Mathematics for Machine Learning

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1. INTRODUCTION

We discuss motivations for studying the mathematics behind machine learning, give an outline of the content of the course, and mention the references which were used in putting it together.

1.1 EXERCISES

1.1.1 EXERCISES (BASIC)

PROBLEM 1.1. This is the problem statement.

SOLUTION 1.1. This is the solution.

PROBLEM 1.2. This is the second problem statement.

SOLUTION 1.2. This is the second solution. What if we have x^2.

What does this look like if the solution is substantially longer than the problem.

If we have display maths?

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

Works as long as the LaTeX is valid!