

Comprehensive Report on Data Analysis

Andrea Mussari

January 10, 2026

1 Introduction

The goal of this project is use AI as a tool to design and implement a Markdown parser that supports standard Markdown features plus Mermaid code blocks, producing a structured representation that could be rendered to HTML with special handling for Mermaid diagrams.

I choose Rust as programming language and i use ChatGPT-5.2 to help me in the development process.

2 Development Process

2.1 Prompt #1

2.2 Prompt #2