

# Assignment 3: Hidden Markov Models

**Your name here**

## 1 Task 1

Example equations:

$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \quad (1)$$

This is how you can align equations that span multiple rows:

$$\mathcal{L}^{-1}\{f(d)\} = \mathcal{L}^{-1}\{f_1(\delta).f_2(\delta)\} \quad (2)$$

$$= \exp(mt) \star \left\{ \frac{l}{2\sqrt{\pi t^3}} \exp(-l^2/4t) \right\} \quad (3)$$

$$= F_1 * F_2 \quad (4)$$

$$A = b \quad (5)$$

$$= c \quad (6)$$

$$= 1234 \quad (7)$$

In case you want to have a single number for the equation:

$$\begin{aligned} a &= b \\ &= c \\ &= d \\ &= e \end{aligned} \quad (8)$$

## 2 Task 2

This how you cite Figure 1.

## 3 Task 3

This is how you cite a book, for example [1].

This is how you cite a website [2] you might have used for your assignment.

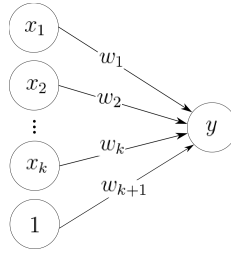


Figure 1: Linear perceptron.

## References

- [1] Christopher M. Bishop. *Pattern Recognition and Machine Learning (Information Science and Statistics)*. Springer-Verlag, Berlin, Heidelberg, 2006.
- [2] Nishant Nikhil. What are the objective functions of hard-margin and soft margin svm? <https://www.quora.com/What-are-the-objective-functions-of-hard-margin-and-soft-margin-SVM>, 2016. [Online; accessed 01-November-2018].