**Citace**

1 - RASCHKA, Sebastian a Vahid MIRJALILI. *Python machine learning: machine learning and deep learning with Python, scikit-learn, and TensorFlow*. Third edition. Birmingham: Pack publishing, [2019]. ISBN 978-1-78712-593-3.

2 - CHOLLET, François. *Deep learning v jazyku Python: knihovny Keras, Tensorflow*. Přeložil Rudolf PECINOVSKÝ. Praha: Grada Publishing, 2019. Knihovna programátora (Grada). ISBN 978-80-247-3100-1.

3 - RAMACHANDRAN, V. S. *Mozek a jeho tajemství, aneb, Pátrání neurovědců po tom, co nás činí lidmi*. Praha: Dybbuk, 2013. ISBN 978-80-7438-080-8

4 - <https://jontysinai.github.io/jekyll/update/2017/09/24/the-mcp-neuron.html>

5 - <https://towardsdatascience.com/what-the-hell-is-perceptron-626217814f53>

6 - <https://sebastianraschka.com/faq/docs/diff-perceptron-adaline-neuralnet.html>

7 - <https://towardsdatascience.com/gradient-descent-algorithm-a-deep-dive-cf04e8115f21>

**Zdroje obrazových příloh**

Obr. 2.1

<https://github.com/rasbt/python-machine-learning-book-3rd-edition/blob/master/ch02/images/02_01.png>

Obr. 2.2

<https://sebastianraschka.com/pdf/lecture-notes/stat479ss19/L03_perceptron_slides.pdf>

Obr. 2.3

<https://github.com/rasbt/python-machine-learning-book-3rd-edition/blob/master/ch02/images/02_02.png>

Obr. 2.4

<https://github.com/rasbt/python-machine-learning-book-3rd-edition/blob/master/ch02/images/02_04.png>

Obr. 2.5

<https://github.com/rasbt/python-machine-learning-book-3rd-edition/blob/master/ch02/images/02_03.png>

Obr. 2.6

<https://github.com/rasbt/python-machine-learning-book-3rd-edition/blob/master/ch01/images/01_08.png>

Obr. 3.1

<https://github.com/rasbt/python-machine-learning-book-3rd-edition/blob/master/ch02/images/02_09.png>

Obr. 3.2

<https://towardsdatascience.com/gradient-descent-algorithm-a-deep-dive-cf04e8115f21>

Obr. 3.3

<https://www.researchgate.net/figure/Non-convex-optimization-We-utilize-stochastic-gradient-descent-to-find-a-local-optimum_fig1_325142728>

Obr. 3.4

<https://morioh.com/p/b0fefc78f330>

Obr. 3.5

<https://github.com/rasbt/python-machine-learning-book-3rd-edition/blob/master/ch02/images/02_12.png>

Obr. 3.6

<https://www.researchgate.net/figure/Gradient-Descent-Stuck-at-Local-Minima-18_fig4_338621083>

Obr. 3.7

<https://medium.com/analytics-vidhya/journey-of-gradient-descent-from-local-to-global-c851eba3d367>

Obr. 3.8

<https://medium.com/analytics-vidhya/stochastic-gradient-descent-1ab661fabf89>

- neuvedené grafy byly vygenerovány přiloženými skripty

**Použitý kód**

1. *Perceptron.py*

[*https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/Perceptron/Perceptron.py*](https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/Perceptron/Perceptron.py)

1. *perceptron\_Iris\_binary.py*

[*https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/Perceptron/perceptron\_iris\_binary.py*](https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/Perceptron/perceptron_iris_binary.py)

1. *ADALINE.py*

[*https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/ADALINE/ADALINE.py*](https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/ADALINE/ADALINE.py)

1. adaline\_iris\_binary.py

[*https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/ADALINE/adaline\_iris\_binary.py*](https://github.com/Hengrs99/Neural-Networks/blob/main/Networks/ADALINE/adaline_iris_binary.py)