A Minimal Bookdown Book

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Preface

This is the very first part of the book.

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Chapter 1

Introduction

This is the first real chapter.

Theorem 1.1 (FDR equals FWER under Global Null). Under the Global Null we have that FDR control is equivalent to FWER control

Proof. Under the global null (i.e. all null hypotheses are assumed to be true) we have that all rejections are false rejections.

So if V=0 then we have that FDP=0 else if V>0 we have that FDP=1. So we have that:

$$\mathbb{E}(FDP) = 0 * \mathbb{P}(V = 0) + (1) * \mathbb{P}(V \ge 1)$$

Chapter 2

Diving In

Now let's talk details.