

# Hello Quarto!

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# What is Quarto?

Quarto is used for creating scientific and technical documents, such as reports, presentations, books, and more, often with **embedded code** and **data visualizations**.

## Welcome to Quarto

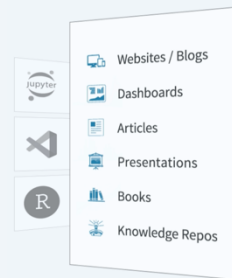
An open-source scientific and technical publishing system

- Author using [Jupyter](#) notebooks or with plain text markdown in your favorite editor.
- Create dynamic content with [Python](#), [R](#), [Julia](#), and [Observable](#).
- Publish reproducible, production quality articles, presentations, dashboards, websites, blogs, and books in HTML, PDF, MS Word, ePub, and more.
- Share knowledge and insights organization-wide by publishing to [Posit Connect](#), [Confluence](#), or other publishing systems.
- Write using [Pandoc](#) markdown, including equations, citations, crossrefs, figure panels, callouts, advanced layout, and more.

**Analyze. Share. Reproduce. You have a story to tell with data—tell it with Quarto.**

Get Started


Guide



# Who can benefit from Quarto?



Anyone, from students to data professionals, who wants to create **reproducible, shareable, data-driven** content can benefit from Quarto.



# When should Quarto be used?



Quarto is ideal for situations that require **clear**, **reproducible** documents, especially when data, code, and analysis need to be shared or published.

# Where can Quarto documents be used?

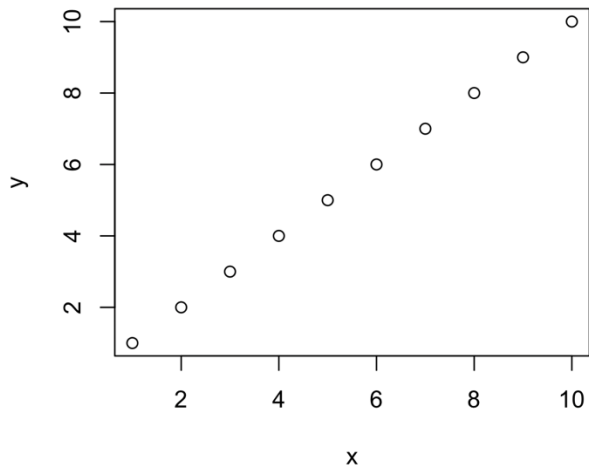
- Quarto documents can be exported to **PDFs**, **Word documents**, and **HTML** formats for sharing.
- Quarto documents can be published or uploaded on Canvas, Speed Grader, GitHub Pages, and other web hosts.

# Why use Quarto?

- Quarto lets you make **reproducible, easy-to-share** documents with code scripts, code results, and figures.
- It is especially useful for data analysis reports with codes and/or mathematical notations.
- On top of everything, it is **visually appealing** that help readers to follow.

# Example of transitions

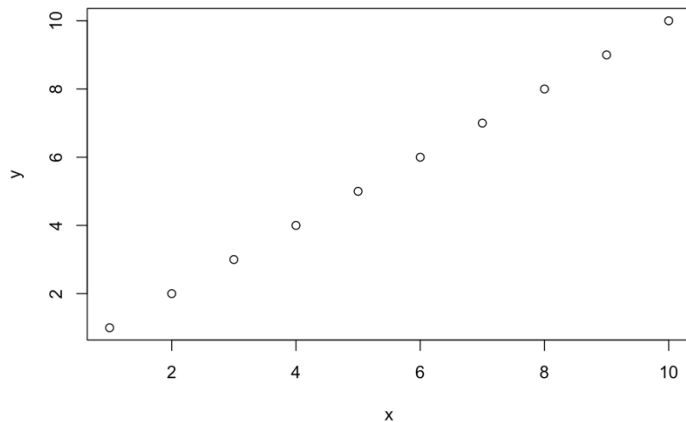
```
> x = 1:10  
> y = 1:10  
> plot(x, y)  
> |
```



## Quarto example

### Plot of $x$ and $y$

```
x = 1:10  
y = 1:10  
plot(x, y)
```



So, **how** to use Quarto?

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