Basic Summary Example

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1 Boxes

1.1 Basic Boxes

This is a sentence.

A main box title

Some main box content

A main sub title

Some sub box content

1.2 Theorems etc.

Axiom 1.1: Existence of boxes

These boxes exist.

Definition 1.1: Spaced equation

This is a well spaced multiline equation. Compare this to this text.

$$\mathbb{P}[X = x] := 0.5 \cdot \text{Coinflip}$$
$$\mathbb{E}[X] = 259.58$$

There's also text after it.

Corollary 1.1: Maths

Let $a \in \mathbb{R}$, $b \in \mathbb{R}$.

$$a \geq b \Rightarrow a - b \geq 0$$

Here's some text after the equation.

Lemma 1.6: Numbering lemma

You can set the counter, so that the lemma will have a certain number.

Satz 1.1: Pythagoras

A quadrat plus bee quadrat = sea quadrat.

Theorem 1.1: Misnomer corollary

Theorems are never theorems and lemmas are never lemmas.

1.3 Counting

Axiom 1.2: Counting

Latex can count from 1.1 to 1.2.

2 References

Corollary 2.1: References

You can reference stuff. E.g. definition **??** with the title **??**.