

TITLE

SUBTITLE

*by*

*Name*

TBD

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# Chapter 1

## Chapter

### 1.1 Section

#### 1.1.1 Subsection

##### Subsubsection

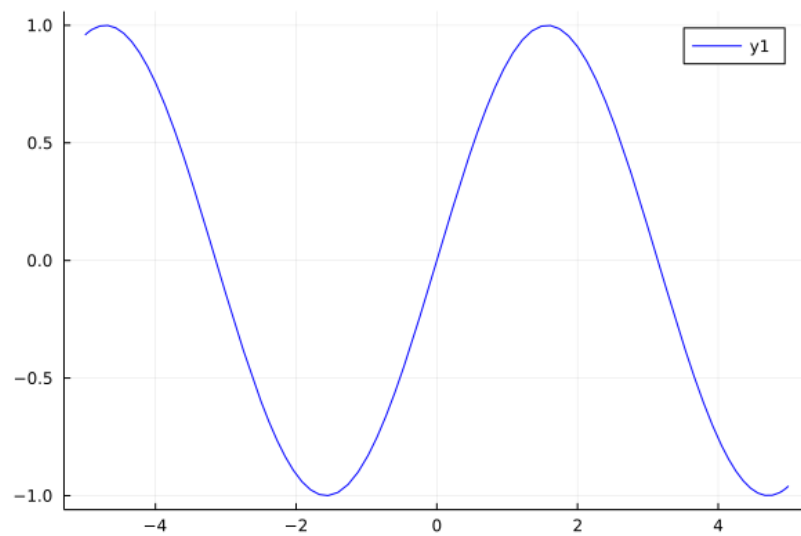
My text here with *italics*, with **bold**, and a [link](#). Adding some math expression here with  $x = 10$  and

$$d(\omega(t_0), \omega(t_1)) \leq \int_{t_0}^{t_1} g(s) ds.$$

Adding some code like `plots`. Note that the `using plots`

```
1 using PlutoUI
```

```
1 begin
2     using Plots
3     ENV["GKSwstype"] = "100"
4     y(x) = sin(x)
5     Plots.plot(y,
6         color=:blue)
7 end
```



```
1 A = [10,10,10]
```

```
3-element Vector{Int64}:  
 10  
 10  
 10
```

```
1 x = rand(10);
```

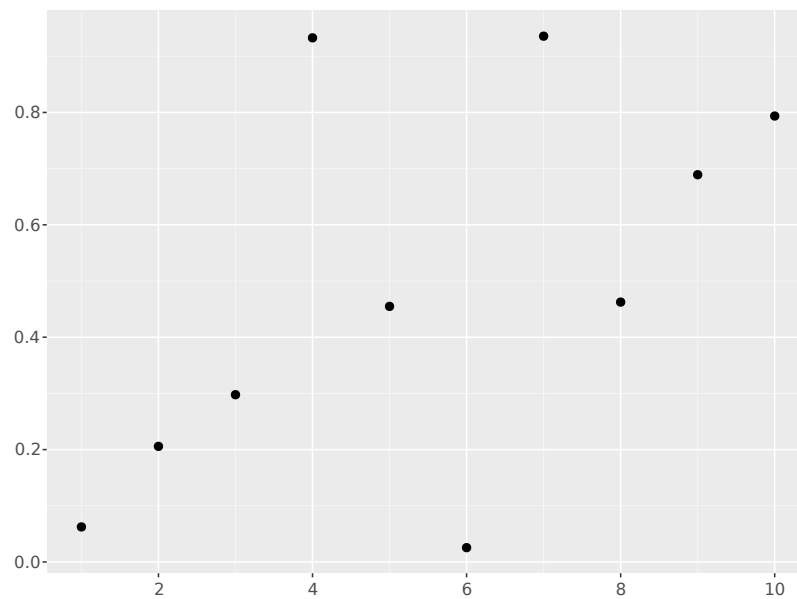
```
1 x .+ 1
```

```
10-element Vector{Float64}:  
 1.0623686130132786  
 1.2057298328804964  
 1.2976544547095088  
 1.9328006565451923  
 1.454850128793239  
 1.0254515178560797  
 1.9357629220080832
```

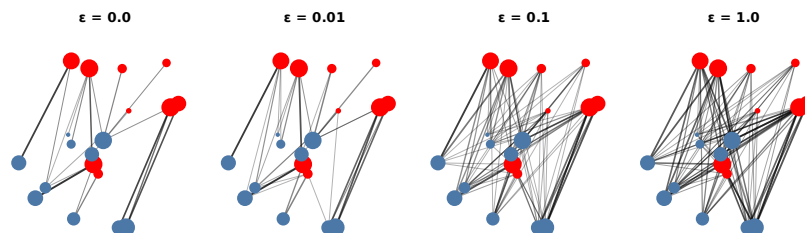
1.4625062045935209  
1.6891889010687313  
1.7936443389371013

```
1 set_theme!(theme_ggplot2())
```

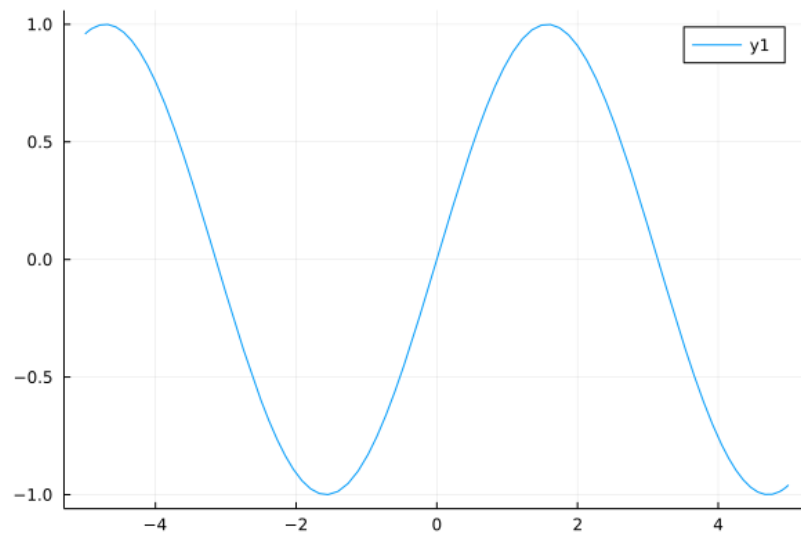
```
1 Makie.plot(x)
```



```
1 PlutoUI.LocalResource("./figure.svg")
```



```
1 PlutoUI.LocalResource(figurepath)
```



```
1 begin
2   using DataFrames
3   DataFrame(a=rand(10),b=rand(["left","right"],10))
4 end
```

10×2 DataFrame		
Row	a	b
	Float64	String
1	0.819614	left
2	0.719627	left
3	0.37834	left
4	0.522199	right
5	0.475353	right

6		0.0715597	right
7		0.878449	left
8		0.902432	left
9		0.492161	right
10		0.663569	right