



# Academic Writing

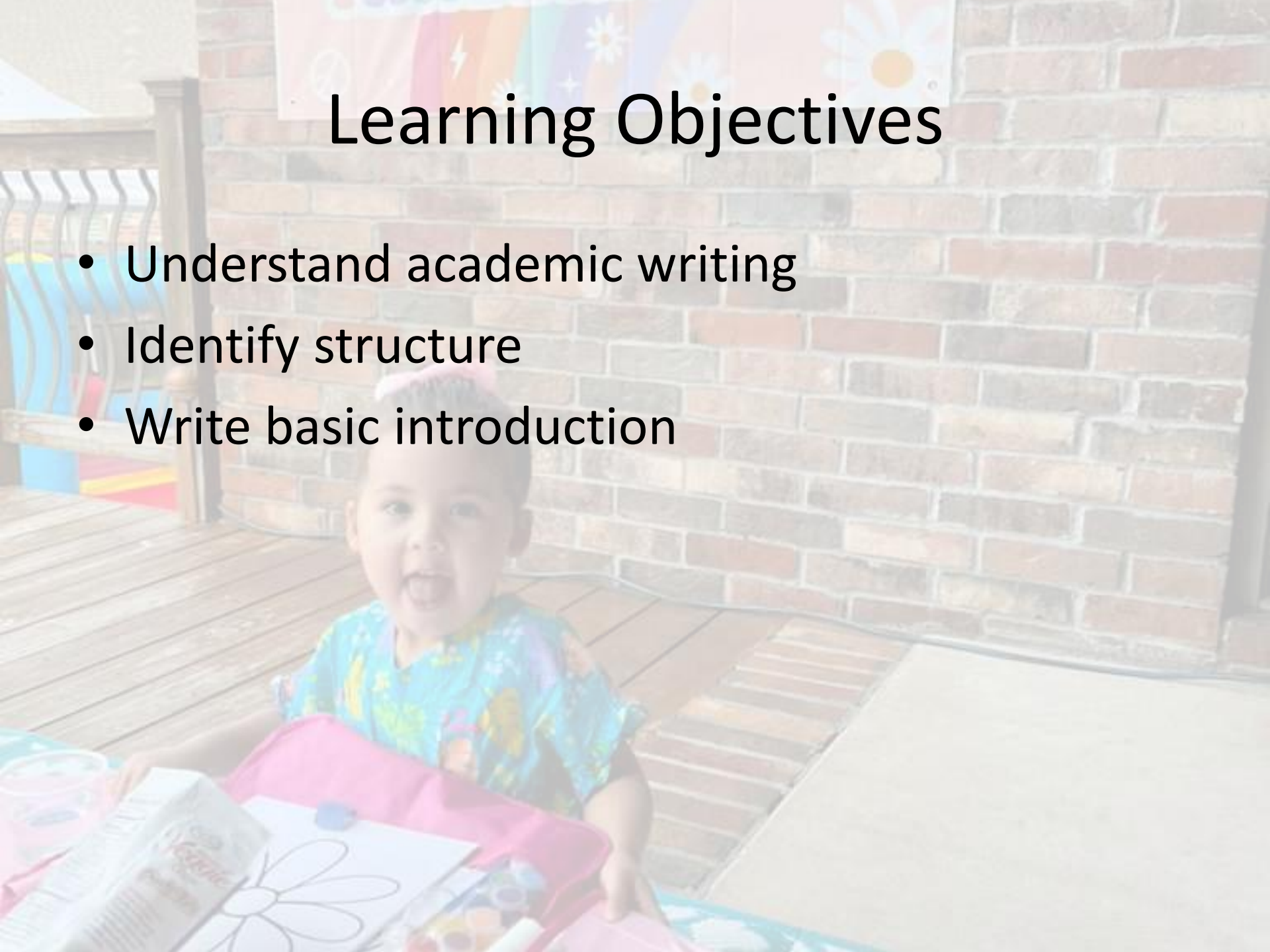
Concept & Introduction

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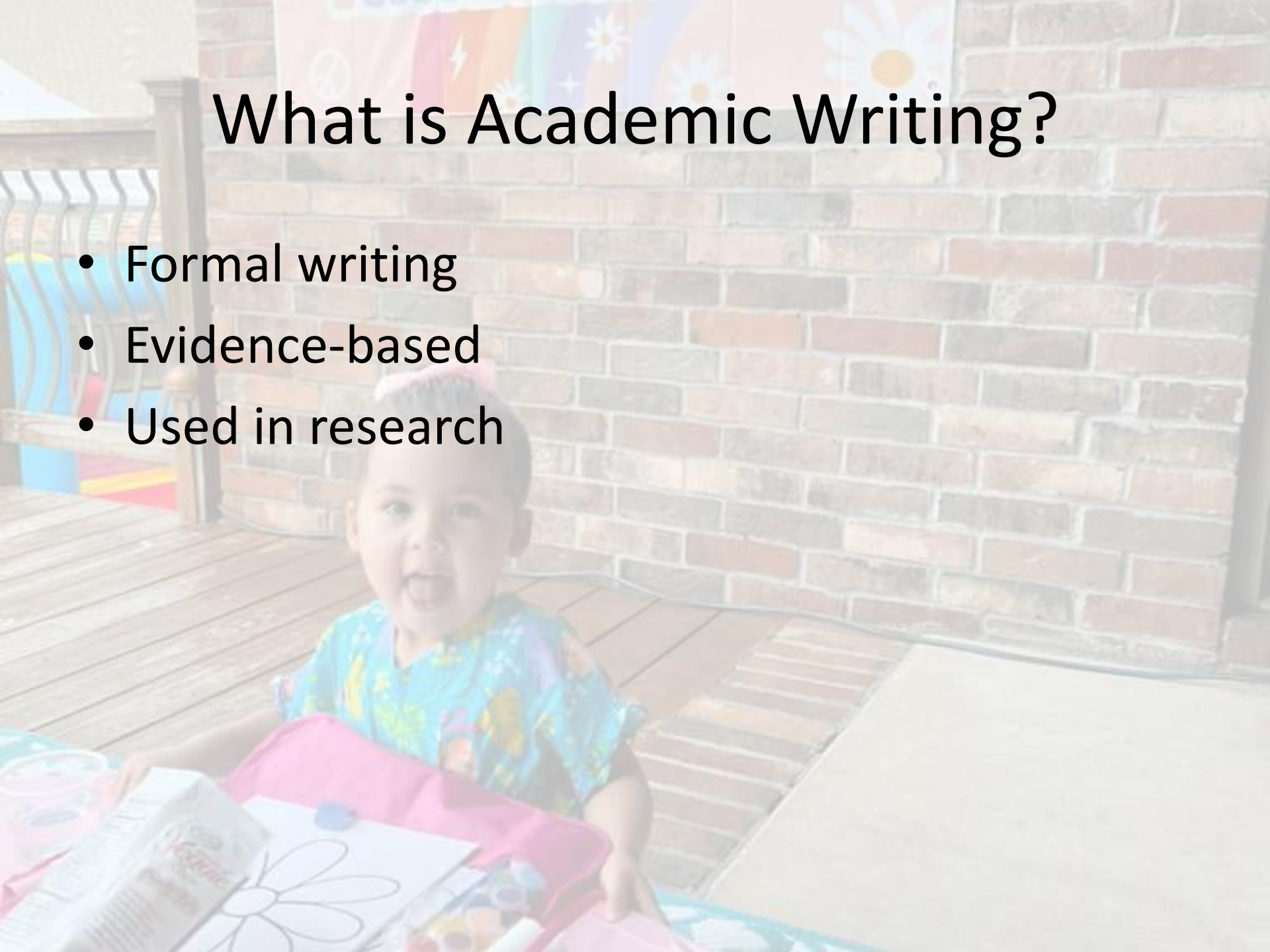
# Learning Objectives

- Understand academic writing
- Identify structure
- Write basic introduction



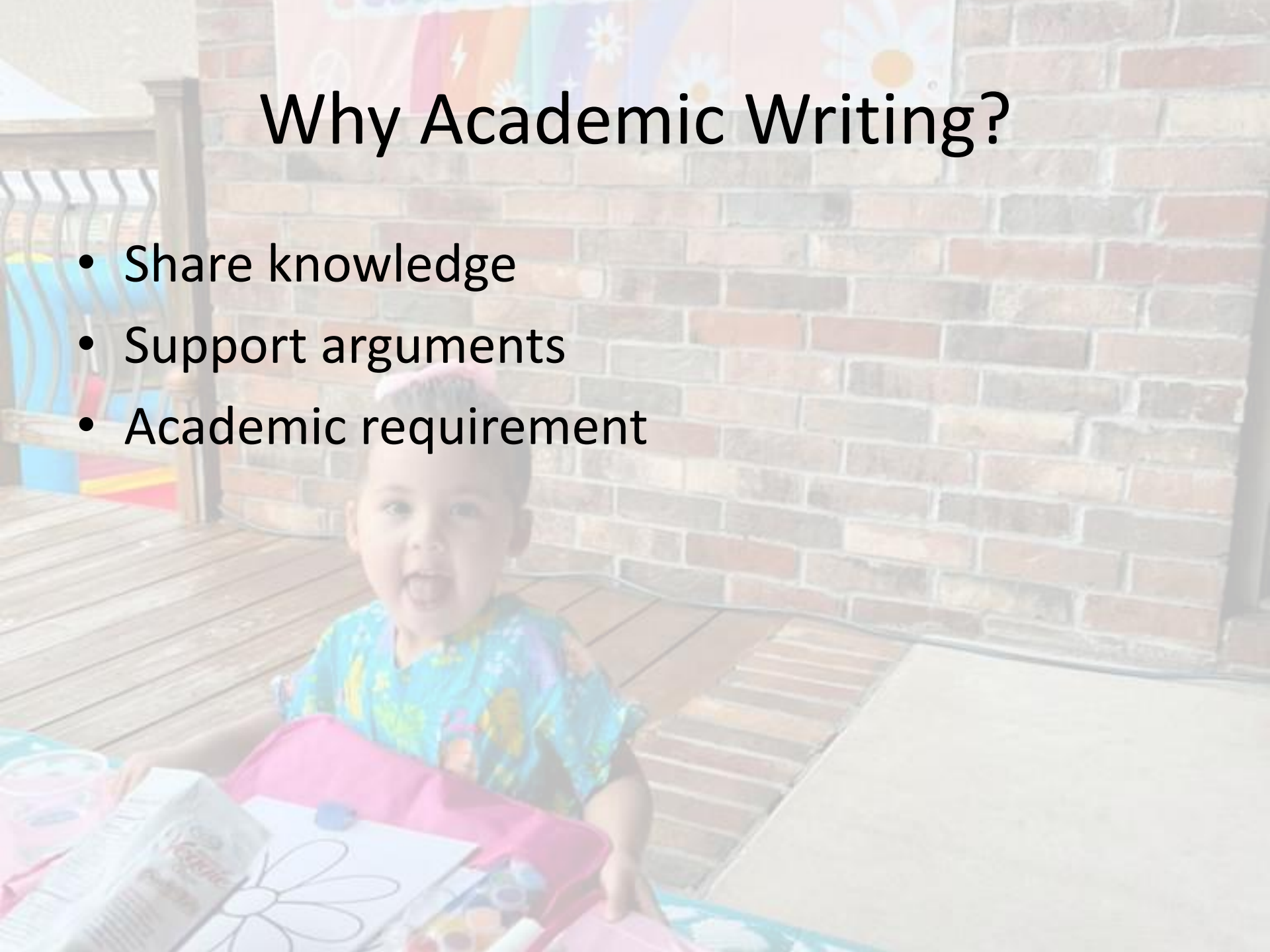
# What is Academic Writing?

- Formal writing
- Evidence-based
- Used in research



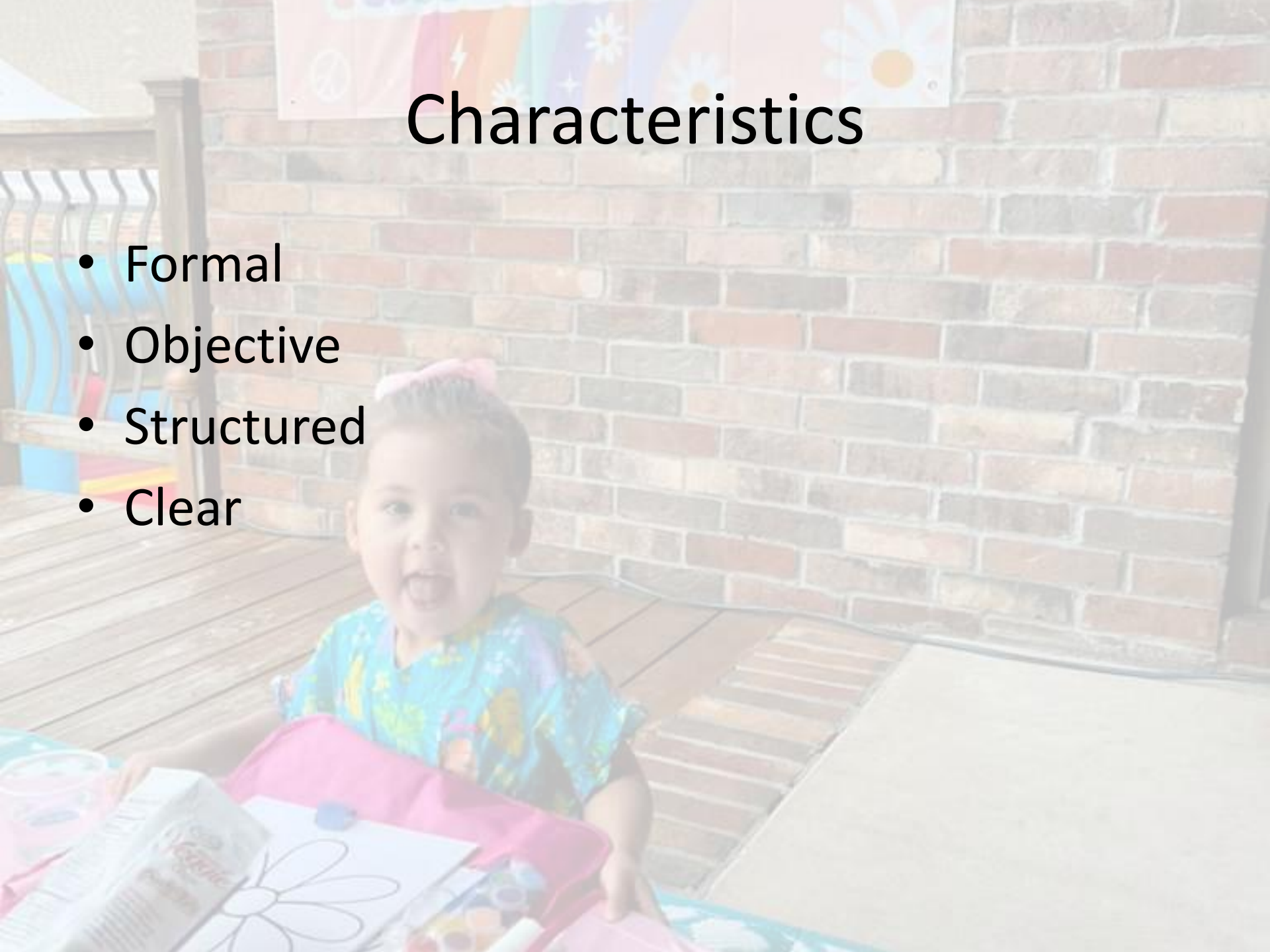
# Why Academic Writing?

- Share knowledge
- Support arguments
- Academic requirement



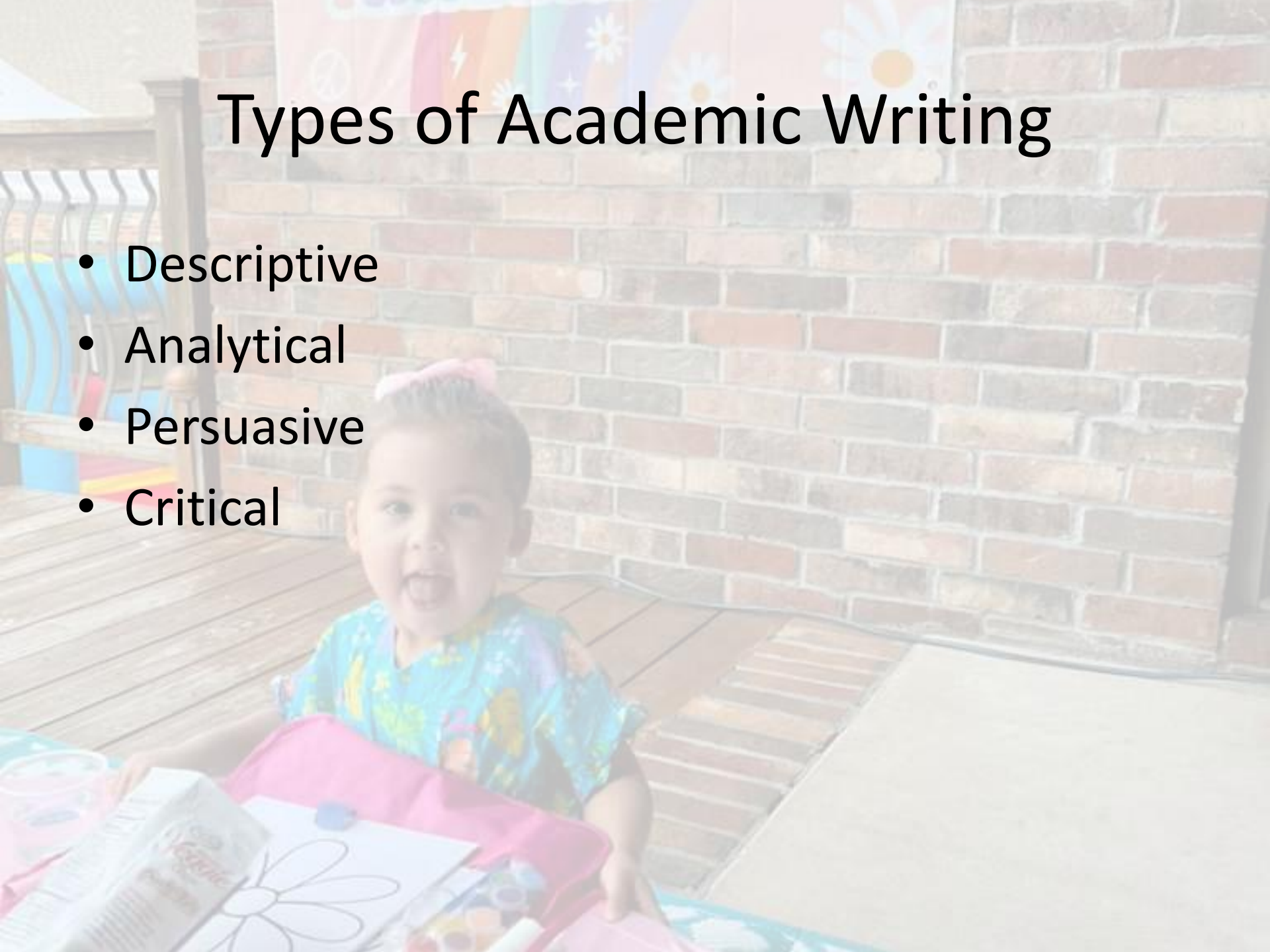
# Characteristics

- Formal
- Objective
- Structured
- Clear



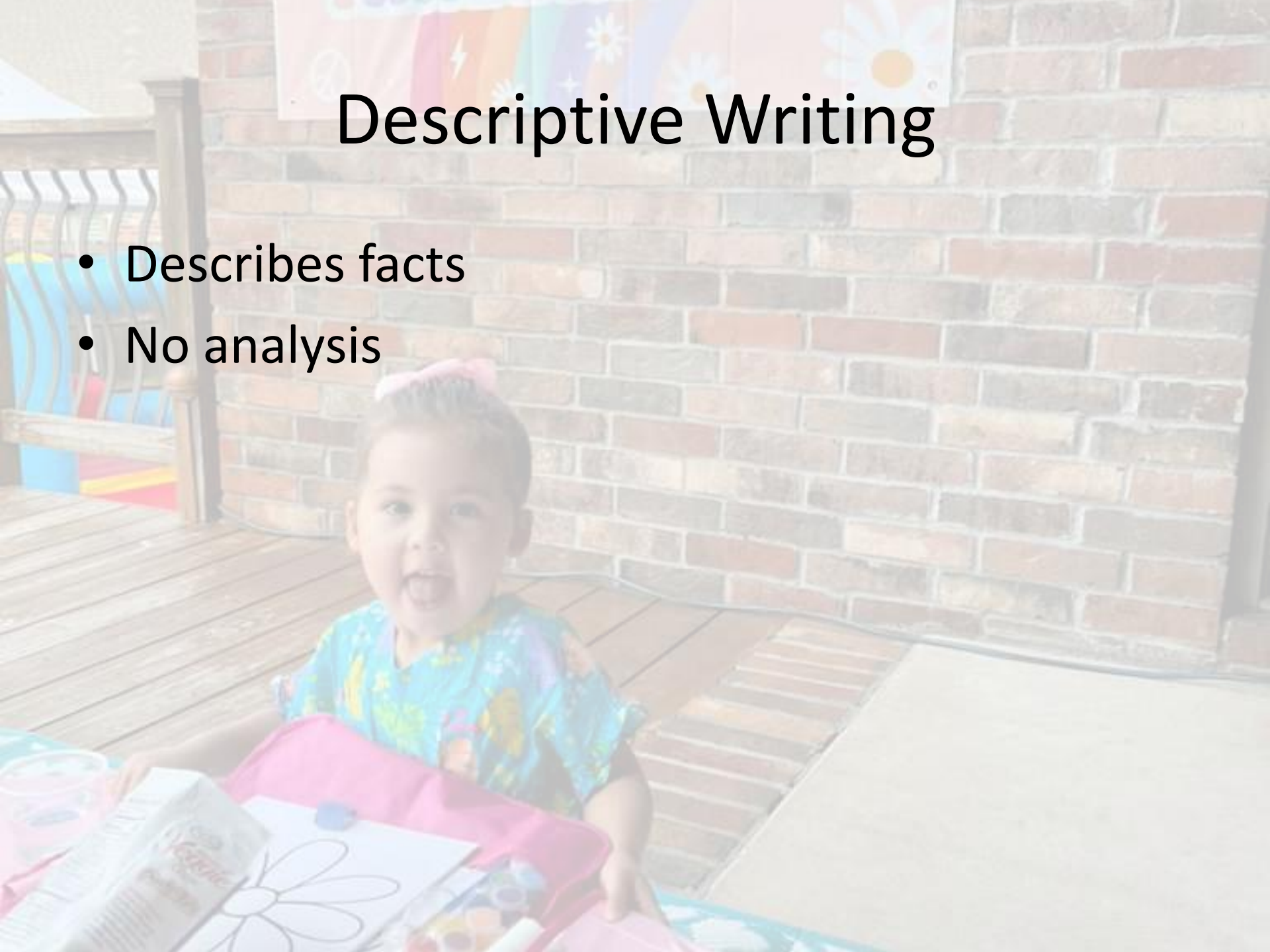
# Types of Academic Writing

- Descriptive
- Analytical
- Persuasive
- Critical



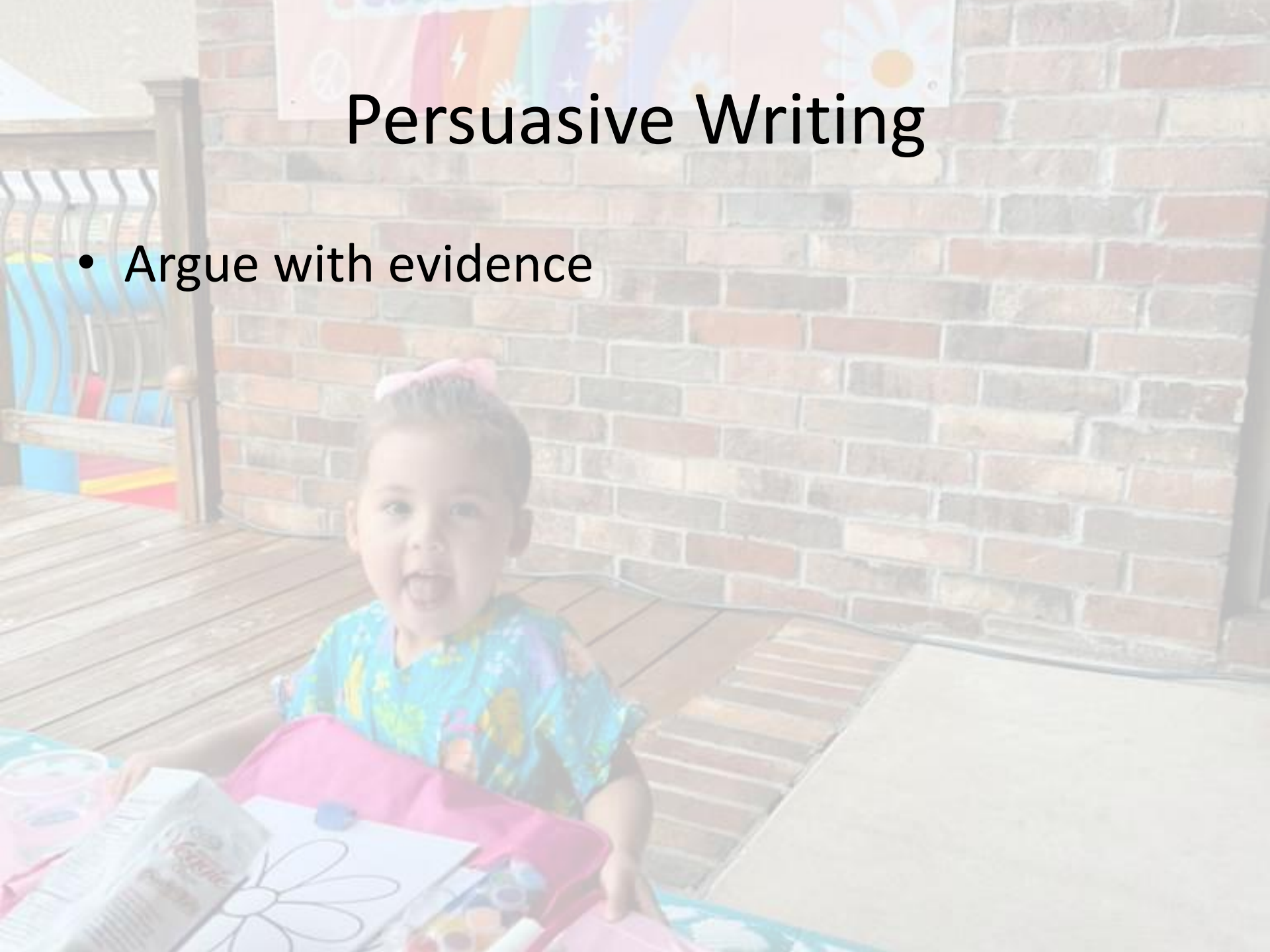
# Descriptive Writing

- Describes facts
- No analysis



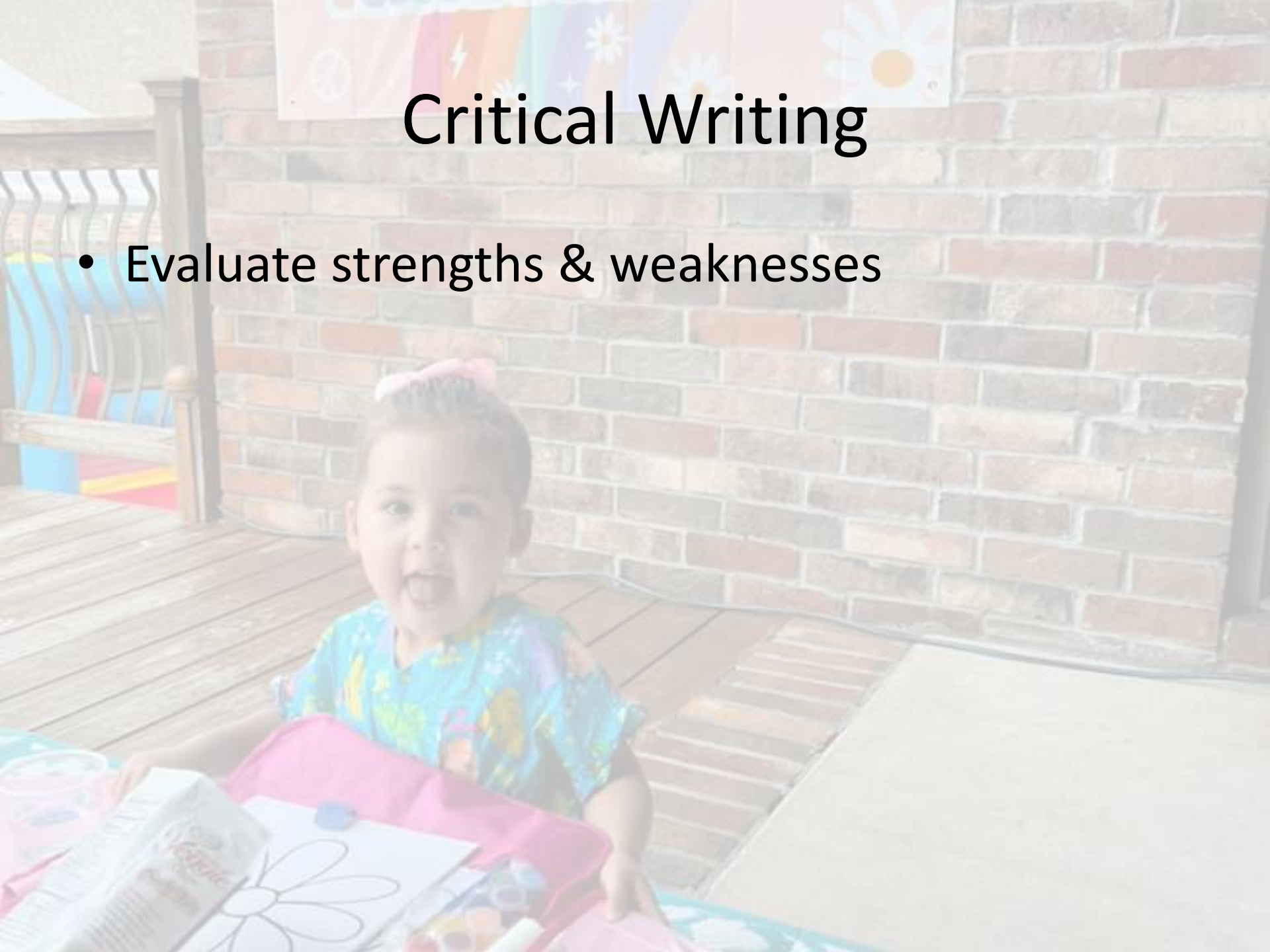
# Persuasive Writing

- Argue with evidence



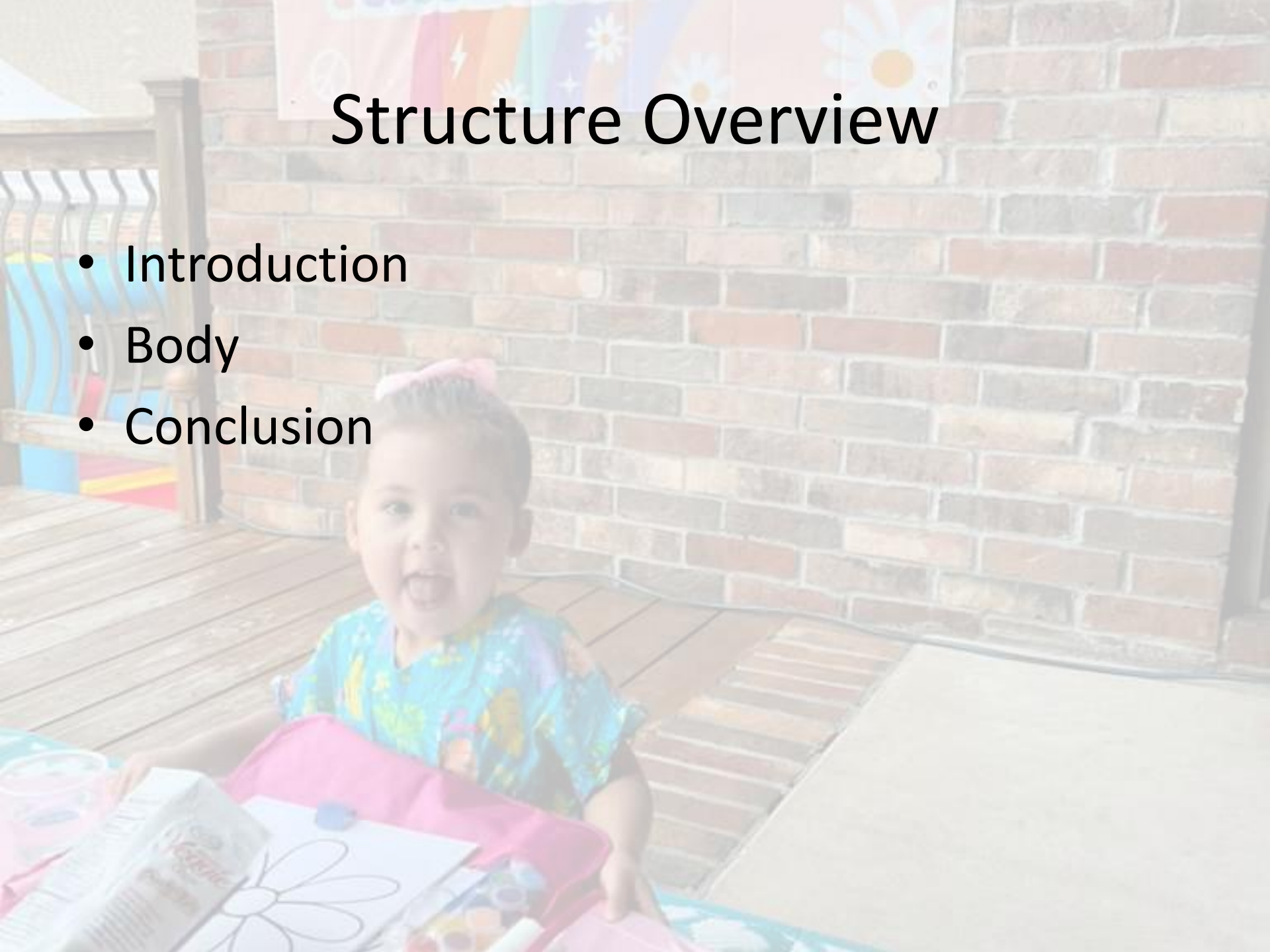
# Critical Writing

- Evaluate strengths & weaknesses



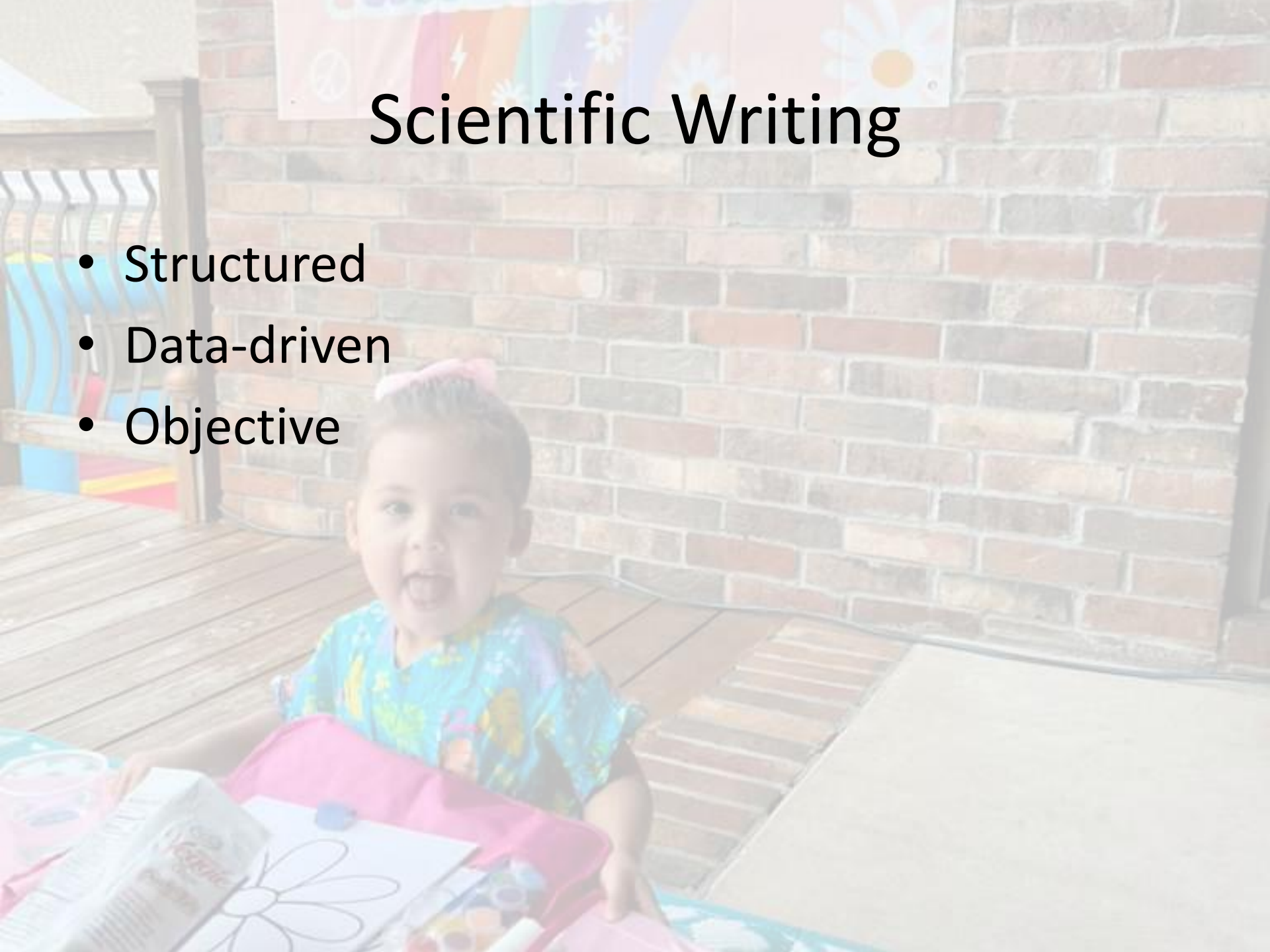
# Structure Overview

- Introduction
- Body
- Conclusion



# Scientific Writing

- Structured
- Data-driven
- Objective



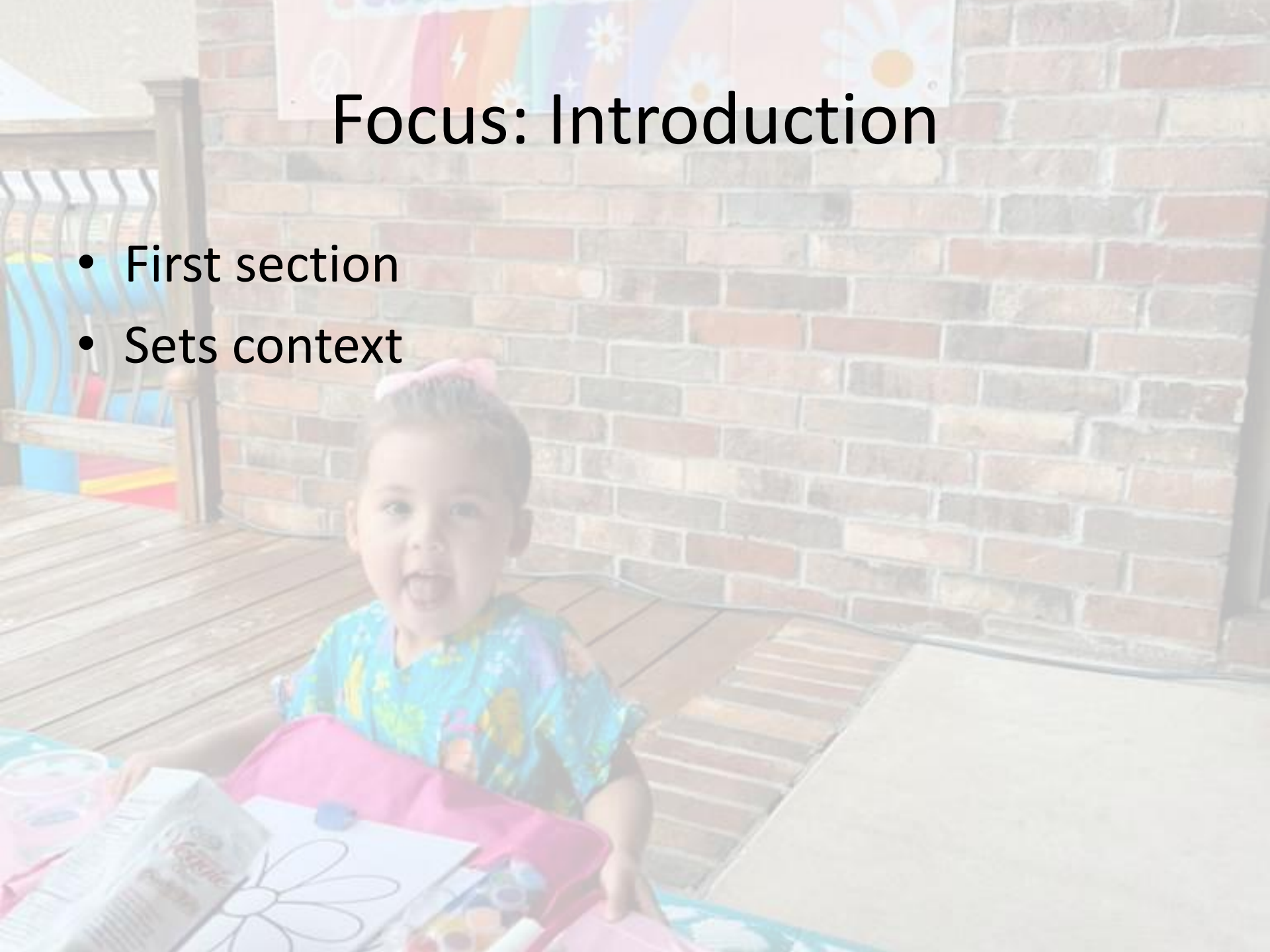
# IMRAD Format

- Introduction
- Methods
- Results
- Discussion



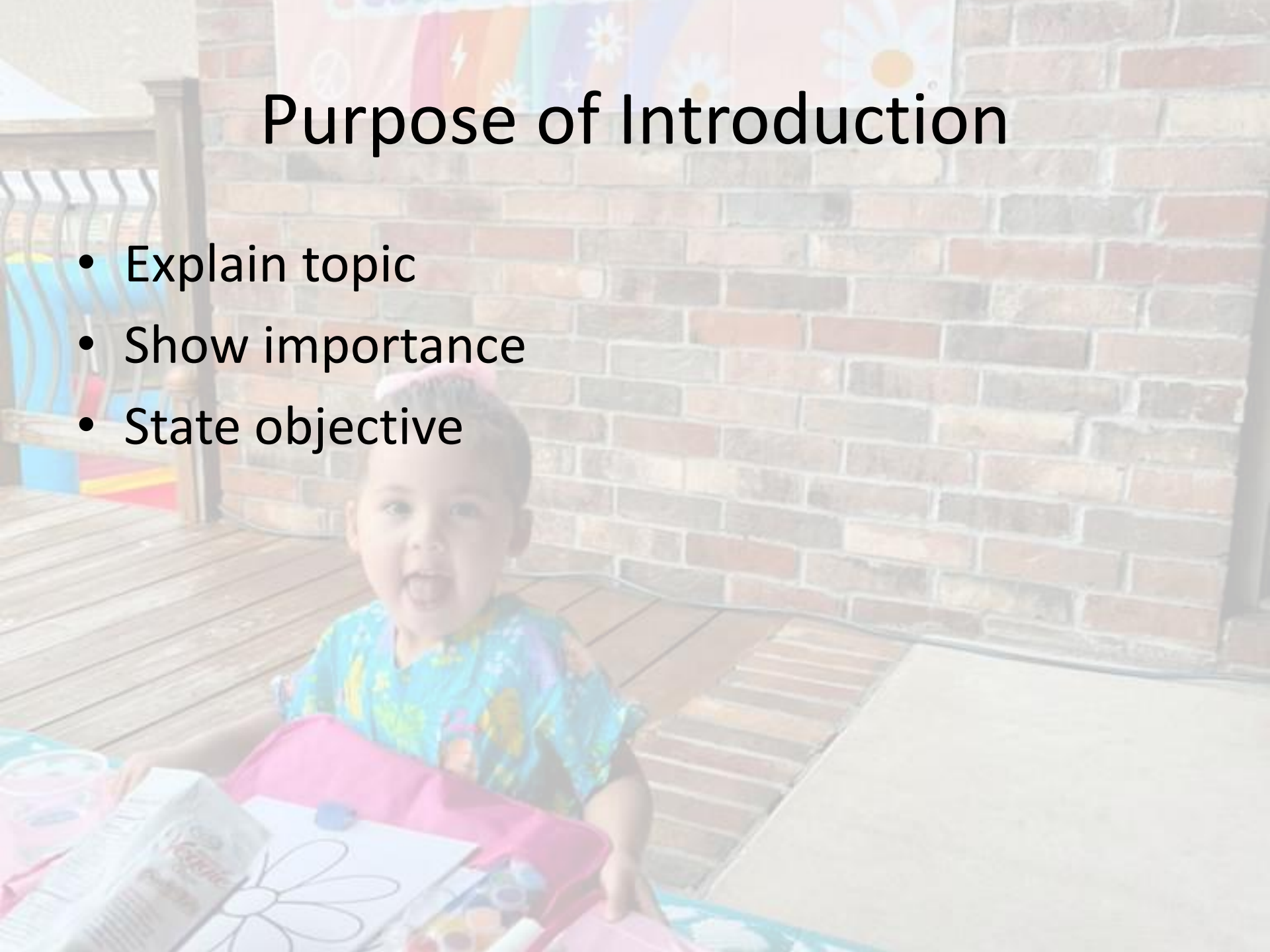
# Focus: Introduction

- First section
- Sets context



# Purpose of Introduction

- Explain topic
- Show importance
- State objective



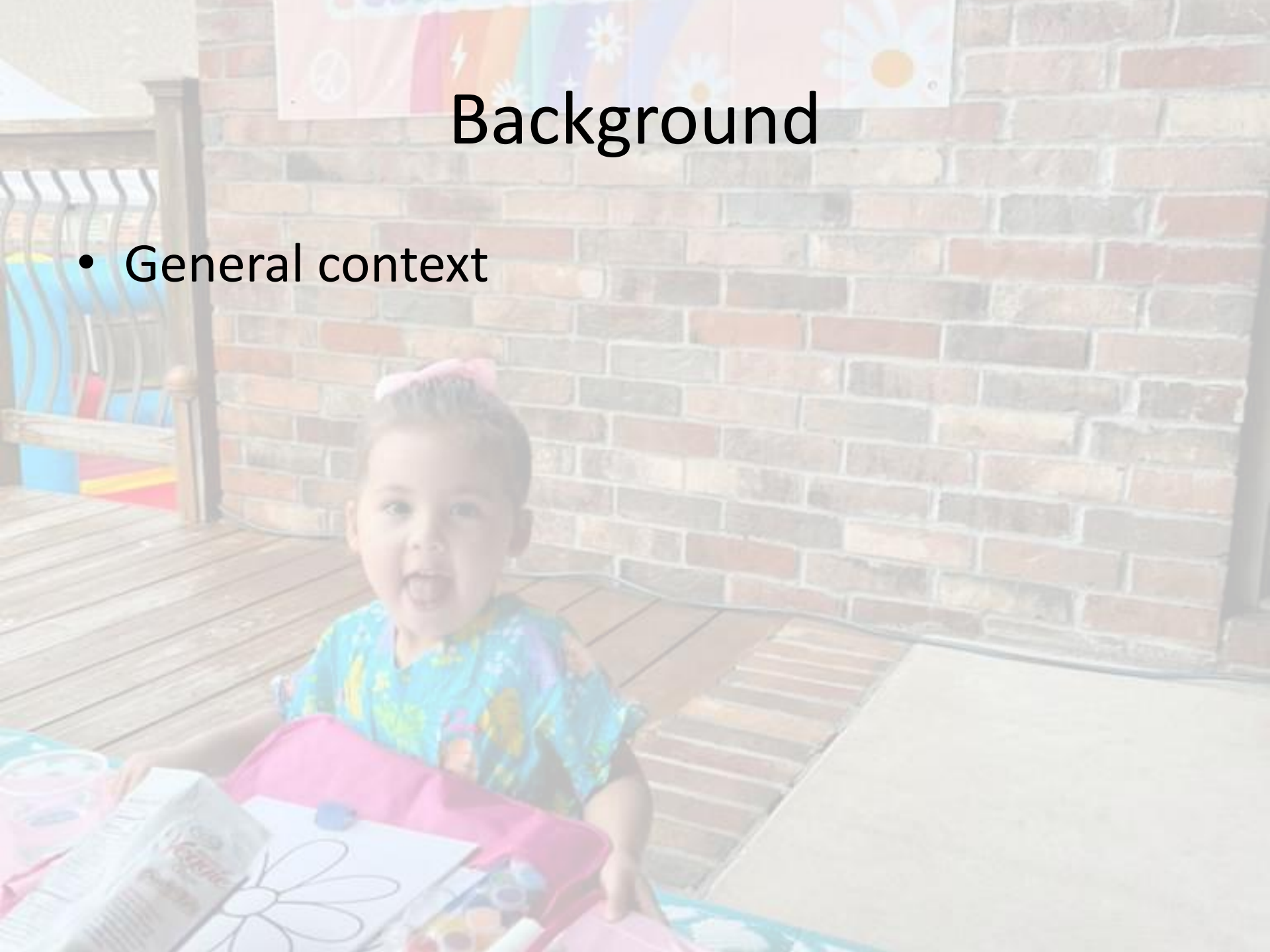
# Components

- Background
- Problem
- Gap
- Objective
- Contribution



# Background

- General context



# Problem Statement

- Specific issue



# Research Gap

- What is missing



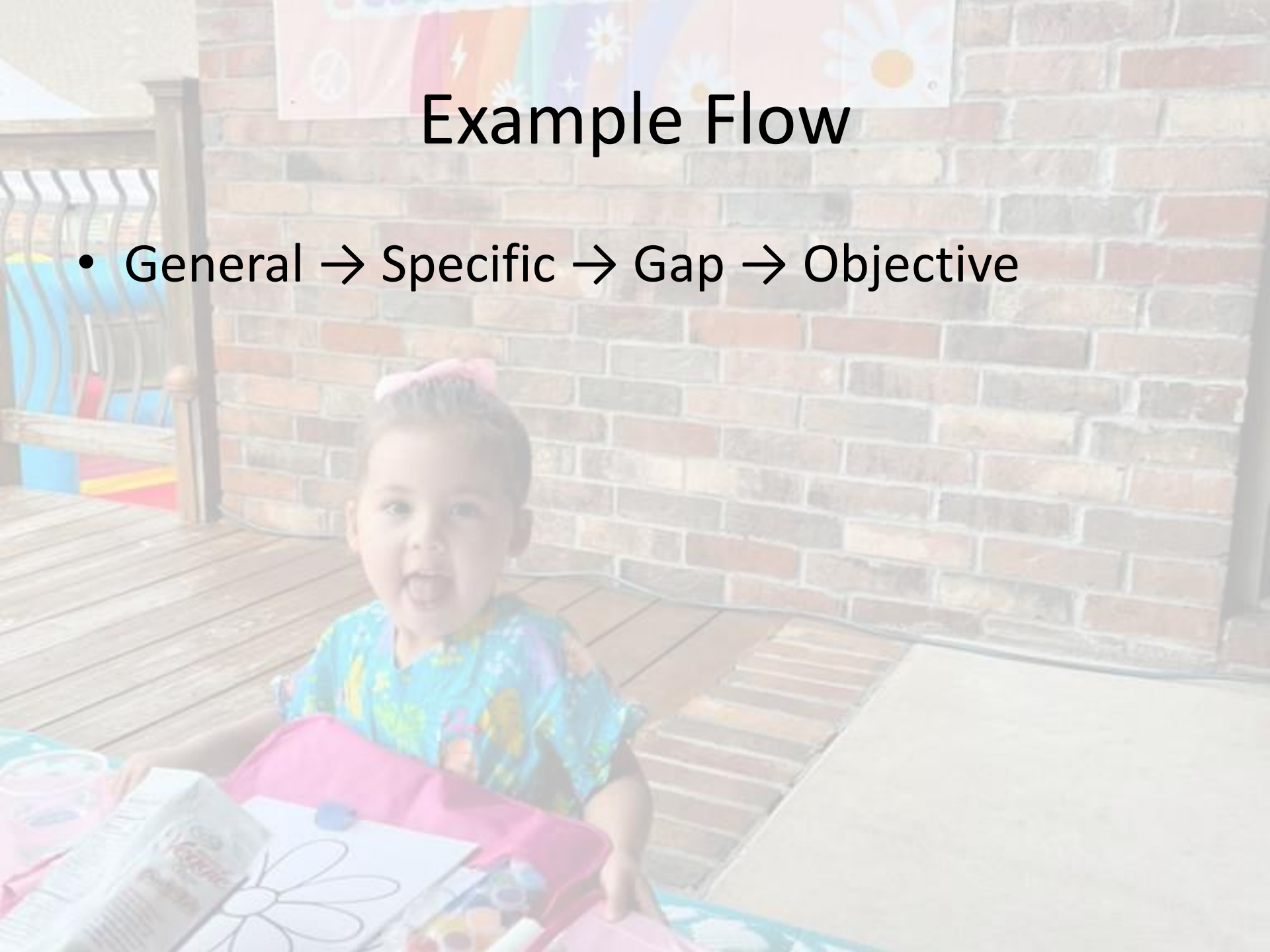
# Research Objective

- What you aim to do



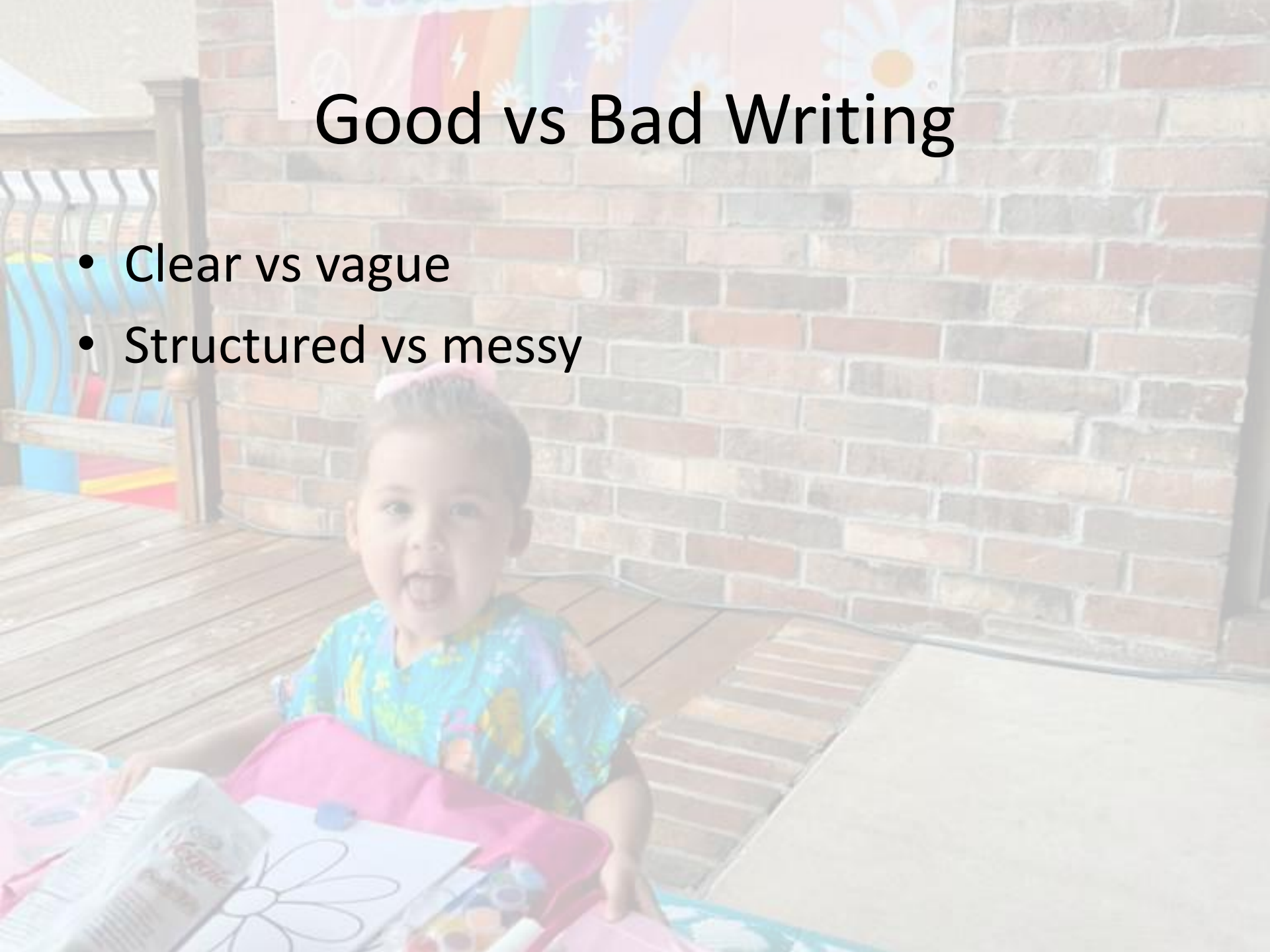
# Example Flow

- General → Specific → Gap → Objective



# Good vs Bad Writing

- Clear vs vague
- Structured vs messy



# Common Mistakes

- No gap
- Too broad
- Plagiarism



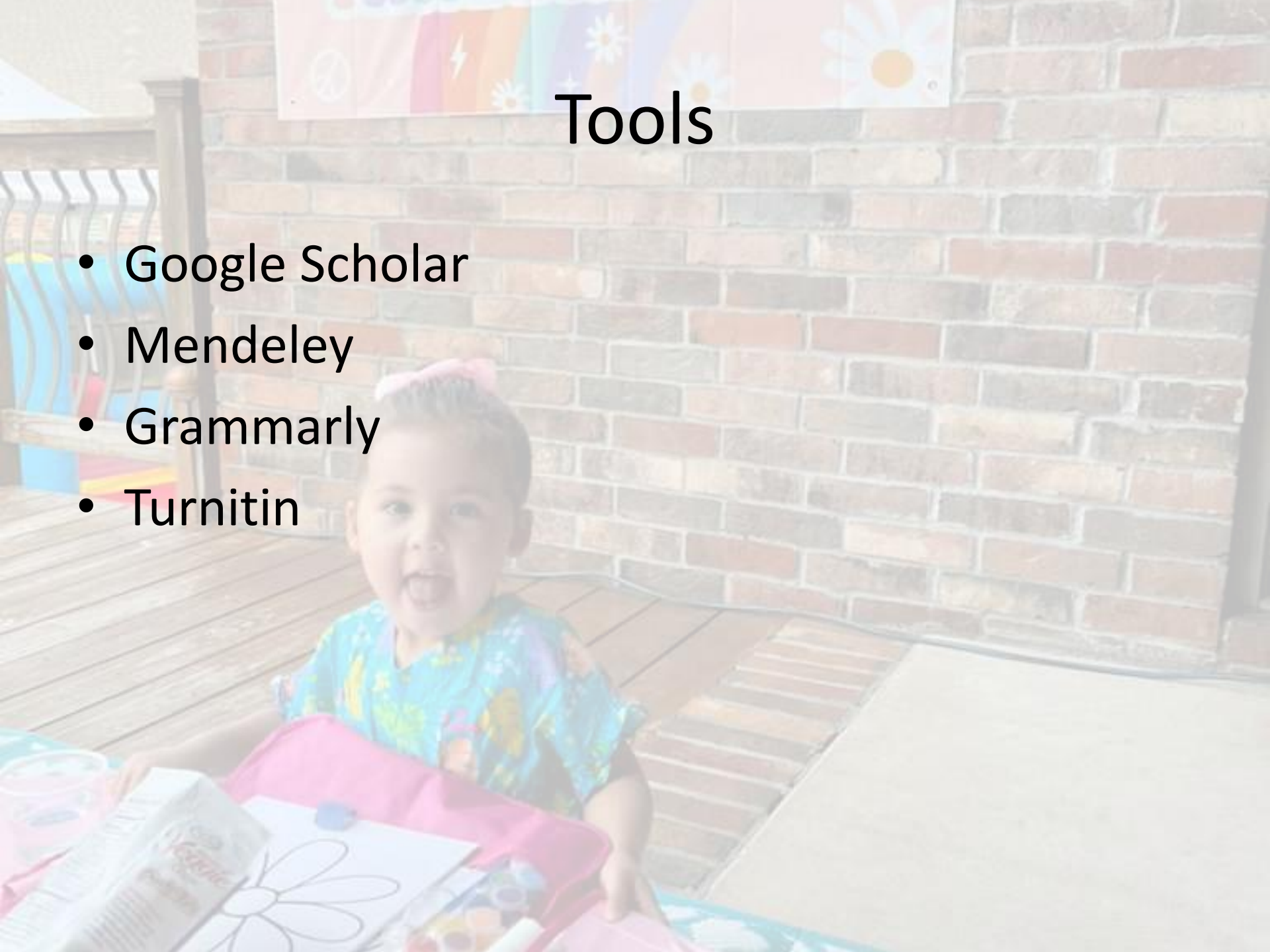
# Avoid Plagiarism

- Cite sources
- Paraphrase



# Tools

- Google Scholar
- Mendeley
- Grammarly
- Turnitin



# Writing Tips

- Simple sentences
- Clear ideas



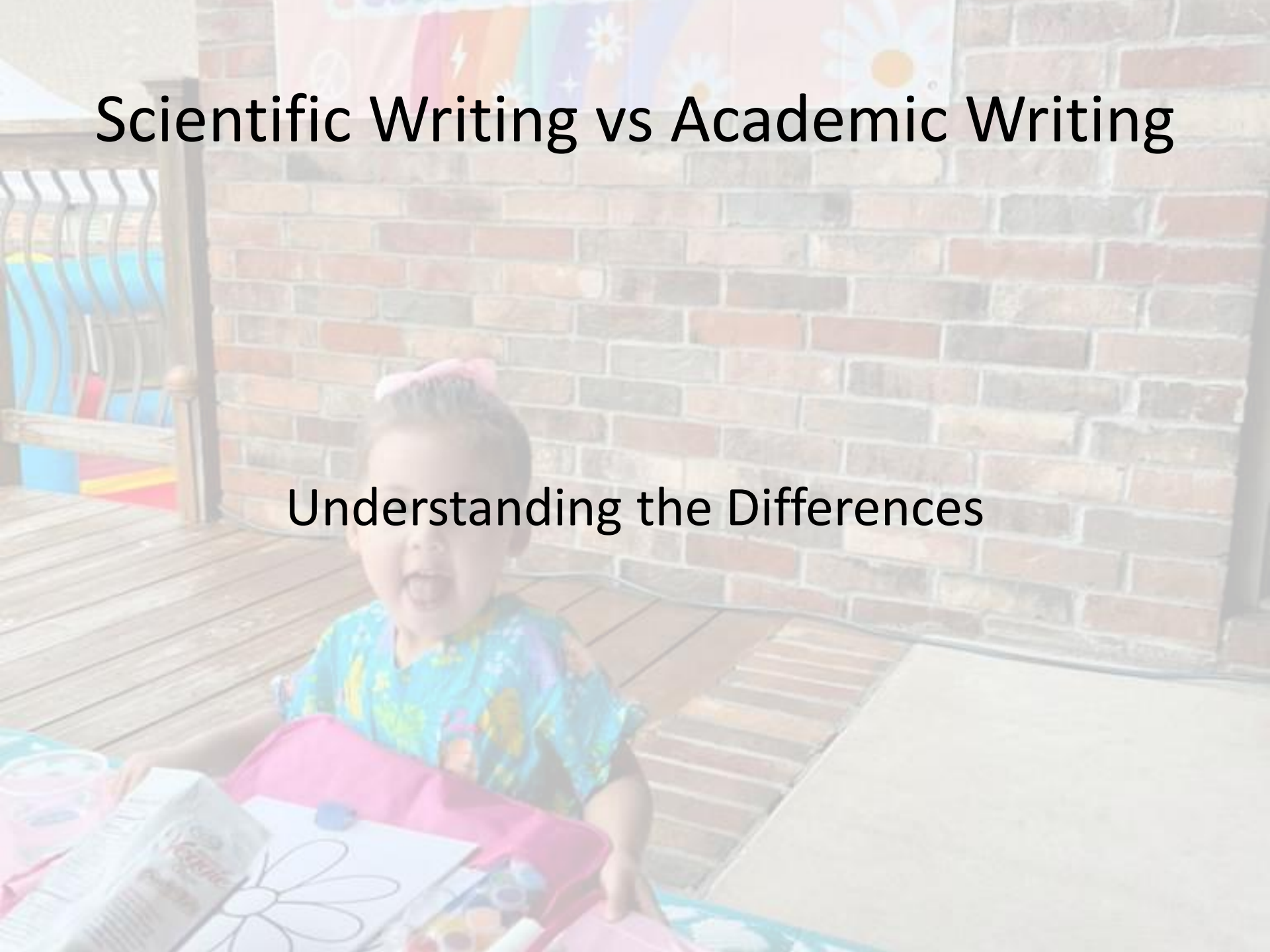
# Mini Exercise

- Write 1 paragraph introduction



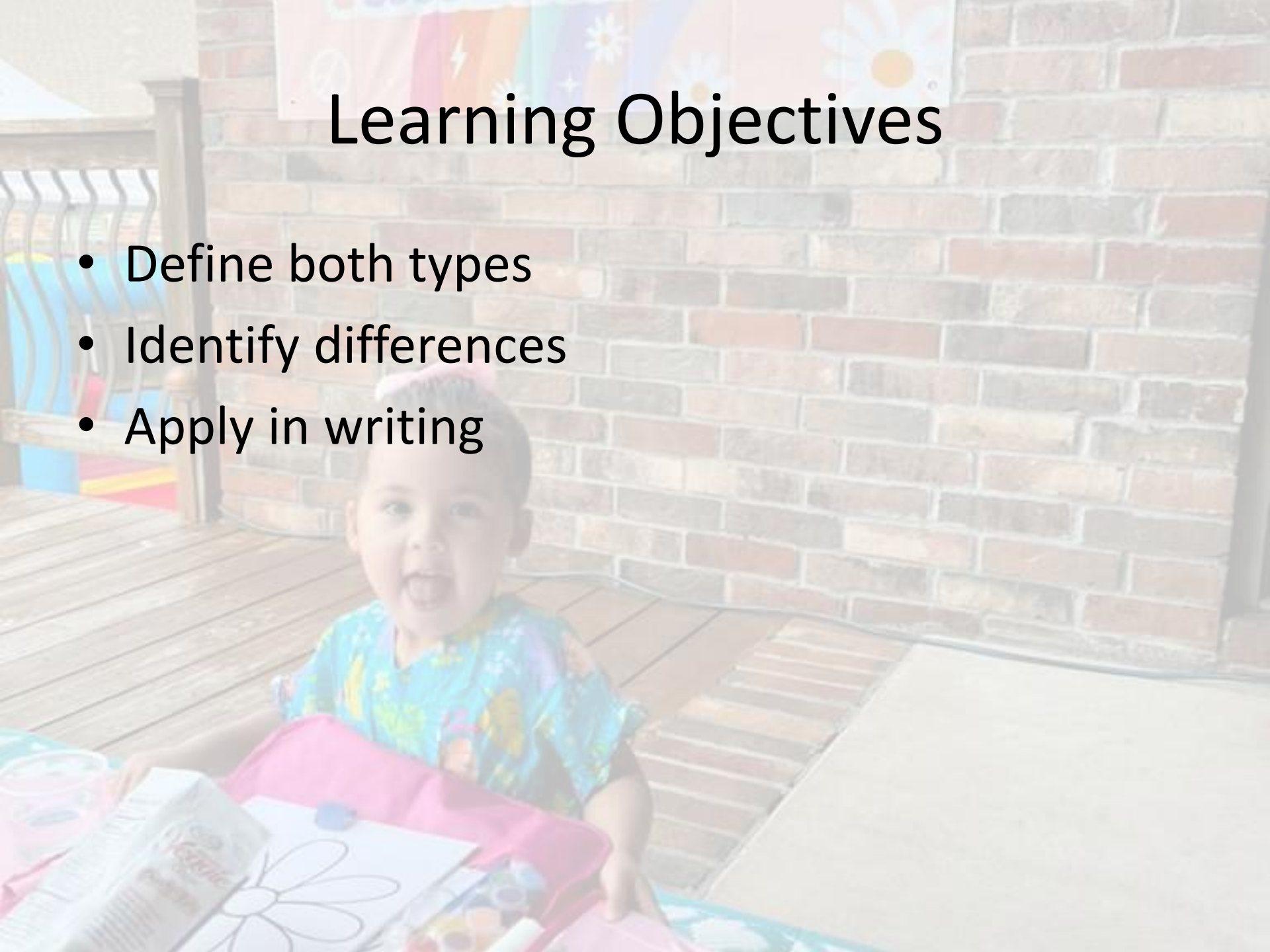
# Scientific Writing vs Academic Writing

Understanding the Differences



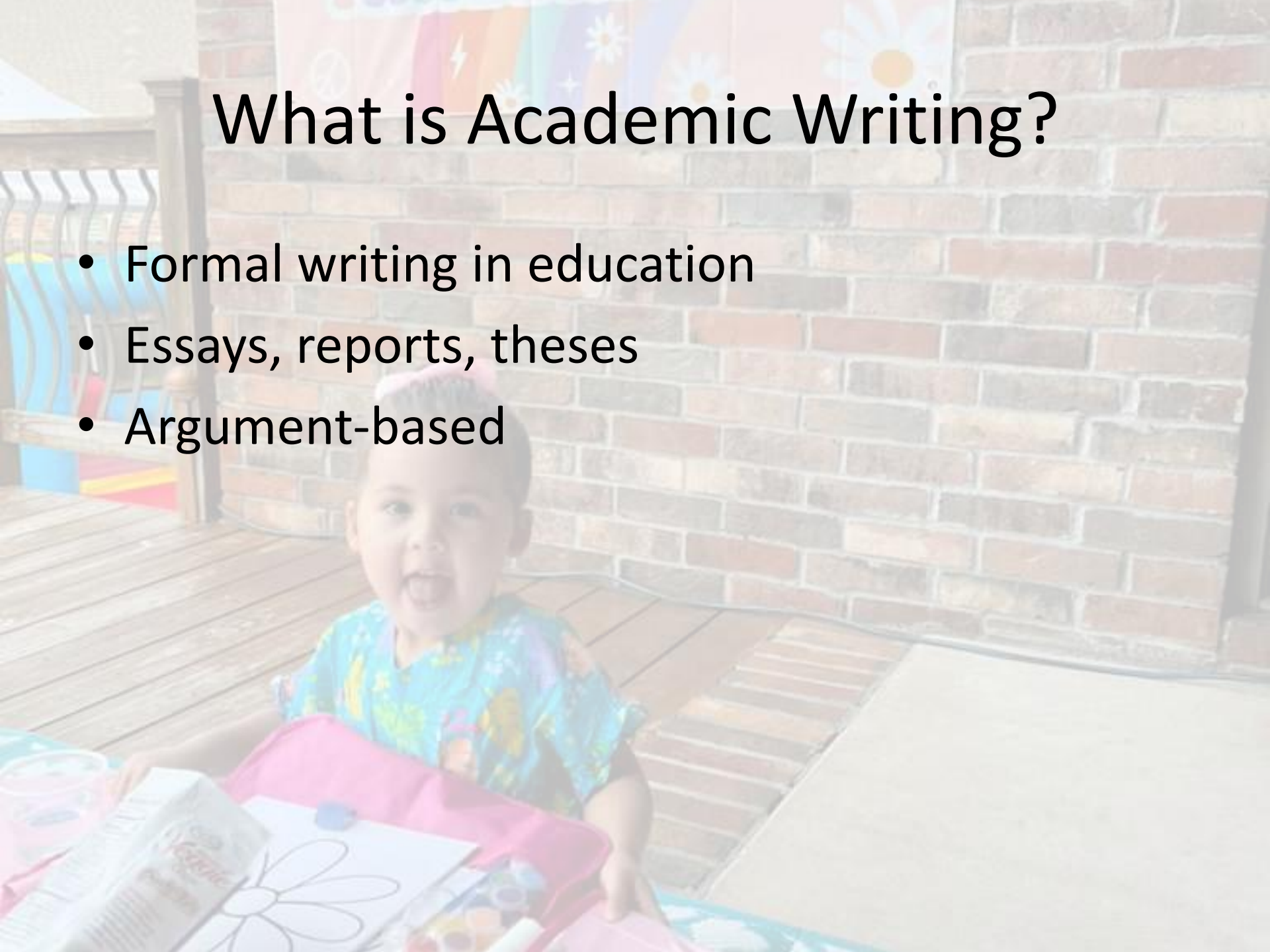
# Learning Objectives

- Define both types
- Identify differences
- Apply in writing



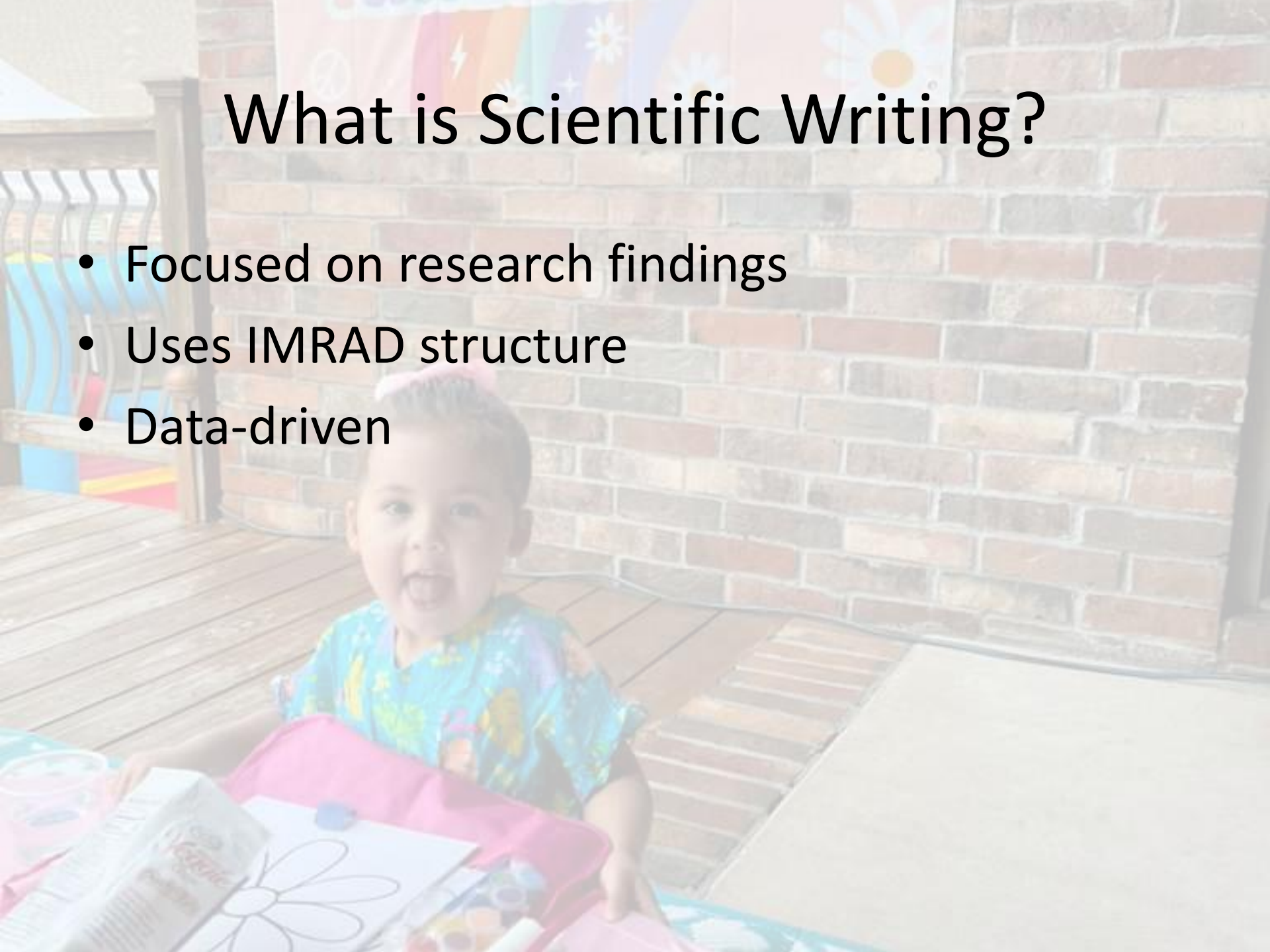
# What is Academic Writing?

- Formal writing in education
- Essays, reports, theses
- Argument-based



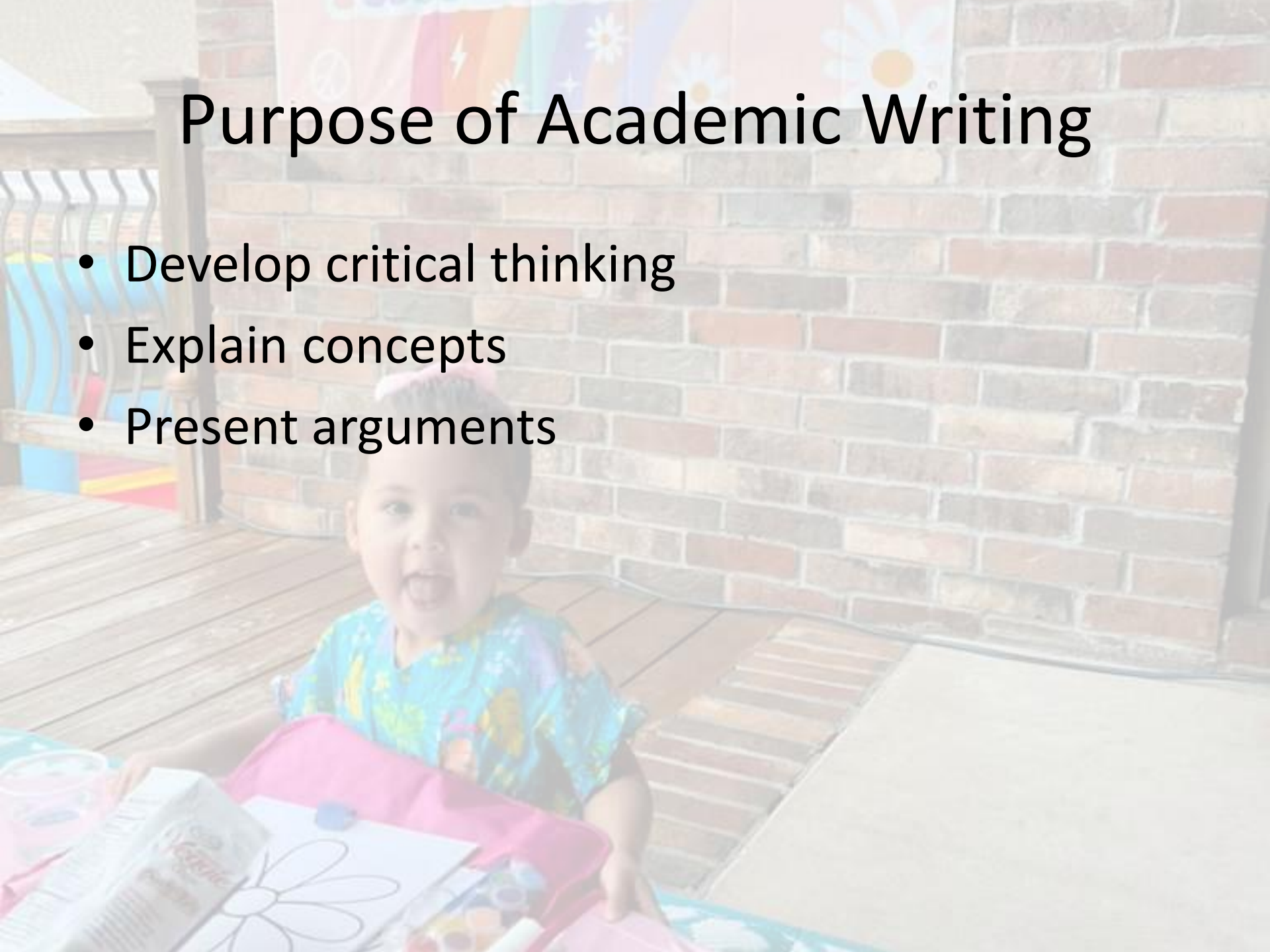
# What is Scientific Writing?

- Focused on research findings
- Uses IMRAD structure
- Data-driven



# Purpose of Academic Writing

- Develop critical thinking
- Explain concepts
- Present arguments



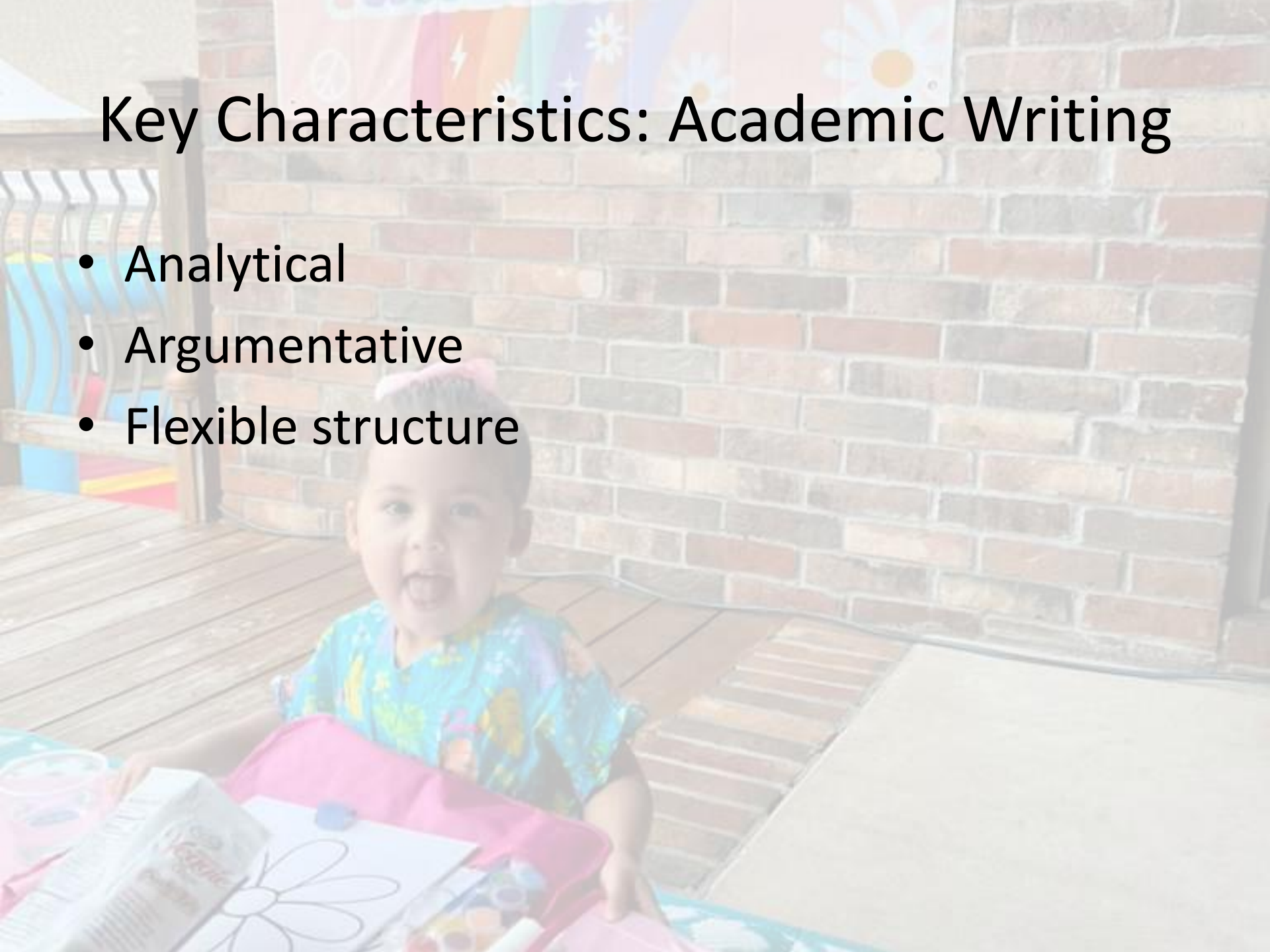
# Purpose of Scientific Writing

- Communicate research results
- Support reproducibility
- Advance science



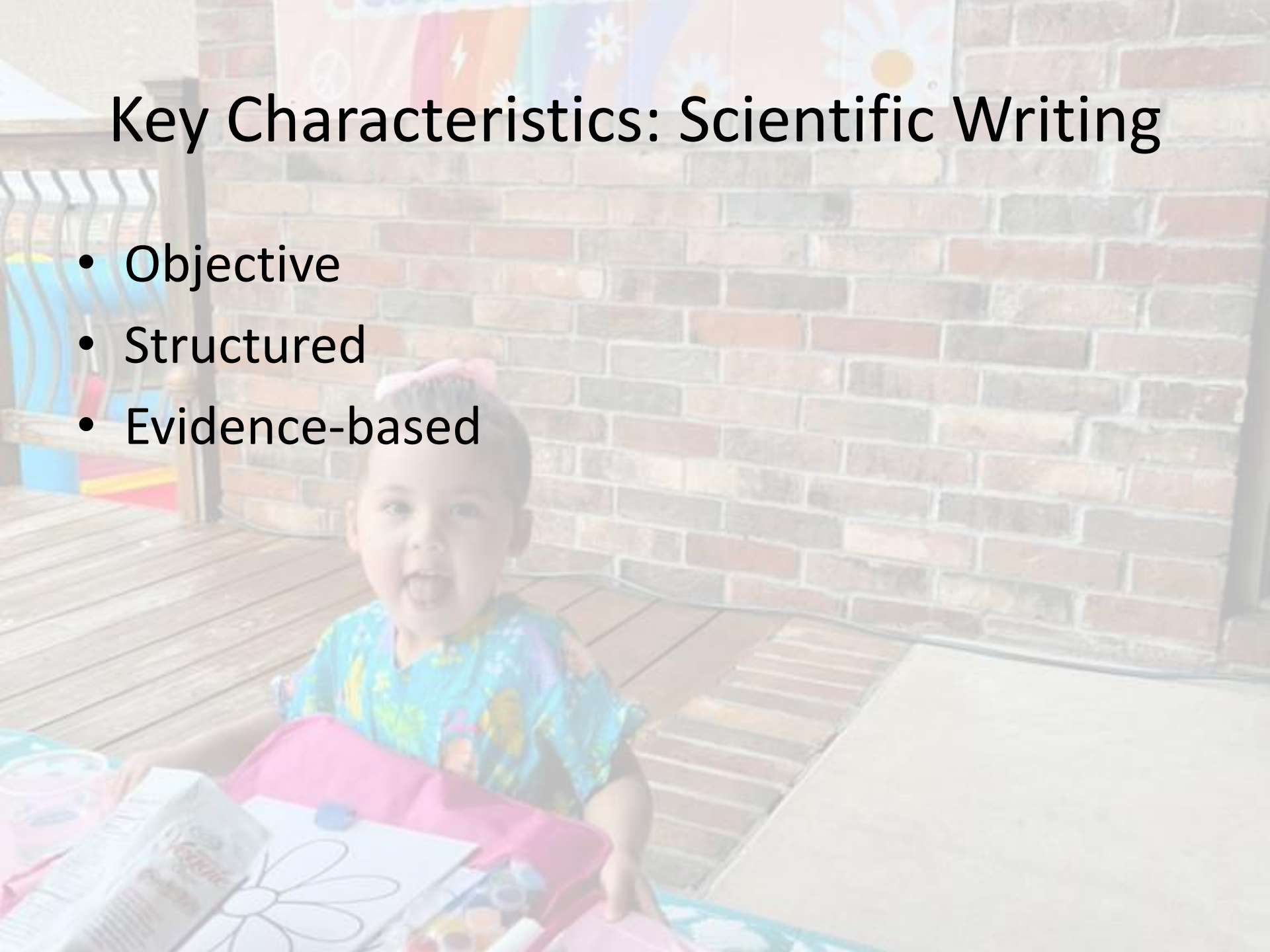
# Key Characteristics: Academic Writing

- Analytical
- Argumentative
- Flexible structure



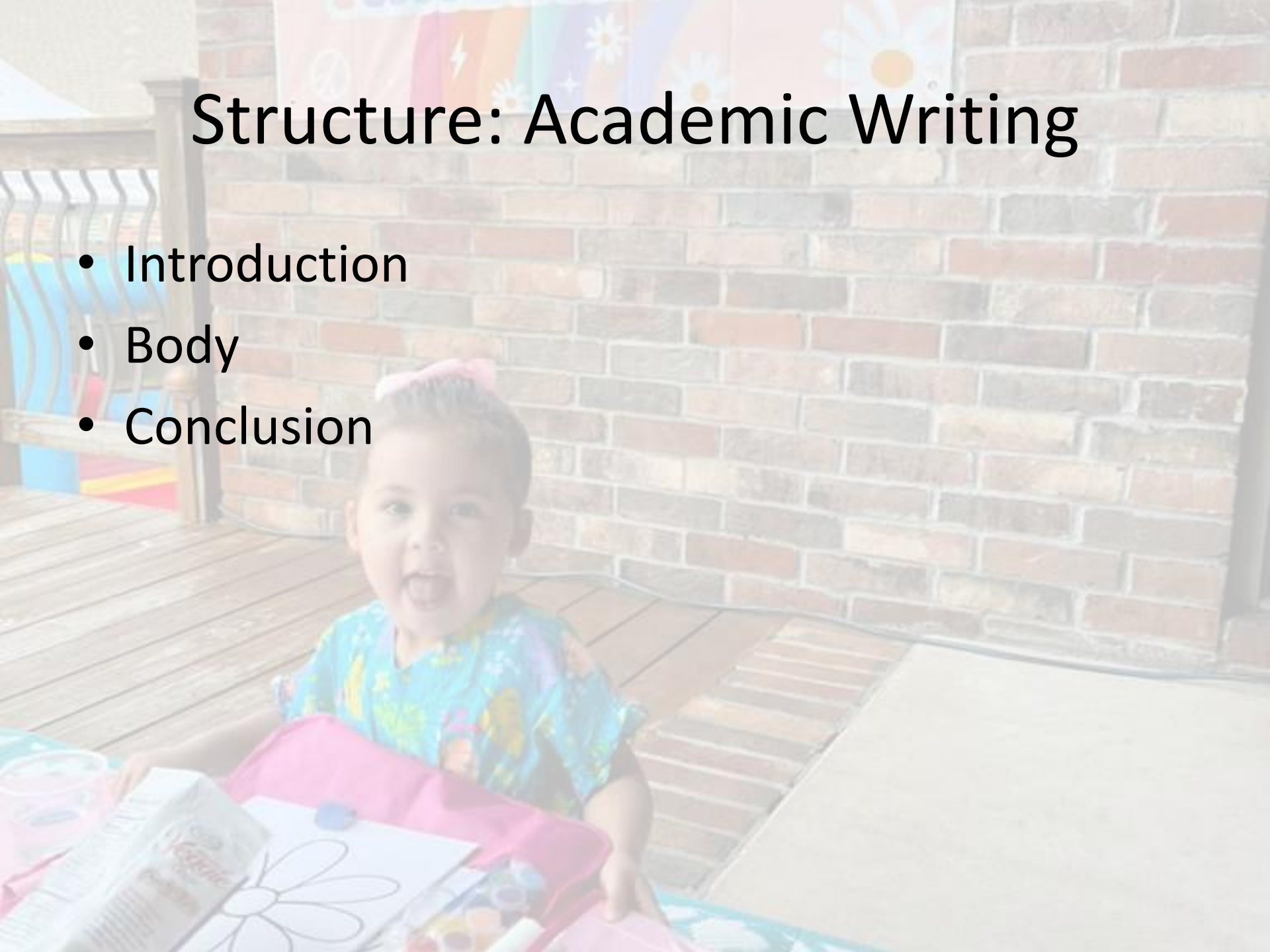
# Key Characteristics: Scientific Writing

- Objective
- Structured
- Evidence-based



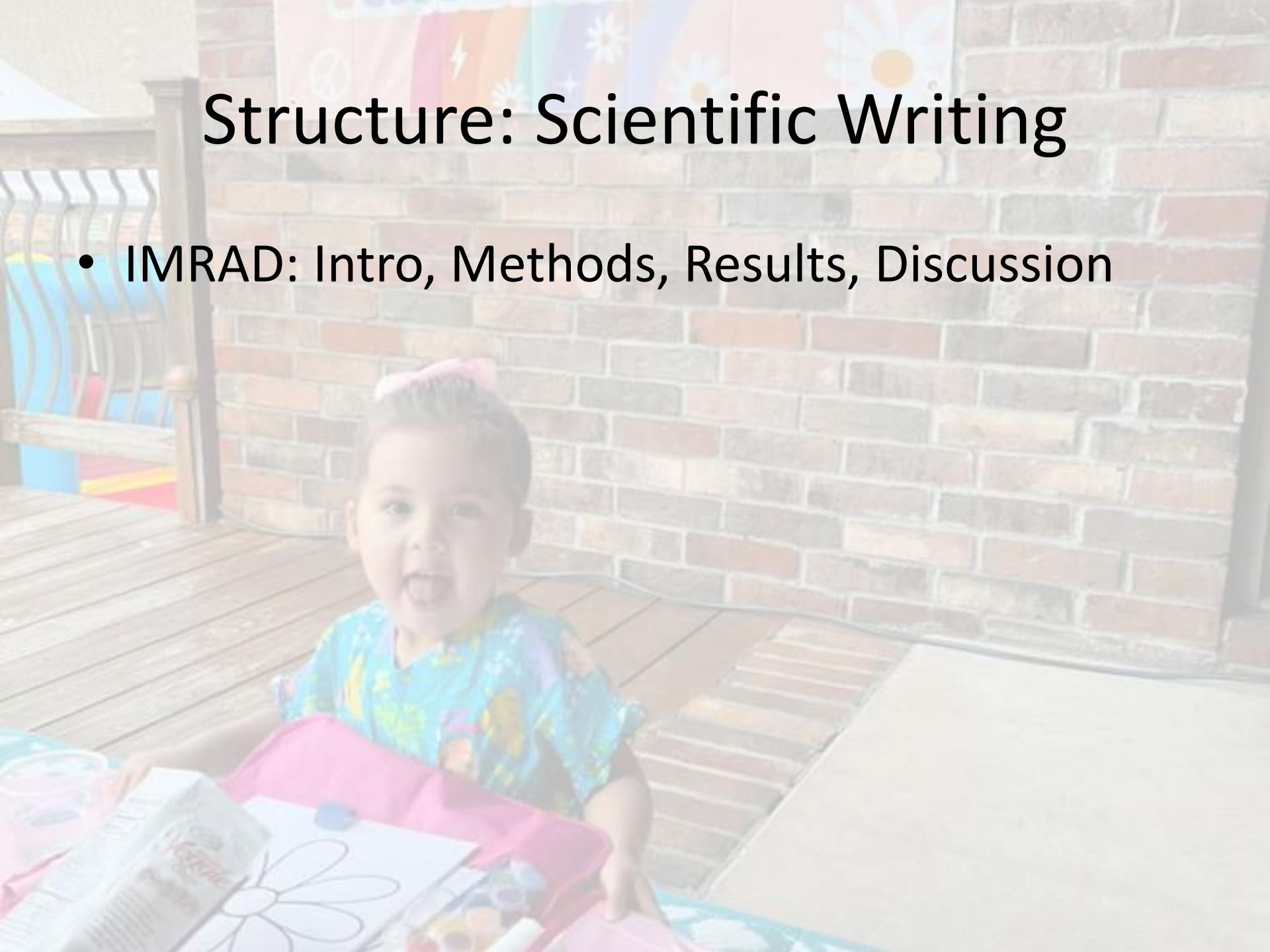
# Structure: Academic Writing

- Introduction
- Body
- Conclusion



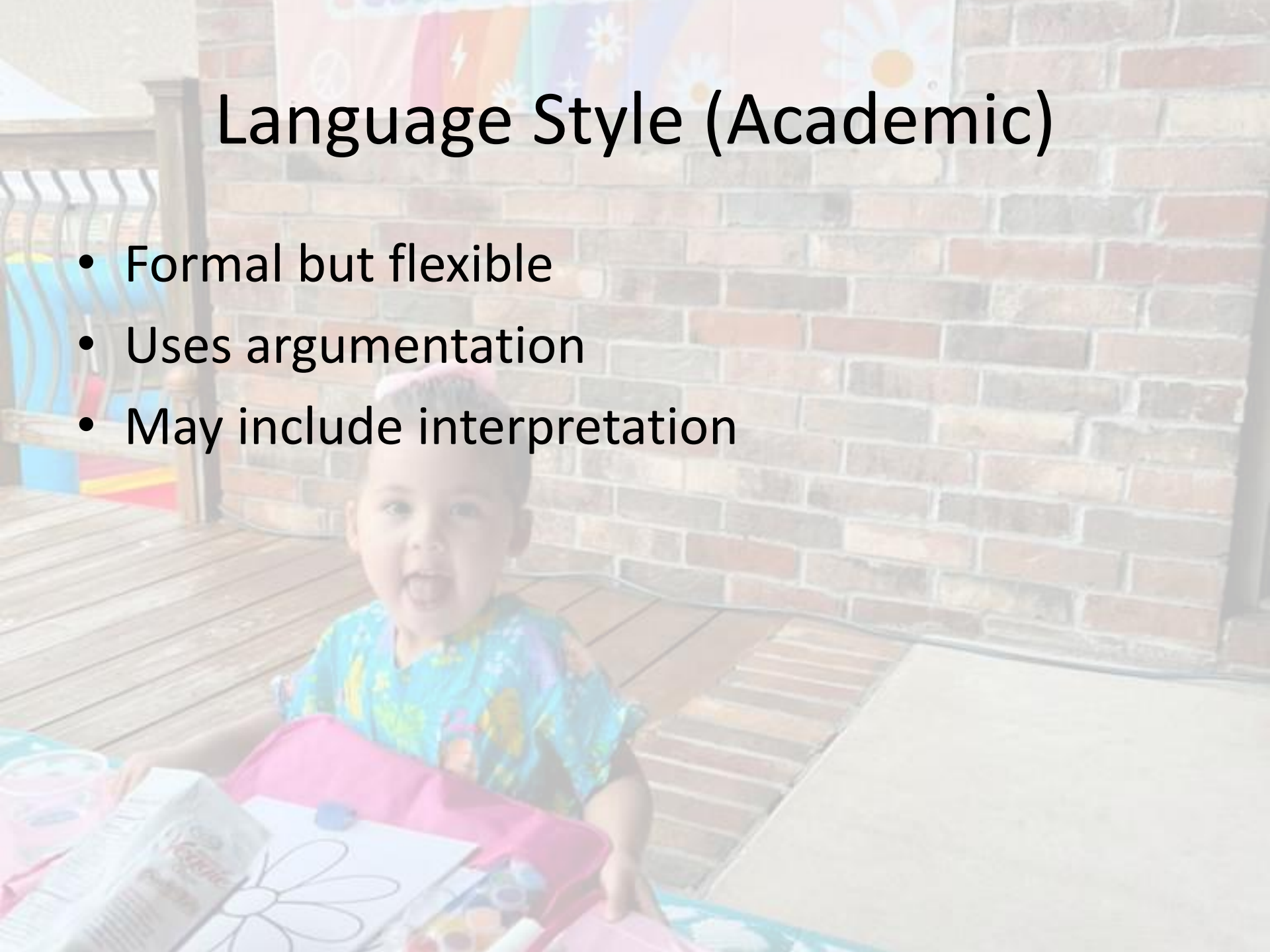
# Structure: Scientific Writing

- IMRAD: Intro, Methods, Results, Discussion



# Language Style (Academic)

- Formal but flexible
- Uses argumentation
- May include interpretation



# Language Style (Scientific)

- Very formal
- Precise and concise
- No personal opinion



# Use of Evidence (Academic)

- Books, journals
- Theoretical discussion



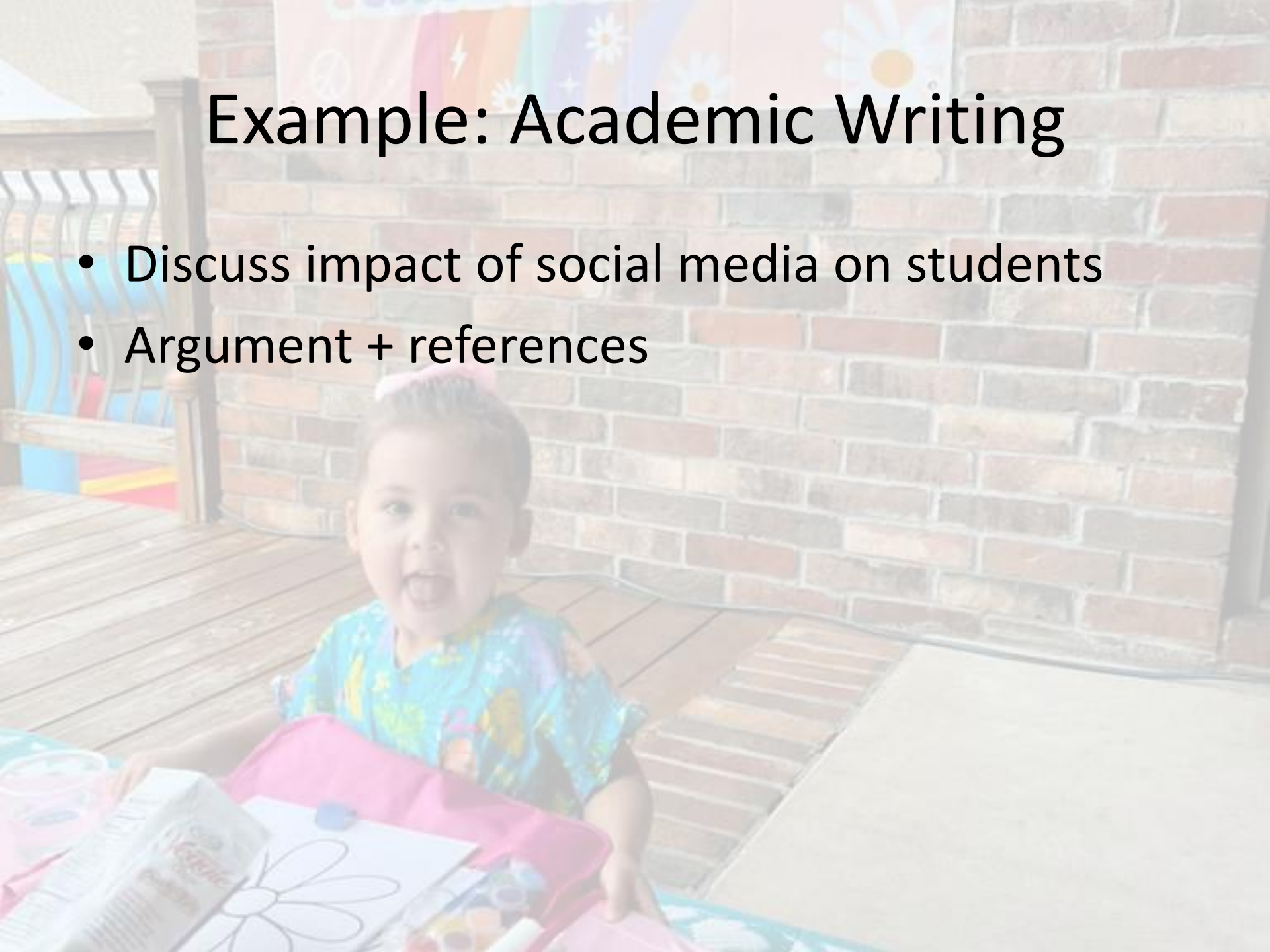
# Use of Evidence (Scientific)

- Experimental data
- Statistical results



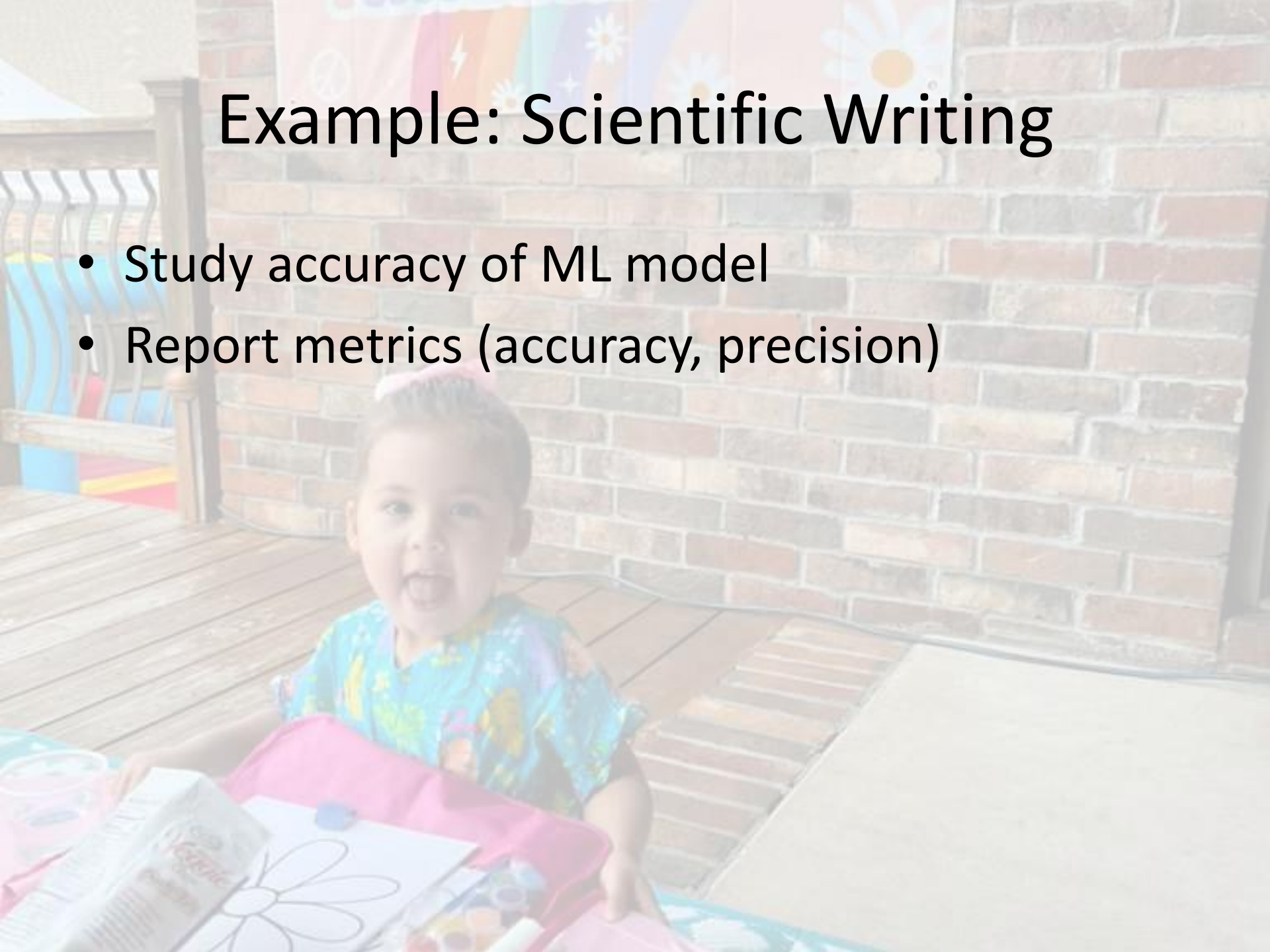
# Example: Academic Writing

- Discuss impact of social media on students
- Argument + references



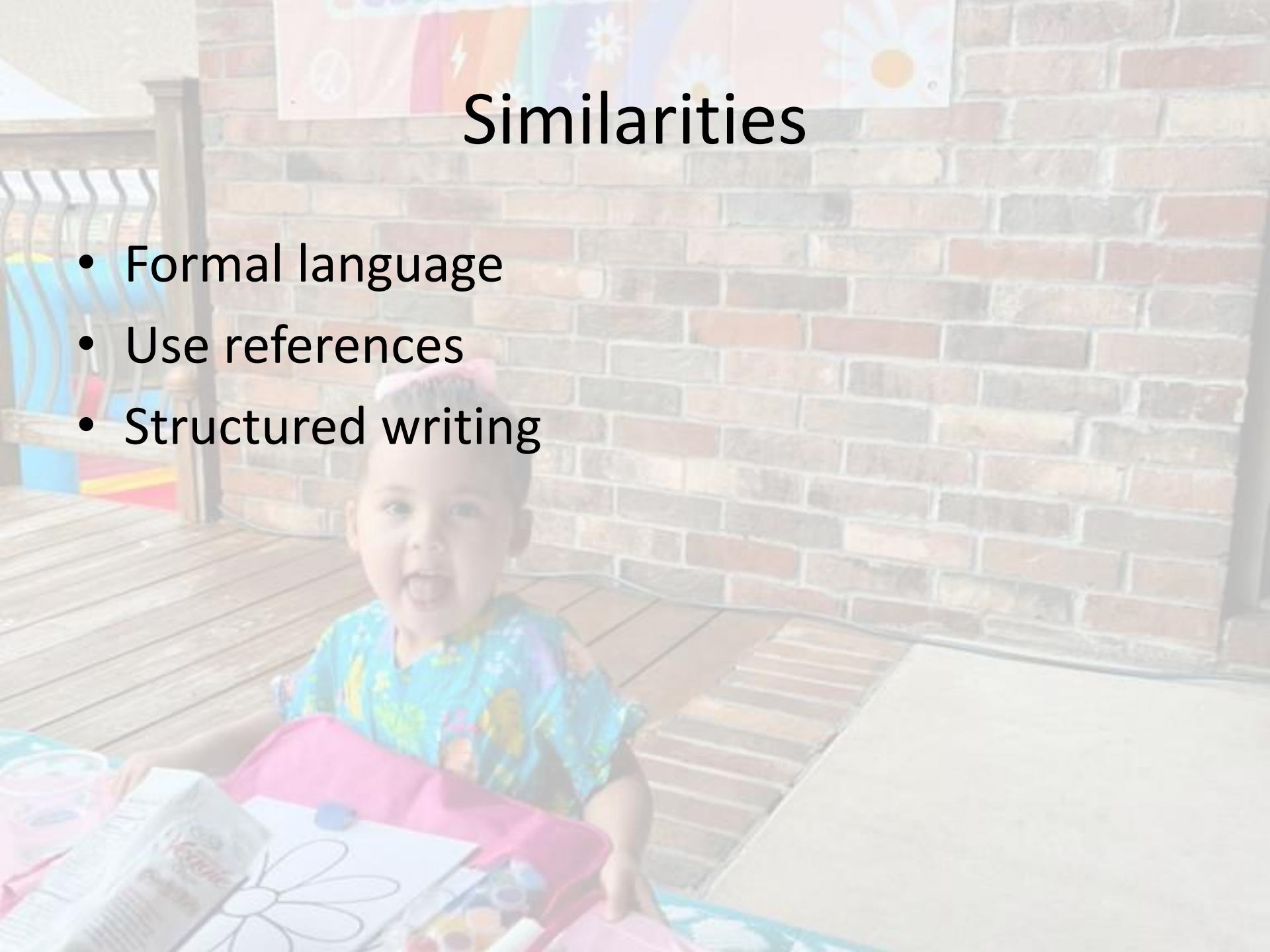
# Example: Scientific Writing

- Study accuracy of ML model
- Report metrics (accuracy, precision)



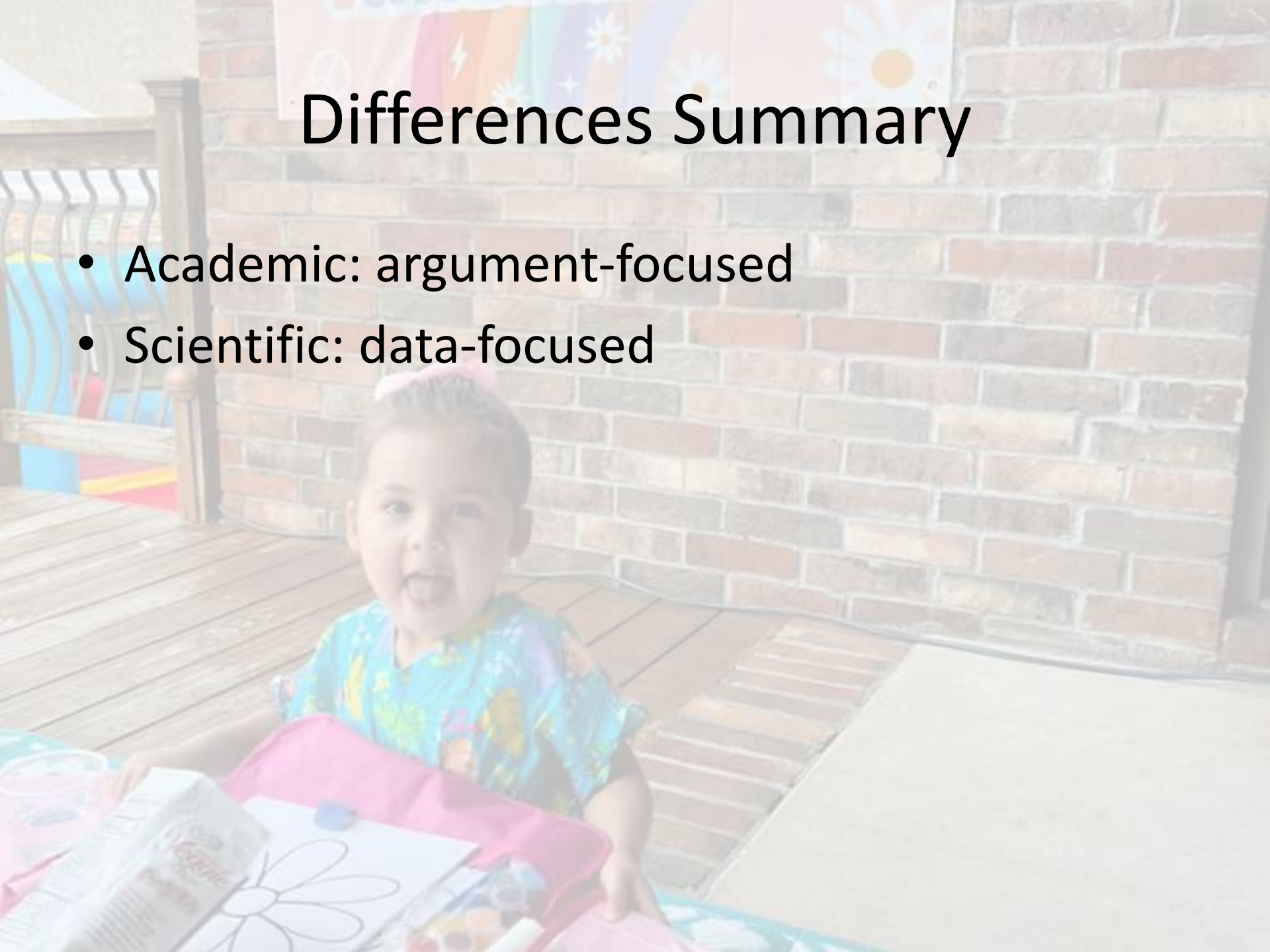
# Similarities

- Formal language
- Use references
- Structured writing



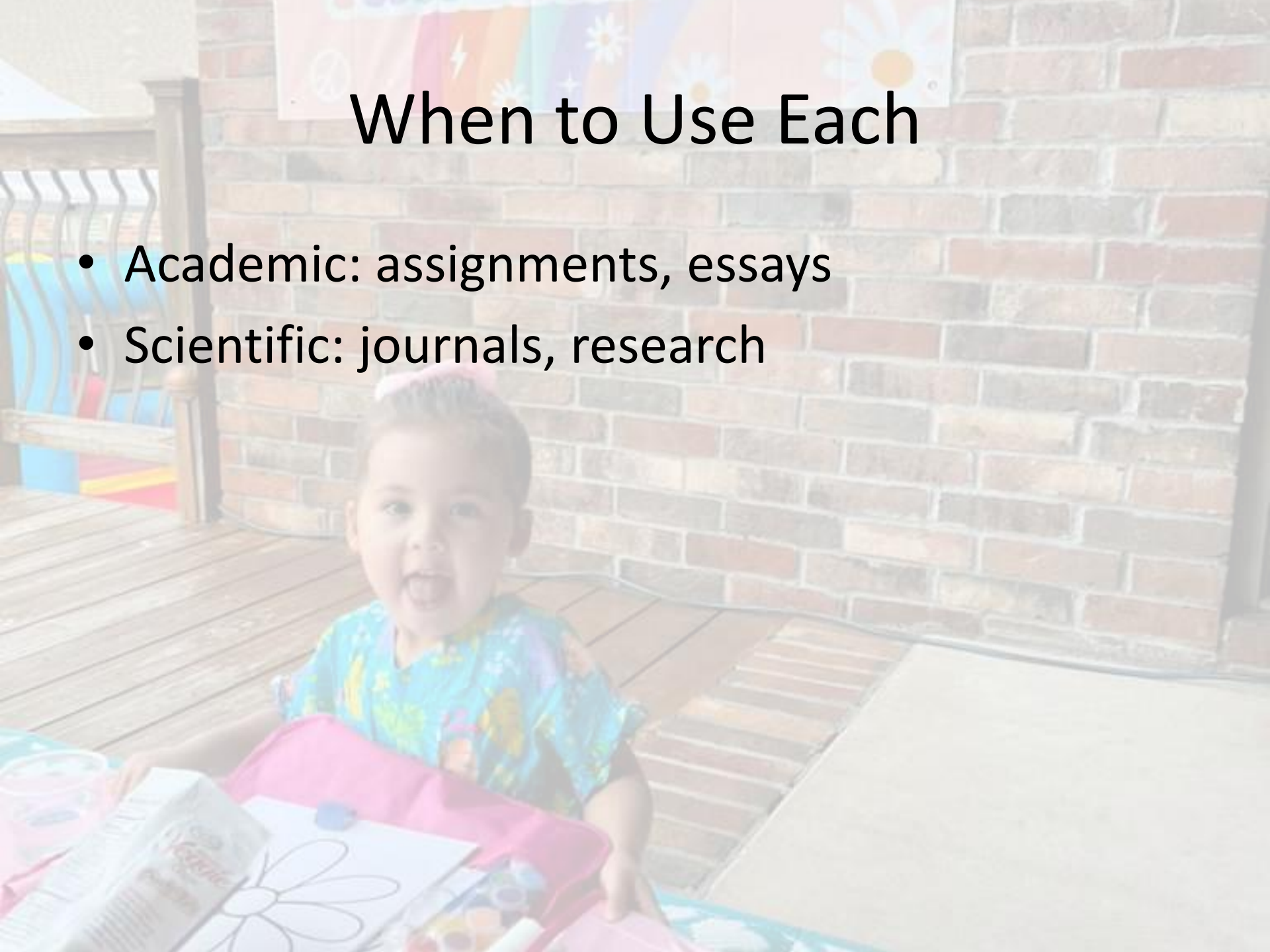
# Differences Summary

- Academic: argument-focused
- Scientific: data-focused



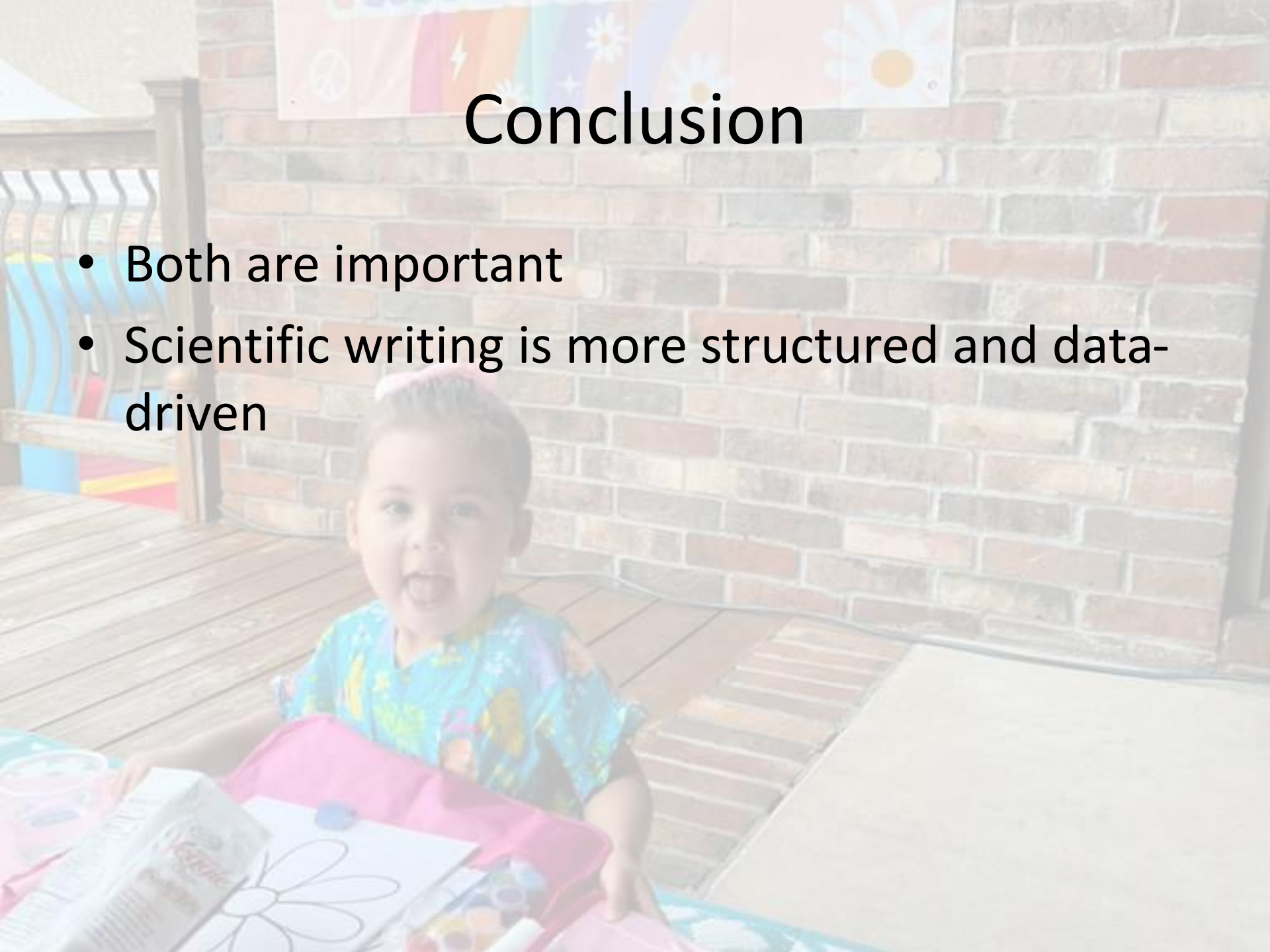
# When to Use Each

- Academic: assignments, essays
- Scientific: journals, research



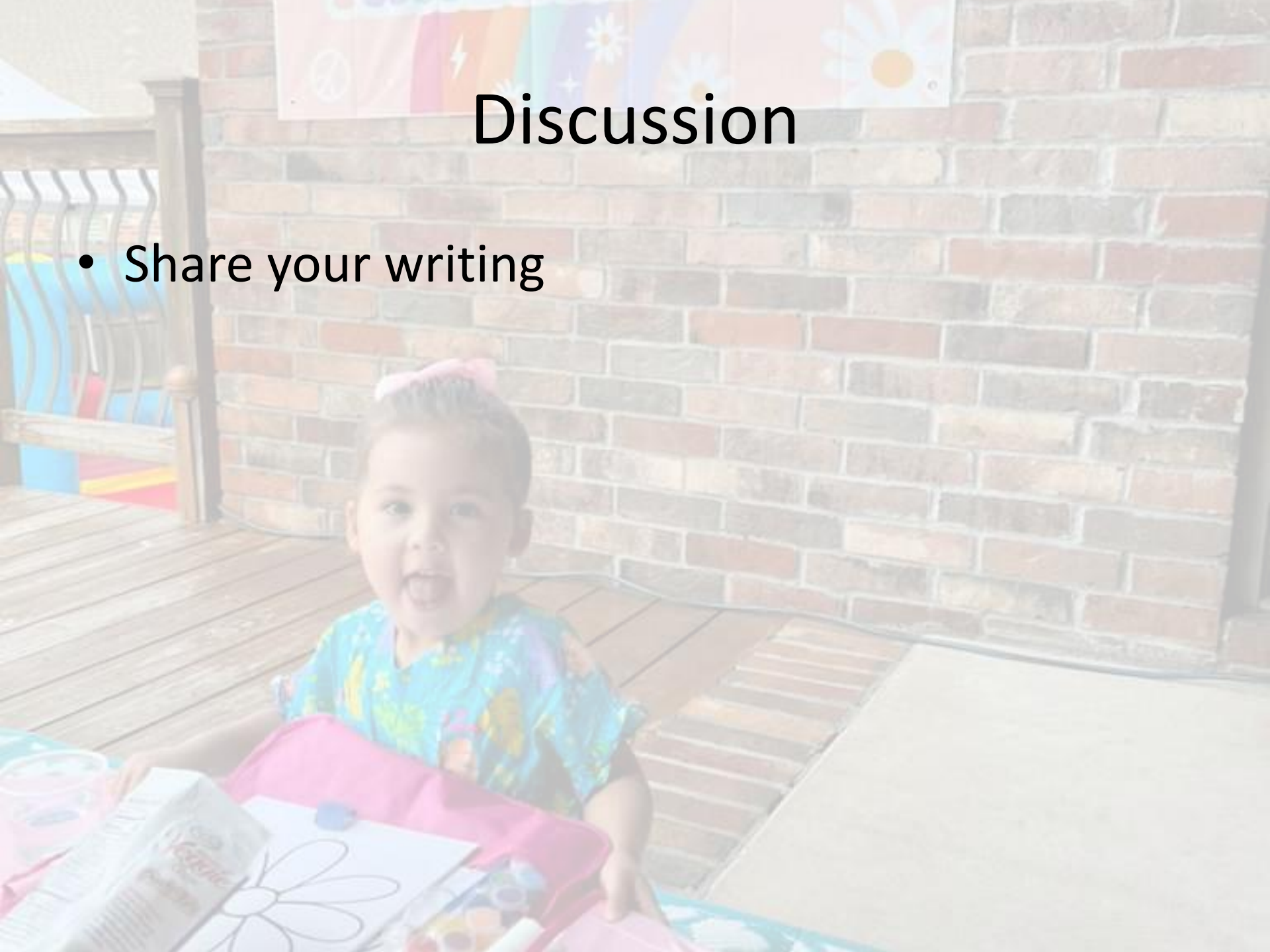
# Conclusion

- Both are important
- Scientific writing is more structured and data-driven



# Discussion

- Share your writing



# Conclusion

- Writing is essential skill

