

Meetup 16.07.2024

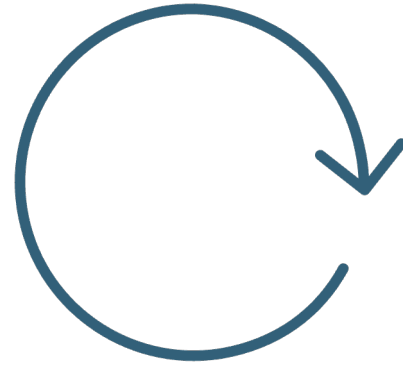
Machine Learning Basics



GOFORÉ



Data



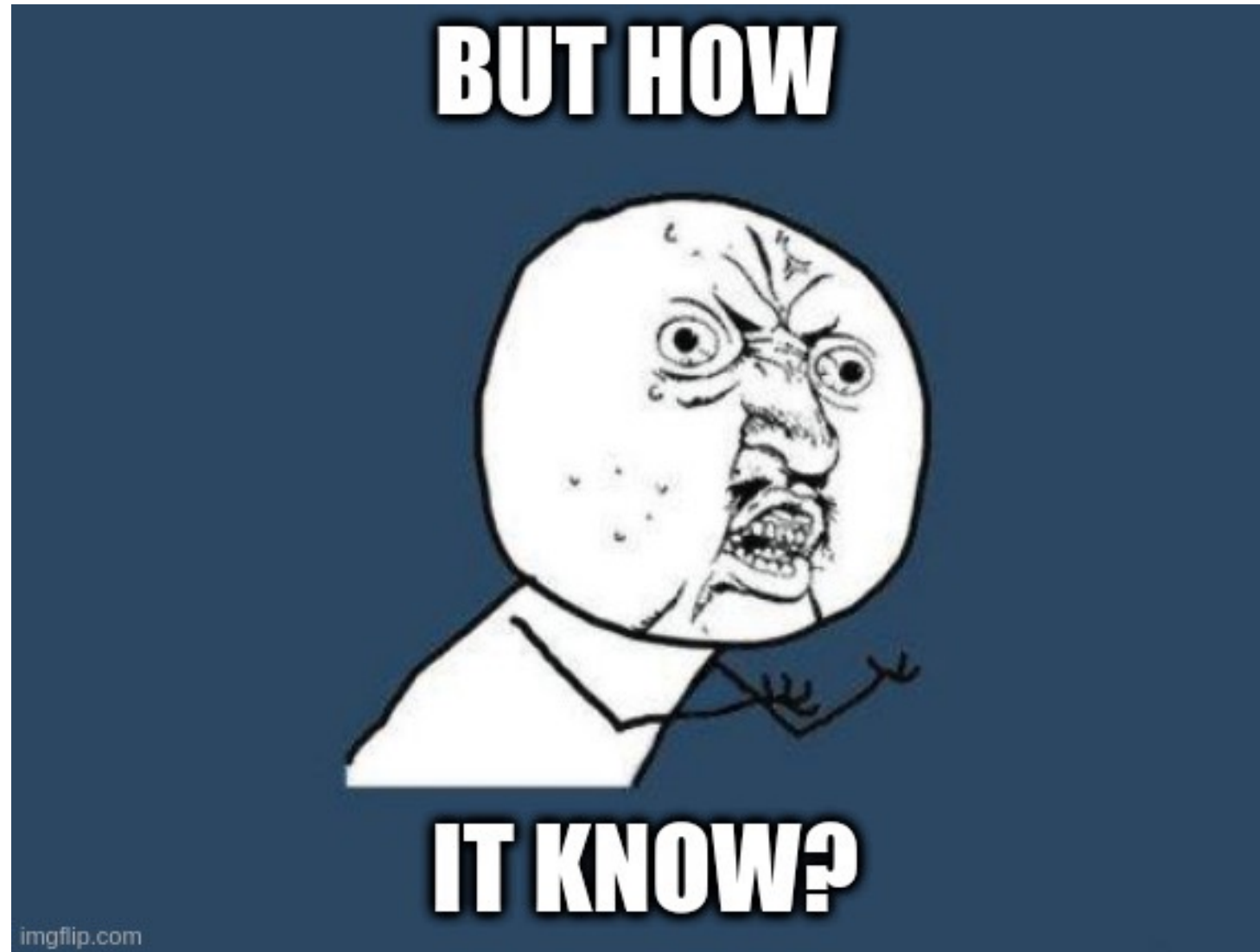
Training



Evaluation



Success



Model

```
[ [0.28, 0.29, ..., 0.05, 0.35],  
  [0.81, 0.51, ..., 0.82, 0.78],  
  [0.96, 0.10, ..., 0.79, 0.48],  
  [0.72, 0.18, ..., 0.86, 0.00],  
  [0.28, 0.75, ..., 0.27, 0.12],  
  [0.62, 0.03, ..., 0.95, 0.62],  
  [0.45, 0.17, ..., 0.63, 0.30],  
  [0.56, 0.71, ..., 0.33, 0.33],  
  [0.17, 0.37, ..., 0.71, 0.56],  
  ...,  
  [0.51, 0.97, ..., 0.35, 0.58],  
  [0.11, 0.55, ..., 0.79, 0.31],  
  [0.16, 0.93, ..., 0.97, 0.18],  
  [0.60, 0.53, ..., 0.27, 0.35],  
  [0.72, 0.48, ..., 0.84, 0.50],  
  [0.60, 0.26, ..., 0.01, 0.93],  
  [0.16, 0.60, ..., 0.50, 0.47],  
  [0.32, 0.86, ..., 0.77, 0.64],  
  [0.58, 0.47, ..., 0.98, 0.64],  
  [0.56, 0.20, ..., 0.90, 0.97]]
```

Training

Forward pass:
How wrong are we?

Backpropagation:
Modify parameters to
minimize error

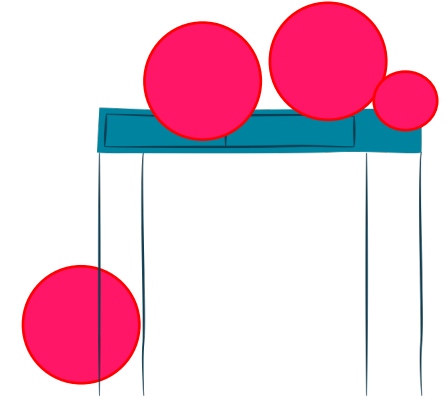
Loss function



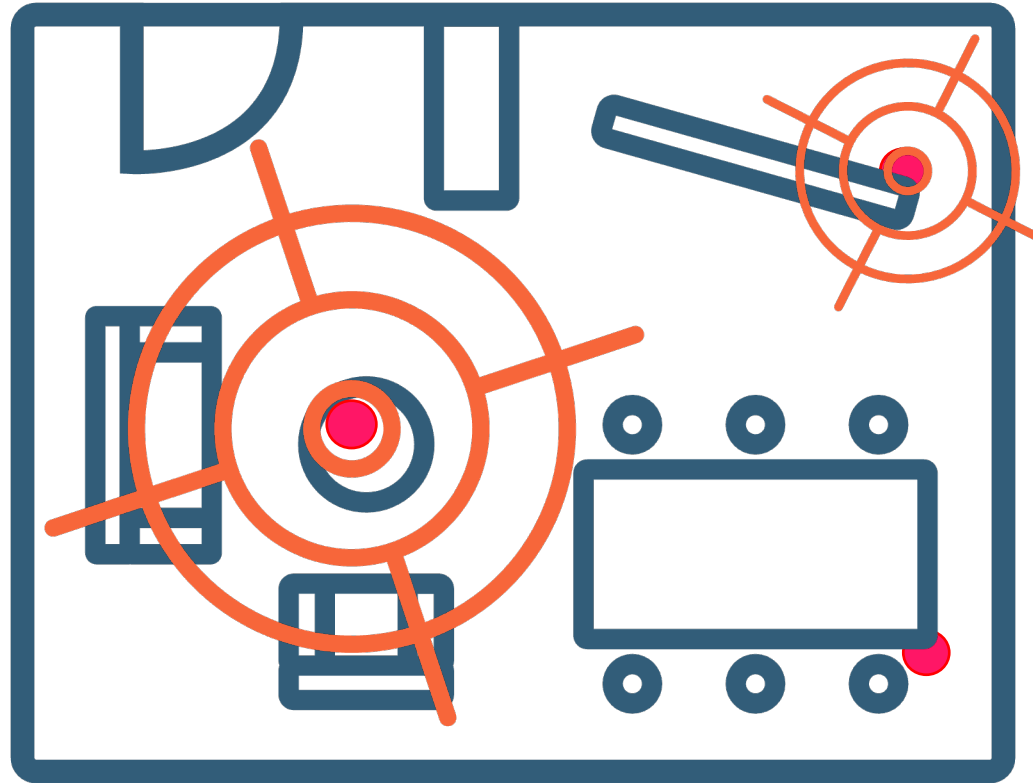
<https://t.ly/ANw0S>



Oh no – our red dots got lost in the office



Your mission: Find them



Or better yet create a model that can do it for you...

Thanks for
participating!