What is a Primer?

Primers are broad articles providing a comprehensive and authoritative overview of a method or technique

Introduction

The Introduction will present the method, a timeline of developments and advances in the field, and the underlying scientific principles of the tool or technique.

Outlook

Groundwork for the next 5–10 years is outlined here. Areas that are explored in the Outlook can include automation, industrial-level scaling, or applications in translational research, among others.

Experimentation

This section describes best practices for experimental design and set-up, as well as data collection. Ethical and safety considerations, sample handling and controls are discussed.

Limitations & optimizations

This section discusses the limitations of the method, exploring what the method cannot currently address, as well as common pitfalls and workarounds.

Results

Readers can explore best practices for data handling, analysis, interpretation and validation. Key software, equations, models and statistical tests are included.

Applications

Authors discuss the range of applications for the method, including field-specific considerations for its adoption in different areas of research.

Reproducibility & data deposition

Issues with reproducibility — no matter how big or small — will be outlined here. Efforts for standardization and data sharing in the field will be included.

SPRINGER NATURE