

Econometrics I

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Abstract

This is a note template, with a simplified structure. Feel free to adjust for your usage.
Now let's start a simple demo for you to take fancy notes in L^AT_EX!

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First Chapter

1.1 Useful Environment

We now see some common environment you'll need to complete your note.

Definition 1.1.1 (Natural number). We denote the set of *natural numbers* as \mathbb{N} .

Lemma 1.1.1 (Useful lemma). Given the axioms of natural numbers \mathbb{N} , we have

$$0 \neq 1.$$

An obvious proof. Obvious. ■

Proposition 1.1.1 (Useful proposition). From ??, we have

$$0 < 1.$$

Exercise. Prove that $1 < 2$.

Answer. We note the following.

Note. We have ??! We can use it iteratively!

With the help of ??, this holds trivially. *

Example. We now can have $a < b$ for $a < b$!

Proof. Iteratively apply the exercise we did above. *

Remark. We see that ?? is really powerful. We now give an immediate application of it.

Theorem 1.1.1 (Mass-energy equivalence). Given ??, we then have

$$E = mc^2.$$

Proof. The blank left for me is too small,^a hence we put the proof in ??. ■

^ahttps://en.wikipedia.org/wiki/Richard_Feynman

Chapter 2

Second Chapter

Appendix