



my report

subtitle



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## 1. Quotations

There are several ways to include quotations in your document.

### 1.1 callout blocks

#### 1.1.1 default

Note

Note that there are five types of callouts, including: note, warning, important, tip, and caution.

#### 1.1.2 custom

By using the fenced-div syntax, quotes can be easily embedded in the text. This allows rendering to HTML and PDF with the same syntax. The following examples show the various possibilities.

##### 1.1.2.1 without title

```
::: {.my-callout}
```

By using the fenced-div syntax, quotes can be easily embedded in the text. This

- ↪ allows rendering to HTML and PDF with the same syntax. The following
- ↪ examples show the various possibilities.

By using the fenced-div syntax, quotes can be easily embedded in the text. This allows rendering to HTML and PDF with the same syntax. The following examples show the various possibilities.

##### 1.1.2.2 with title

```
::: {.my-callout title="Custom Title"}
```

By using the fenced-div syntax, quotes can be easily embedded in the text. This

- ↪ allows rendering to HTML and PDF with the same syntax. The following
- ↪ examples show the various possibilities.

```
:::
```



### Custom Title

By using the fenced-div syntax, quotes can be easily embedded in the text. This allows rendering to HTML and PDF with the same syntax. The following examples show the various possibilities.

## 1.2 colorbox

Using the latex package tcolorbox, you can include quotations in a colored box. This only works in PDF renders so far and isnt included in the HTML.

"The only limit to our realization of tomorrow is our doubts of today."

- Franklin D. Roosevelt



## 2. Abbreviations

A Central Processing Unit (CPU) is the brain of a computer. The CPU is responsible for executing a sequence of stored instructions called a program.





### 3. Introduction

Welcome to our Quarto book project. This chapter focuses on basic text formatting, including headings, subheadings, and paragraphs.

#### 3.1 Subheading Example

Here's a look at simple text formatting in a Quarto document. This includes:

- **Bold text** for emphasis
- *Italicized text* for titles or key terms
- `Inline code` for highlighting code snippets within text



## 4. Mathematical Content and Formulas

This section includes an inline formula:  $e^{i\pi} + 1 = 0$  which demonstrates an important identity in mathematics.

**Displayed formula:**

$$e^{i\pi} + 1 = 0$$



## 5. Scientific Units and Special Characters

This chapter demonstrates the use of scientific units and special characters:

- Water boils at 100 °C.
- The symbol for micro is  $\mu$ .
- The German letter  $\beta$  is used in “straße,” meaning street.



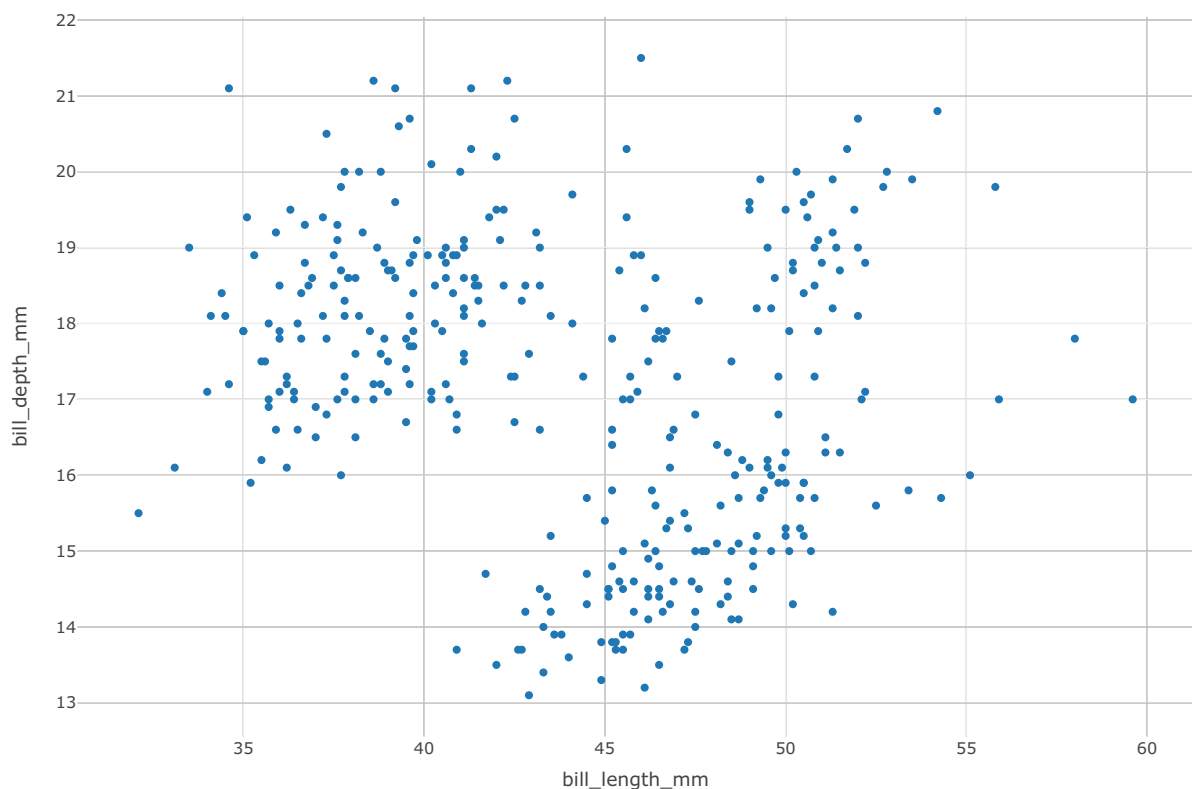
## 6. Interactive Content with Widgets

We use R packages like `plotly` and `leaflet` to create interactive content.

### 6.1 Plotly Graph

```
library(plotly)
library(palmerpenguins)
data(penguins, package = "palmerpenguins")

plot_ly(data = penguins, x = ~bill_length_mm, y = ~bill_depth_mm, type =
  ↪ 'scatter', mode = 'markers')
```



**Figure 6.1.:** Scatter plot of bill length vs. bill depth in penguins.

Figure 6.1 shows a scatter plot of bill length vs. bill depth in penguins. You can hover over the points to see the data values. It is created using the `plotly` package.

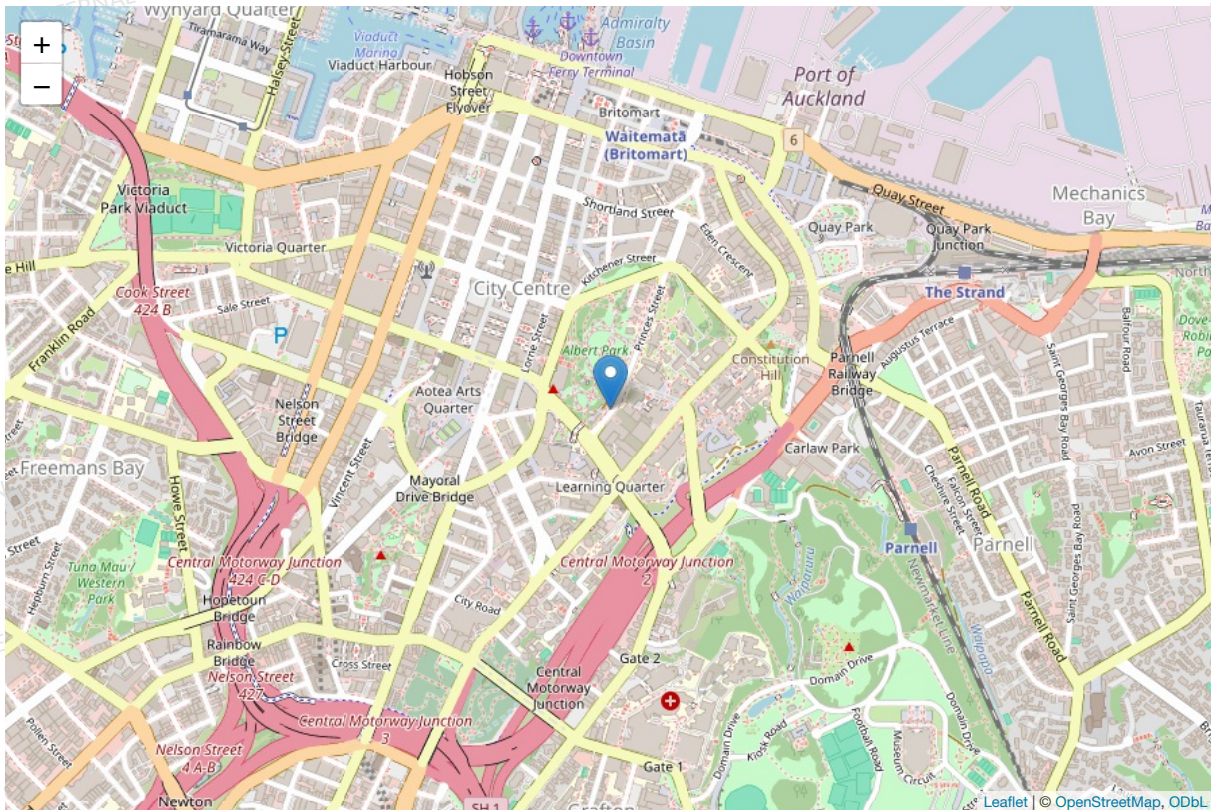


Figure 6.2.: Map showing a sample location. Note: Interactive features do not display in PDF.

## 6.2 Leaflet Map

Figure 6.2 shows a sample map with a marker at Auckland, New Zealand. It is created using the `leaflet` package. Note that interactive features do not display in PDF.





## 7. Tables in Various Formats

We will create tables using Markdown, coded tibbles, and gt tables using the Palmer Penguins data.

### 7.1 Markdown Table

**Table 7.1.:** *Penguin species and their bill lengths recorded on different islands.*

Species	Island	Bill Length (mm)
Adelie	Torgersen	39.1
Chinstrap	Dream	46.5
Gentoo	Biscoe	50.0

### 7.2 Coded Tables with gt

**Table 7.2.:** *Table showing the first few entries of penguin species data.*

species	island	bill_length_mm
Adelie	Torgersen	39.1
Adelie	Torgersen	39.5
Adelie	Torgersen	40.3
Adelie	Torgersen	NA
Adelie	Torgersen	36.7
Adelie	Torgersen	39.3

### 7.3 GT Tables (interactive)

**Table 7.3.:** *A selection of measurements from the Palmer Penguins dataset.*

species	island	bill_length_mm	bill_depth_mm
Adelie	Torgersen	39.1	18.7
Adelie	Torgersen	39.5	17.4
Adelie	Torgersen	40.3	18.0
Adelie	Torgersen	NA	NA
Adelie	Torgersen	36.7	19.3
Adelie	Torgersen	39.3	20.6



## 7.4 really long tables

**Table 7.4.:** A long table with many columns.

Penguin Measurements		Bill Measurements		Body Measurements	
species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g
Adelie	Torgersen	39.1	18.7	181	3750
Adelie	Torgersen	39.5	17.4	186	3800
Adelie	Torgersen	40.3	18.0	195	3250
Adelie	Torgersen	NA	NA	NA	NA
Adelie	Torgersen	36.7	19.3	193	3450
Adelie	Torgersen	39.3	20.6	190	3650
Adelie	Torgersen	38.9	17.8	181	3625
Adelie	Torgersen	39.2	19.6	195	4675
Adelie	Torgersen	34.1	18.1	193	3475
Adelie	Torgersen	42.0	20.2	190	4250
Adelie	Torgersen	37.8	17.1	186	3300
Adelie	Torgersen	37.8	17.3	180	3700
Adelie	Torgersen	41.1	17.6	182	3200
Adelie	Torgersen	38.6	21.2	191	3800
Adelie	Torgersen	34.6	21.1	198	4400
Adelie	Torgersen	36.6	17.8	185	3700
Adelie	Torgersen	38.7	19.0	195	3450
Adelie	Torgersen	42.5	20.7	197	4500
Adelie	Torgersen	34.4	18.4	184	3325
Adelie	Torgersen	46.0	21.5	194	4200
Adelie	Biscoe	37.8	18.3	174	3400
Adelie	Biscoe	37.7	18.7	180	3600
Adelie	Biscoe	35.9	19.2	189	3800
Adelie	Biscoe	38.2	18.1	185	3950
Adelie	Biscoe	38.8	17.2	180	3800
Adelie	Biscoe	35.3	18.9	187	3800
Adelie	Biscoe	40.6	18.6	183	3550
Adelie	Biscoe	40.5	17.9	187	3200
Adelie	Biscoe	37.9	18.6	172	3150
Adelie	Biscoe	40.5	18.9	180	3950
Adelie	Dream	39.5	16.7	178	3250
Adelie	Dream	37.2	18.1	178	3900
Adelie	Dream	39.5	17.8	188	3300



Adelie	Dream	40.9	18.9	184	3900
Adelie	Dream	36.4	17.0	195	3325
Adelie	Dream	39.2	21.1	196	4150
Adelie	Dream	38.8	20.0	190	3950
Adelie	Dream	42.2	18.5	180	3550
Adelie	Dream	37.6	19.3	181	3300
Adelie	Dream	39.8	19.1	184	4650
Adelie	Dream	36.5	18.0	182	3150
Adelie	Dream	40.8	18.4	195	3900
Adelie	Dream	36.0	18.5	186	3100
Adelie	Dream	44.1	19.7	196	4400
Adelie	Dream	37.0	16.9	185	3000
Adelie	Dream	39.6	18.8	190	4600
Adelie	Dream	41.1	19.0	182	3425
Adelie	Dream	37.5	18.9	179	2975
Adelie	Dream	36.0	17.9	190	3450
Adelie	Dream	42.3	21.2	191	4150
Adelie	Biscoe	39.6	17.7	186	3500
Adelie	Biscoe	40.1	18.9	188	4300
Adelie	Biscoe	35.0	17.9	190	3450
Adelie	Biscoe	42.0	19.5	200	4050
Adelie	Biscoe	34.5	18.1	187	2900
Adelie	Biscoe	41.4	18.6	191	3700
Adelie	Biscoe	39.0	17.5	186	3550
Adelie	Biscoe	40.6	18.8	193	3800
Adelie	Biscoe	36.5	16.6	181	2850
Adelie	Biscoe	37.6	19.1	194	3750
Adelie	Biscoe	35.7	16.9	185	3150
Adelie	Biscoe	41.3	21.1	195	4400
Adelie	Biscoe	37.6	17.0	185	3600
Adelie	Biscoe	41.1	18.2	192	4050
Adelie	Biscoe	36.4	17.1	184	2850
Adelie	Biscoe	41.6	18.0	192	3950
Adelie	Biscoe	35.5	16.2	195	3350
Adelie	Biscoe	41.1	19.1	188	4100
Adelie	Torgersen	35.9	16.6	190	3050
Adelie	Torgersen	41.8	19.4	198	4450
Adelie	Torgersen	33.5	19.0	190	3600
Adelie	Torgersen	39.7	18.4	190	3900
Adelie	Torgersen	39.6	17.2	196	3550





Adelie	Torgersen	45.8	18.9	197	4150
Adelie	Torgersen	35.5	17.5	190	3700
Adelie	Torgersen	42.8	18.5	195	4250
Adelie	Torgersen	40.9	16.8	191	3700
Adelie	Torgersen	37.2	19.4	184	3900
Adelie	Torgersen	36.2	16.1	187	3550
Adelie	Torgersen	42.1	19.1	195	4000
Adelie	Torgersen	34.6	17.2	189	3200
Adelie	Torgersen	42.9	17.6	196	4700
Adelie	Torgersen	36.7	18.8	187	3800
Adelie	Torgersen	35.1	19.4	193	4200
Adelie	Dream	37.3	17.8	191	3350
Adelie	Dream	41.3	20.3	194	3550
Adelie	Dream	36.3	19.5	190	3800
Adelie	Dream	36.9	18.6	189	3500
Adelie	Dream	38.3	19.2	189	3950
Adelie	Dream	38.9	18.8	190	3600
Adelie	Dream	35.7	18.0	202	3550
Adelie	Dream	41.1	18.1	205	4300
Adelie	Dream	34.0	17.1	185	3400
Adelie	Dream	39.6	18.1	186	4450
Adelie	Dream	36.2	17.3	187	3300
Adelie	Dream	40.8	18.9	208	4300
Adelie	Dream	38.1	18.6	190	3700
Adelie	Dream	40.3	18.5	196	4350
Adelie	Dream	33.1	16.1	178	2900
Adelie	Dream	43.2	18.5	192	4100
Adelie	Biscoe	35.0	17.9	192	3725
Adelie	Biscoe	41.0	20.0	203	4725
Adelie	Biscoe	37.7	16.0	183	3075
Adelie	Biscoe	37.8	20.0	190	4250
Adelie	Biscoe	37.9	18.6	193	2925
Adelie	Biscoe	39.7	18.9	184	3550
Adelie	Biscoe	38.6	17.2	199	3750
Adelie	Biscoe	38.2	20.0	190	3900
Adelie	Biscoe	38.1	17.0	181	3175
Adelie	Biscoe	43.2	19.0	197	4775
Adelie	Biscoe	38.1	16.5	198	3825
Adelie	Biscoe	45.6	20.3	191	4600
Adelie	Biscoe	39.7	17.7	193	3200



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Adelie	Biscoe	42.2	19.5	197	4275
Adelie	Biscoe	39.6	20.7	191	3900
Adelie	Biscoe	42.7	18.3	196	4075
Adelie	Torgersen	38.6	17.0	188	2900
Adelie	Torgersen	37.3	20.5	199	3775
Adelie	Torgersen	35.7	17.0	189	3350
Adelie	Torgersen	41.1	18.6	189	3325
Adelie	Torgersen	36.2	17.2	187	3150
Adelie	Torgersen	37.7	19.8	198	3500
Adelie	Torgersen	40.2	17.0	176	3450
Adelie	Torgersen	41.4	18.5	202	3875
Adelie	Torgersen	35.2	15.9	186	3050
Adelie	Torgersen	40.6	19.0	199	4000
Adelie	Torgersen	38.8	17.6	191	3275
Adelie	Torgersen	41.5	18.3	195	4300
Adelie	Torgersen	39.0	17.1	191	3050
Adelie	Torgersen	44.1	18.0	210	4000
Adelie	Torgersen	38.5	17.9	190	3325
Adelie	Torgersen	43.1	19.2	197	3500
Adelie	Dream	36.8	18.5	193	3500
Adelie	Dream	37.5	18.5	199	4475
Adelie	Dream	38.1	17.6	187	3425
Adelie	Dream	41.1	17.5	190	3900
Adelie	Dream	35.6	17.5	191	3175
Adelie	Dream	40.2	20.1	200	3975
Adelie	Dream	37.0	16.5	185	3400
Adelie	Dream	39.7	17.9	193	4250
Adelie	Dream	40.2	17.1	193	3400
Adelie	Dream	40.6	17.2	187	3475
Adelie	Dream	32.1	15.5	188	3050
Adelie	Dream	40.7	17.0	190	3725
Adelie	Dream	37.3	16.8	192	3000
Adelie	Dream	39.0	18.7	185	3650
Adelie	Dream	39.2	18.6	190	4250
Adelie	Dream	36.6	18.4	184	3475
Adelie	Dream	36.0	17.8	195	3450
Adelie	Dream	37.8	18.1	193	3750
Adelie	Dream	36.0	17.1	187	3700
Adelie	Dream	41.5	18.5	201	4000
Gentoo	Biscoe	46.1	13.2	211	4500



Gentoo	Biscoe	50.0	16.3	230	5700
Gentoo	Biscoe	48.7	14.1	210	4450
Gentoo	Biscoe	50.0	15.2	218	5700
Gentoo	Biscoe	47.6	14.5	215	5400
Gentoo	Biscoe	46.5	13.5	210	4550
Gentoo	Biscoe	45.4	14.6	211	4800
Gentoo	Biscoe	46.7	15.3	219	5200
Gentoo	Biscoe	43.3	13.4	209	4400
Gentoo	Biscoe	46.8	15.4	215	5150
Gentoo	Biscoe	40.9	13.7	214	4650
Gentoo	Biscoe	49.0	16.1	216	5550
Gentoo	Biscoe	45.5	13.7	214	4650
Gentoo	Biscoe	48.4	14.6	213	5850
Gentoo	Biscoe	45.8	14.6	210	4200
Gentoo	Biscoe	49.3	15.7	217	5850
Gentoo	Biscoe	42.0	13.5	210	4150
Gentoo	Biscoe	49.2	15.2	221	6300
Gentoo	Biscoe	46.2	14.5	209	4800
Gentoo	Biscoe	48.7	15.1	222	5350
Gentoo	Biscoe	50.2	14.3	218	5700
Gentoo	Biscoe	45.1	14.5	215	5000
Gentoo	Biscoe	46.5	14.5	213	4400
Gentoo	Biscoe	46.3	15.8	215	5050
Gentoo	Biscoe	42.9	13.1	215	5000
Gentoo	Biscoe	46.1	15.1	215	5100
Gentoo	Biscoe	44.5	14.3	216	4100
Gentoo	Biscoe	47.8	15.0	215	5650
Gentoo	Biscoe	48.2	14.3	210	4600
Gentoo	Biscoe	50.0	15.3	220	5550
Gentoo	Biscoe	47.3	15.3	222	5250
Gentoo	Biscoe	42.8	14.2	209	4700
Gentoo	Biscoe	45.1	14.5	207	5050
Gentoo	Biscoe	59.6	17.0	230	6050
Gentoo	Biscoe	49.1	14.8	220	5150
Gentoo	Biscoe	48.4	16.3	220	5400
Gentoo	Biscoe	42.6	13.7	213	4950
Gentoo	Biscoe	44.4	17.3	219	5250
Gentoo	Biscoe	44.0	13.6	208	4350
Gentoo	Biscoe	48.7	15.7	208	5350
Gentoo	Biscoe	42.7	13.7	208	3950



Gentoo	Biscoe	49.6	16.0	225	5700
Gentoo	Biscoe	45.3	13.7	210	4300
Gentoo	Biscoe	49.6	15.0	216	4750
Gentoo	Biscoe	50.5	15.9	222	5550
Gentoo	Biscoe	43.6	13.9	217	4900
Gentoo	Biscoe	45.5	13.9	210	4200
Gentoo	Biscoe	50.5	15.9	225	5400
Gentoo	Biscoe	44.9	13.3	213	5100
Gentoo	Biscoe	45.2	15.8	215	5300
Gentoo	Biscoe	46.6	14.2	210	4850
Gentoo	Biscoe	48.5	14.1	220	5300
Gentoo	Biscoe	45.1	14.4	210	4400
Gentoo	Biscoe	50.1	15.0	225	5000
Gentoo	Biscoe	46.5	14.4	217	4900
Gentoo	Biscoe	45.0	15.4	220	5050
Gentoo	Biscoe	43.8	13.9	208	4300
Gentoo	Biscoe	45.5	15.0	220	5000
Gentoo	Biscoe	43.2	14.5	208	4450
Gentoo	Biscoe	50.4	15.3	224	5550
Gentoo	Biscoe	45.3	13.8	208	4200
Gentoo	Biscoe	46.2	14.9	221	5300
Gentoo	Biscoe	45.7	13.9	214	4400
Gentoo	Biscoe	54.3	15.7	231	5650
Gentoo	Biscoe	45.8	14.2	219	4700
Gentoo	Biscoe	49.8	16.8	230	5700
Gentoo	Biscoe	46.2	14.4	214	4650
Gentoo	Biscoe	49.5	16.2	229	5800
Gentoo	Biscoe	43.5	14.2	220	4700
Gentoo	Biscoe	50.7	15.0	223	5550
Gentoo	Biscoe	47.7	15.0	216	4750
Gentoo	Biscoe	46.4	15.6	221	5000
Gentoo	Biscoe	48.2	15.6	221	5100
Gentoo	Biscoe	46.5	14.8	217	5200
Gentoo	Biscoe	46.4	15.0	216	4700
Gentoo	Biscoe	48.6	16.0	230	5800
Gentoo	Biscoe	47.5	14.2	209	4600
Gentoo	Biscoe	51.1	16.3	220	6000
Gentoo	Biscoe	45.2	13.8	215	4750
Gentoo	Biscoe	45.2	16.4	223	5950
Gentoo	Biscoe	49.1	14.5	212	4625



Gentoo	Biscoe	52.5	15.6	221	5450
Gentoo	Biscoe	47.4	14.6	212	4725
Gentoo	Biscoe	50.0	15.9	224	5350
Gentoo	Biscoe	44.9	13.8	212	4750
Gentoo	Biscoe	50.8	17.3	228	5600
Gentoo	Biscoe	43.4	14.4	218	4600
Gentoo	Biscoe	51.3	14.2	218	5300
Gentoo	Biscoe	47.5	14.0	212	4875
Gentoo	Biscoe	52.1	17.0	230	5550
Gentoo	Biscoe	47.5	15.0	218	4950
Gentoo	Biscoe	52.2	17.1	228	5400
Gentoo	Biscoe	45.5	14.5	212	4750
Gentoo	Biscoe	49.5	16.1	224	5650
Gentoo	Biscoe	44.5	14.7	214	4850
Gentoo	Biscoe	50.8	15.7	226	5200
Gentoo	Biscoe	49.4	15.8	216	4925
Gentoo	Biscoe	46.9	14.6	222	4875
Gentoo	Biscoe	48.4	14.4	203	4625
Gentoo	Biscoe	51.1	16.5	225	5250
Gentoo	Biscoe	48.5	15.0	219	4850
Gentoo	Biscoe	55.9	17.0	228	5600
Gentoo	Biscoe	47.2	15.5	215	4975
Gentoo	Biscoe	49.1	15.0	228	5500
Gentoo	Biscoe	47.3	13.8	216	4725
Gentoo	Biscoe	46.8	16.1	215	5500
Gentoo	Biscoe	41.7	14.7	210	4700
Gentoo	Biscoe	53.4	15.8	219	5500
Gentoo	Biscoe	43.3	14.0	208	4575
Gentoo	Biscoe	48.1	15.1	209	5500
Gentoo	Biscoe	50.5	15.2	216	5000
Gentoo	Biscoe	49.8	15.9	229	5950
Gentoo	Biscoe	43.5	15.2	213	4650
Gentoo	Biscoe	51.5	16.3	230	5500
Gentoo	Biscoe	46.2	14.1	217	4375
Gentoo	Biscoe	55.1	16.0	230	5850
Gentoo	Biscoe	44.5	15.7	217	4875
Gentoo	Biscoe	48.8	16.2	222	6000
Gentoo	Biscoe	47.2	13.7	214	4925
Gentoo	Biscoe	NA	NA	NA	NA
Gentoo	Biscoe	46.8	14.3	215	4850



Gentoo	Biscoe	50.4	15.7	222	5750
Gentoo	Biscoe	45.2	14.8	212	5200
Gentoo	Biscoe	49.9	16.1	213	5400
Chinstrap	Dream	46.5	17.9	192	3500
Chinstrap	Dream	50.0	19.5	196	3900
Chinstrap	Dream	51.3	19.2	193	3650
Chinstrap	Dream	45.4	18.7	188	3525
Chinstrap	Dream	52.7	19.8	197	3725
Chinstrap	Dream	45.2	17.8	198	3950
Chinstrap	Dream	46.1	18.2	178	3250
Chinstrap	Dream	51.3	18.2	197	3750
Chinstrap	Dream	46.0	18.9	195	4150
Chinstrap	Dream	51.3	19.9	198	3700
Chinstrap	Dream	46.6	17.8	193	3800
Chinstrap	Dream	51.7	20.3	194	3775
Chinstrap	Dream	47.0	17.3	185	3700
Chinstrap	Dream	52.0	18.1	201	4050
Chinstrap	Dream	45.9	17.1	190	3575
Chinstrap	Dream	50.5	19.6	201	4050
Chinstrap	Dream	50.3	20.0	197	3300
Chinstrap	Dream	58.0	17.8	181	3700
Chinstrap	Dream	46.4	18.6	190	3450
Chinstrap	Dream	49.2	18.2	195	4400
Chinstrap	Dream	42.4	17.3	181	3600
Chinstrap	Dream	48.5	17.5	191	3400
Chinstrap	Dream	43.2	16.6	187	2900
Chinstrap	Dream	50.6	19.4	193	3800
Chinstrap	Dream	46.7	17.9	195	3300
Chinstrap	Dream	52.0	19.0	197	4150
Chinstrap	Dream	50.5	18.4	200	3400
Chinstrap	Dream	49.5	19.0	200	3800
Chinstrap	Dream	46.4	17.8	191	3700
Chinstrap	Dream	52.8	20.0	205	4550
Chinstrap	Dream	40.9	16.6	187	3200
Chinstrap	Dream	54.2	20.8	201	4300
Chinstrap	Dream	42.5	16.7	187	3350
Chinstrap	Dream	51.0	18.8	203	4100
Chinstrap	Dream	49.7	18.6	195	3600
Chinstrap	Dream	47.5	16.8	199	3900
Chinstrap	Dream	47.6	18.3	195	3850





Chinstrap	Dream	52.0	20.7	210	4800
Chinstrap	Dream	46.9	16.6	192	2700
Chinstrap	Dream	53.5	19.9	205	4500
Chinstrap	Dream	49.0	19.5	210	3950
Chinstrap	Dream	46.2	17.5	187	3650
Chinstrap	Dream	50.9	19.1	196	3550
Chinstrap	Dream	45.5	17.0	196	3500
Chinstrap	Dream	50.9	17.9	196	3675
Chinstrap	Dream	50.8	18.5	201	4450
Chinstrap	Dream	50.1	17.9	190	3400
Chinstrap	Dream	49.0	19.6	212	4300
Chinstrap	Dream	51.5	18.7	187	3250
Chinstrap	Dream	49.8	17.3	198	3675
Chinstrap	Dream	48.1	16.4	199	3325
Chinstrap	Dream	51.4	19.0	201	3950
Chinstrap	Dream	45.7	17.3	193	3600
Chinstrap	Dream	50.7	19.7	203	4050
Chinstrap	Dream	42.5	17.3	187	3350
Chinstrap	Dream	52.2	18.8	197	3450
Chinstrap	Dream	45.2	16.6	191	3250
Chinstrap	Dream	49.3	19.9	203	4050
Chinstrap	Dream	50.2	18.8	202	3800
Chinstrap	Dream	45.6	19.4	194	3525
Chinstrap	Dream	51.9	19.5	206	3950
Chinstrap	Dream	46.8	16.5	189	3650
Chinstrap	Dream	45.7	17.0	195	3650
Chinstrap	Dream	55.8	19.8	207	4000
Chinstrap	Dream	43.5	18.1	202	3400
Chinstrap	Dream	49.6	18.2	193	3775
Chinstrap	Dream	50.8	19.0	210	4100
Chinstrap	Dream	50.2	18.7	198	3775



## Glossary

**AI** Artificial Intelligence

**API** Application Programming Interface

**CPU** Central Processing Unit

**DNS** Domain Name System

**HTTP** Hypertext Transfer Protocol

**IoT** Internet of Things

**LAN** Local Area Network

**RAM** Random Access Memory

**SQL** Structured Query Language

**SSD** Solid State Drive

**URL** Uniform Resource Locator

**VPN** Virtual Private Network







## A. Appendix

Using the command `\settocdepth{chapter}` in the document, the table of contents will only show chapters. This command carries to the following documents.

### A.1 Appendix A: Theoretical Background

### A.2 Appendix B: Experimental Details