Regression + Assignment 1

(Neural Networks Implementation and Application Tutorial)

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Overview

- Assignment 1
- Regression
- Assignment 2

Assignment 1

Organization

- Late submissions (>10mins) will not be accepted unless previously agreed upon
- Other questions?
- How long did it take?

- *Tutor cue:* go through the assignment
- Questions?
- Did it work?
- Were you able to collaborate?

Regression

- What is the difference between classification and regression? 🧐

Regression to Classification 🤔🤔

Assume that we have a function that outputs a score for every class, e.g. *Predict sentiment into (positive, negative, neutral)*:

$$(15.0, -2.3, 4.1)$$

- How do we use this for classification?

Regression

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- Can we get a probability distribution?

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- How do we use this for classification?
  - Argmax
- Can we get a probability distribution?
  - Softmax: $\frac{\exp x_i}{\sum_k \exp x_k}$

Assignment 2

- Any questions?

Resources

TODO