#### Monads and their applications

Dr. Daniel Schäppi's course lecture notes

by Nicola Di Vittorio Matteo Durante

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## Introduction

# Categorical preliminaries

## Monads and algebras

- 2.1 Monads
- 2.2 Algebras
- 2.3 Monadic functors

## Beck's monadicity theorem

Monads in 2-category theory

Monads in  $\infty$ -category theory