

# Uni Scientific Writing Notes

Felix Pojtinger

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Uni Scientific Writing Notes

# Introduction

Contributing

## Contributing

These study materials are heavily based on [professor Charzinski's "Anleitung zum wissenschaftlichen Arbeiten"](#) lecture at HdM Stuttgart.

**Found an error or have a suggestion?** Please open an issue on GitHub ([github.com/pojectfx/uni-sciwriting-notes](https://github.com/pojectfx/uni-sciwriting-notes)):



Figure 1: QR code to source repository

If you like the study materials, a GitHub star is always appreciated

License

# License



Figure 2: AGPL-3.0 license badge

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# Organization



# Organization

- ▶ Primarily based on the inverted classroom principle
- ▶ Sent files should not contain metadata on person-specific info (make pseudonymous)
- ▶ Paper must be sent in by 2022-01-09
- ▶ Notes must be sent in by 2022-02-27
- ▶ Paper may be in German or English

## Overview

# Overview

1. What is the scientific method
2. Formulating scientific questions
3. Designing experiments
4. Analyzing experiments
5. Planing scientific papers
6. Researching topics and staying up-to-date
  - 6.1 Finding papers → Sci-Hub
  - 6.2 Analyzing papers
  - 6.3 Referencing papers
7. Writing a scientific paper

What is the Scientific Method?

## Writing Style

# Writing Style

- ▶ Structure should not follow the timeline research, but the semantic structure of the discovery
- ▶ No rhetorical questions
- ▶ No judgmental formulations
- ▶ Sentences should be able to stand on their own; reference people and things by their name, not implicit references
- ▶ Do not use the present tense when referring to past events, even if it is popular in journalism
- ▶ Do not use metaphors which are highly imprecise, even if they are common among technical people
- ▶ “I” should not be used in texts
- ▶ Summaries should be about the effect of the research on the subject, not the author’s view on the subject
- ▶ The “motivation” at the start of the paper should not be the personal factors, but prior pointers

## Typical Criteria

# Typical Criteria

- ▶ Complexity of the theme
- ▶ Amount of personal research
- ▶ Quality of the content
- ▶ Depth of research
- ▶ Selection of sources
- ▶ Implementation of prior knowledge
- ▶ Structure of the paper
- ▶ Visual style (used fonts, formatting etc.)
- ▶ Quote style (standardized quotes)