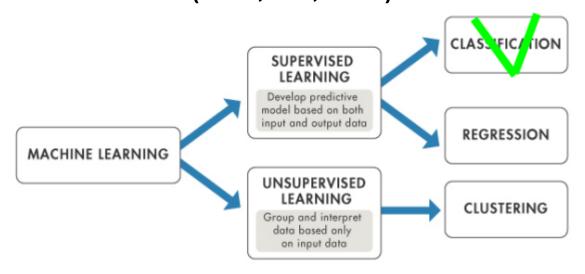
[2021.09] DNN Simulator exercise (Classification) (AND, OR, XOR)



We use the same <u>tool</u> as in the previous exercise.

See the improved DNN
Simulator video (12 min)
which demonstrates a
NAND gate.

Previous video:

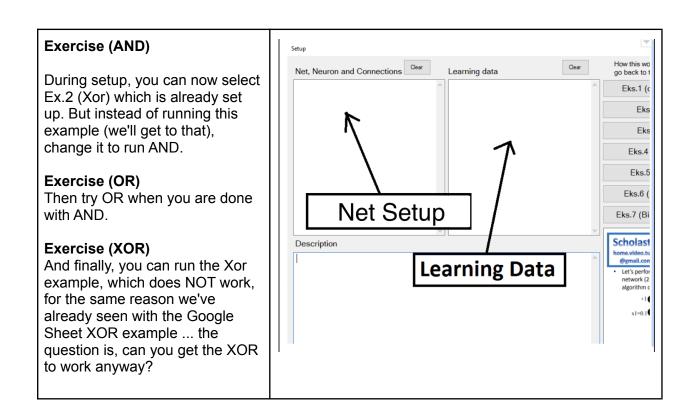
DNN Simulator Intro 7 min. .

DATA

This is the same data as in the Google Sheet exercise.

Table 6.2 Truth tables for the basic logical operations

Input variables		AND	OR	Exclusive-OR
<i>x</i> ₁	<i>X</i> ₂	$x_1 \cap x_2$	$x_1 \cup x_2$	$x_1 \oplus x_2$
0	0	0	0	0
0	1	0	1	1
1	0	0	1	1
1	1	1	1	0



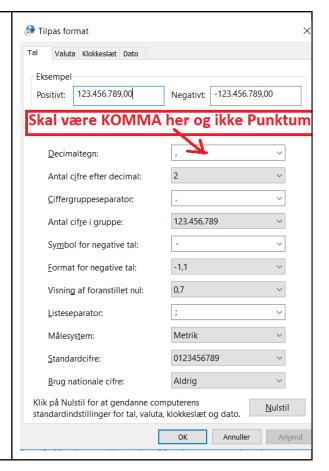
Problems with the Simulator

Sometimes the simulator does not work properly, it is as if the numbers get too big. This is due to the number format you use on your Windows.

Here is a how to change it ->

The important one here is Decimal characters, it should be a comma and not a period.

Here on the right you see my setup and it works fine



Extra

Good **Video** on the history of Backpropagation <u>here...</u>

