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Chapter 1

Introduction

This is the first chapter. In it I can reference a figure (1.1). I can also create a subsection and reference a table.

Figure 1.1. This is a picture of a cat.

1.0.1   I am a subsection

I can put in a float barrier to make sure that Table 1.1 appears in this subsection and does not migrate above.

Table 1.1. Index of fruit belonging to people.

Name	Apples	Oranges	Peaches
Mike	10	34	2
John	2	23	32
Paul	4	45	34
Sam	34	3	23

This is where the explanation of the table goes.

You can add math as well:

$$ax + by = c. \tag{1.1}$$

This can be done in whatever way you would normally add mathematic symbols.