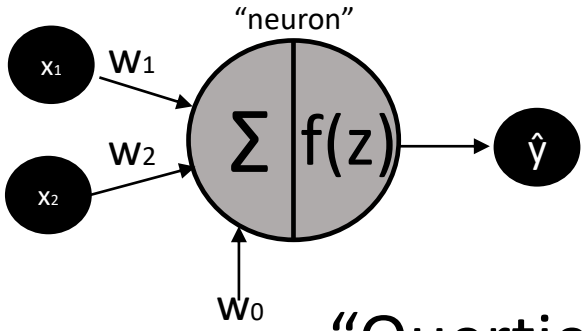
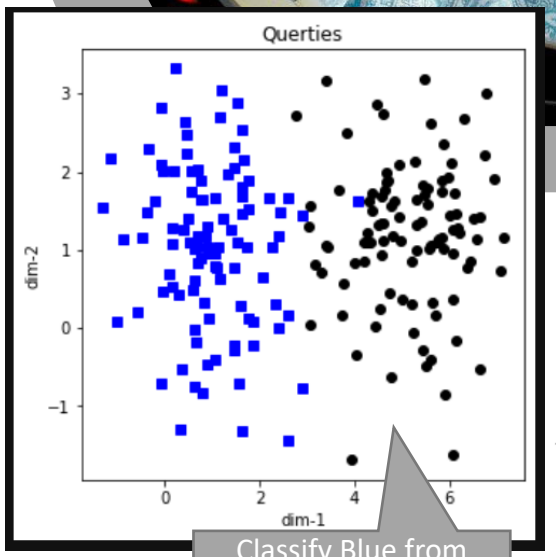
How to Explain Neural Networks to your Grandma

OASYS, INC.
Data Science





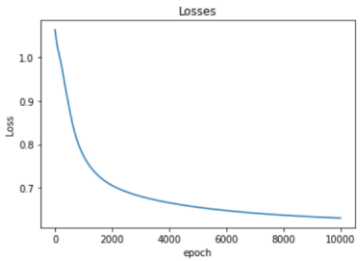
"Querties" Classification Use Case

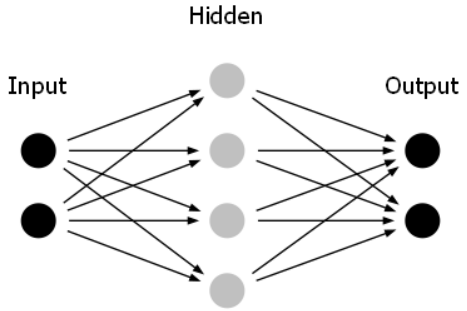


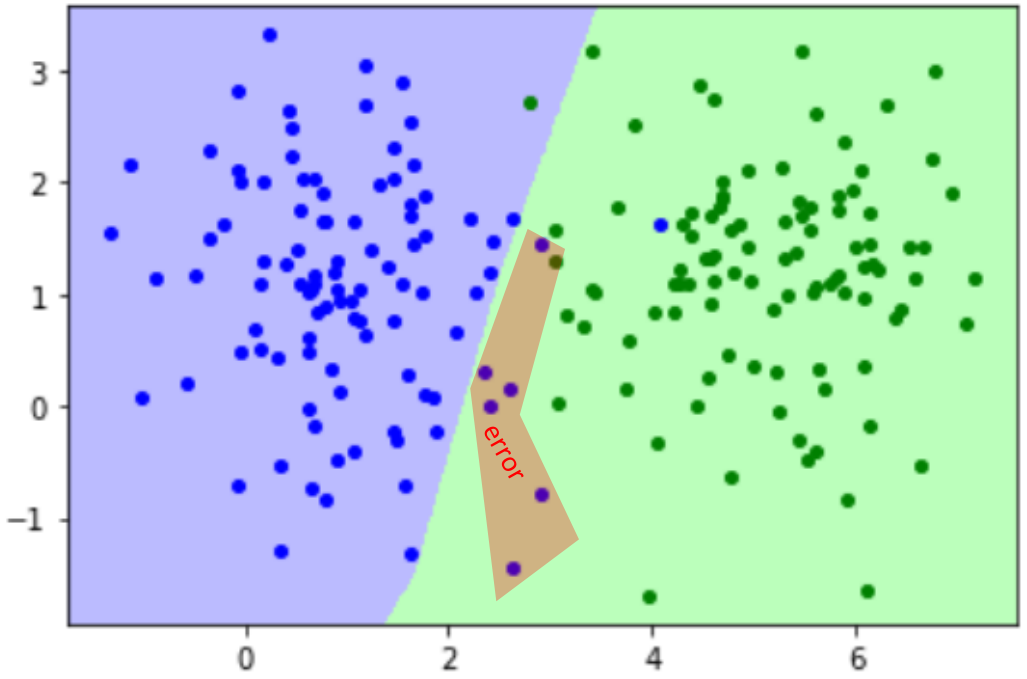

```
model = nn.Sequential(
    nn.Linear(2,4),
    nn.ReLU(),
    nn.Linear(4,2),
    nn.Softmax(dim=1)
)

lossfun = nn.CrossEntropyLoss()
optimizer = torch.optim.SGD(model.parameters(), lr=0.01)
```

Non-Linearity







Data

Model + Hyperparameters

Neural Network **Decision Boundary**