Simple Beamer Theme

Lecture 13

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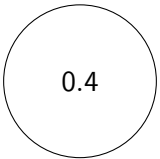
Overview

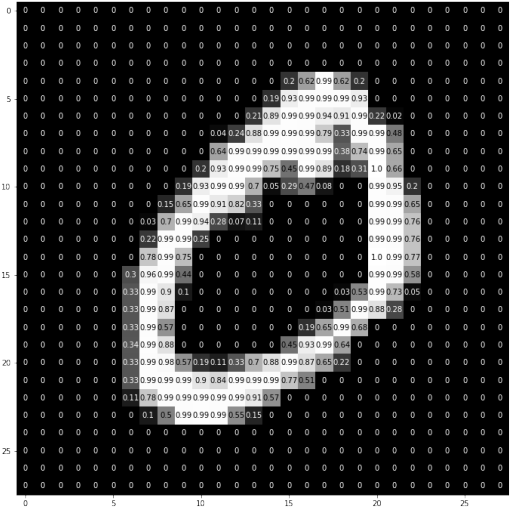
1. What is neuron?
2. What is intelligence?
3. Neural network
4. Universal approximation theorem
5. Second Section

Neuron

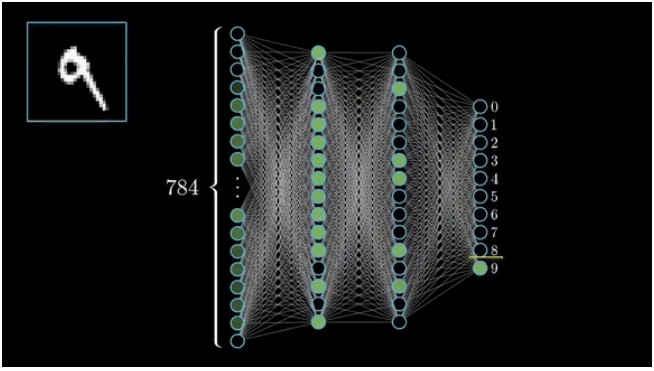


Neuron $\rightarrow$ Thing that holds a number

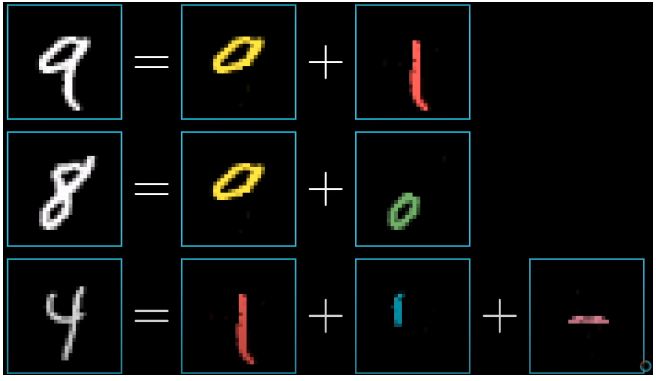
Activation map



Forward pass



Patterns



General formula

$$f = \sigma(Wx + b)$$

Universal approximation theorem

Theorem (UAT interpretation for NN)

2-layer NNs with sigmoid activation function can approximate any other function

Multiple Columns

Heading

1. Statement
2. Explanation
3. Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Table

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table: Table caption

Theorem

Theorem (Mass–energy equivalence)

$E = mc^2$

Figure

Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.

Citation

An example of the `\cite` command to cite within the presentation:

This statement requires citation [Smith, 2012].

References


John Smith (2012)
Title of the publication
Journal Name 12(3), 45 – 678.

The End