Urmom

This is urmom. We're now going to upgrade,

To learn more about Quarto websites visit https://quarto.org/docs/websites. ## Why do we do this

Make presentations and documents out of markdown easyily in one combined workflow

Tools needed

https://quarto.org/docs/get-started/ – Quarto: https://quarto.org/ Windows: Linux: chmod u+x dpkg -i filename

extensions needed

python3 – Visual Studio Code Quarto Extensions:

python packages needed.

matplotlib numpy pyplot seaborn2 nbformat pyyaml jupyter quarto install tinytex

```
python -m venv .venv
 .\.venv\Scripts\activate
linux: source ./.venv/bin.activate
conda
```

then Pip install matplotlib seaborn nbformat pyyaml jupyter Something go wrong? Kill the .venv folder and start with all the commands numpy

quarto preview .

press cntrl + shift + P add visual mode

IT"S ALIVEEEE

```python
# HashPipe is metadata not a comment, hash is a comment. Don't smoke comments.
import numpy as np
import matplotlib.pyplot as plt

def sigmoid(x):
    return 1 / (1 + np.exp(-x))

# Define the range for the input data
x = np.linspace(-10, 10, 100)
plt.figure(figsize=(5, 3))
plt.plot(x, sigmoid(x), label="Sigmoid")
plt.title("SigmoidFunction")
plt.xlabel("x")
plt.ylabel("f(x)")
plt.grid(True)
```
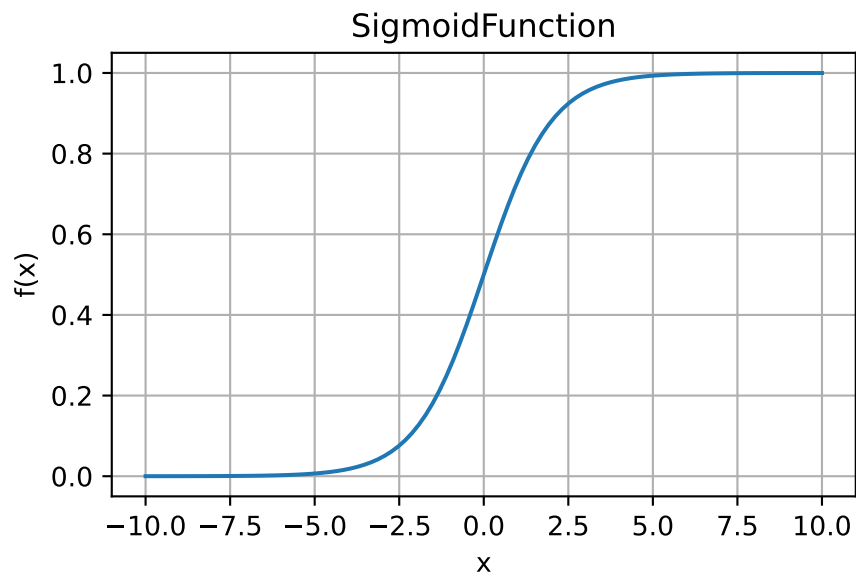

Figure 1: Sigmoid

python

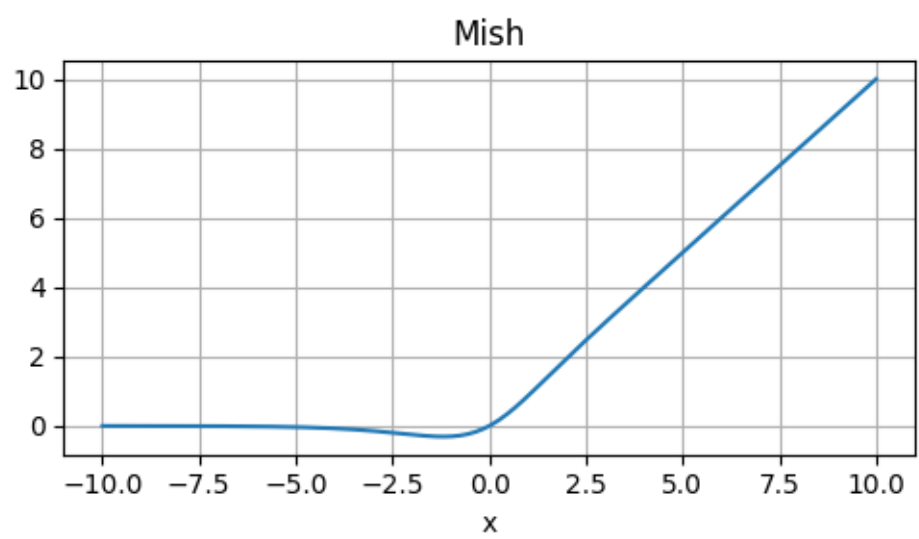$$\mathrm{Mish}(x) = x \cdot \tanh(\mathrm{Softplus}(x))$$

Figure 2: Mish