

# Online learning and stochastic gradient descent

*Computational aspects of machine learning*

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**Abstract**—What is the paper about? What is the purpose of paper? What did I do in a nutshell?

**Keywords**—Online learning, stochastic gradient descent, machine learning

TABLE II

BEISPIELTABELLE

Spalte1	Spalte2
0	1

## I. INTRODUCTION

Introduction content

## II. SECTION

Section content

### A. Subsection

Subsection content [1]–[3]

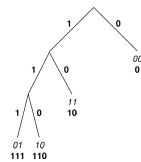


Fig. 1. Baum

TABLE I

BEISPIELTABELLE

Spalte1	Spalte2
0	1

## III. SECTION

Section content

### A. Subsection

Subsection content [1]–[3]

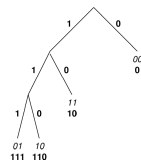


Fig. 2. Baum

## IV. CONCLUSION AND FURTHER WORK

Contents of conclusion

## REFERENCES

- [1] B. Claise, “IPFIX protocol specifications,” Internet-Draft, draft-ietf-ipfix-protocol-07, December 2004.
- [2] A. C. Snoeren, C. Partridge, L. A. Sanchez, C. E. Jones, F. Tchakountio, S. T. Kent, and W. T. Strayer, “Hash-based IP traceback,” in *ACM SIGCOMM 2001 Conference on Applications, Technologies, Architectures, and Protocols for Computer Communication*, 2001.
- [3] A. Belenky and N. Ansari, “IP traceback with deterministic packet marking,” *IEEE Communications Letters*, vol. 7, no. 4, pp. 162–164, 2003.