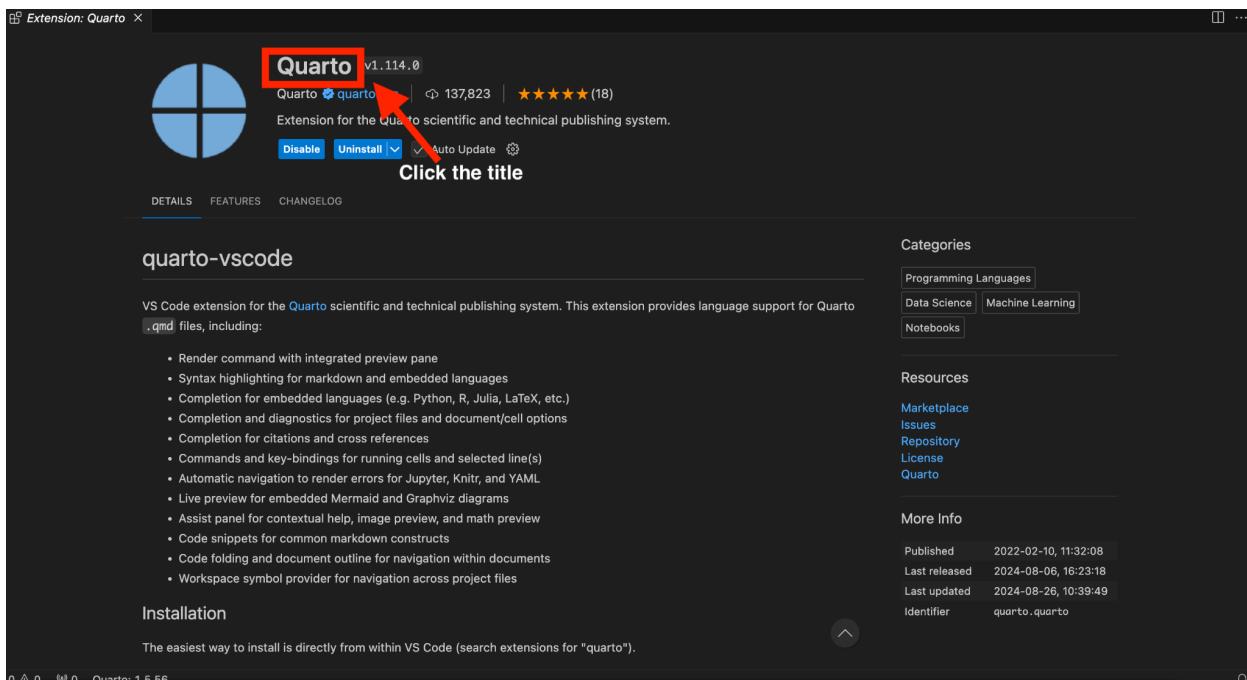
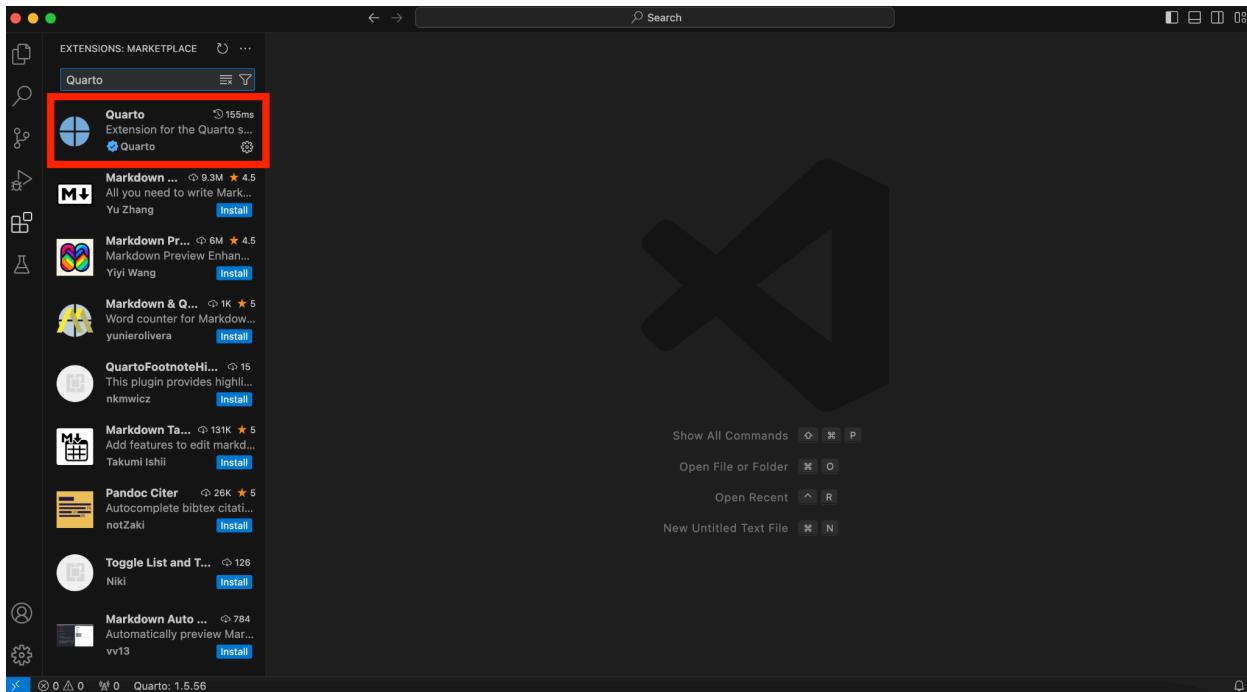
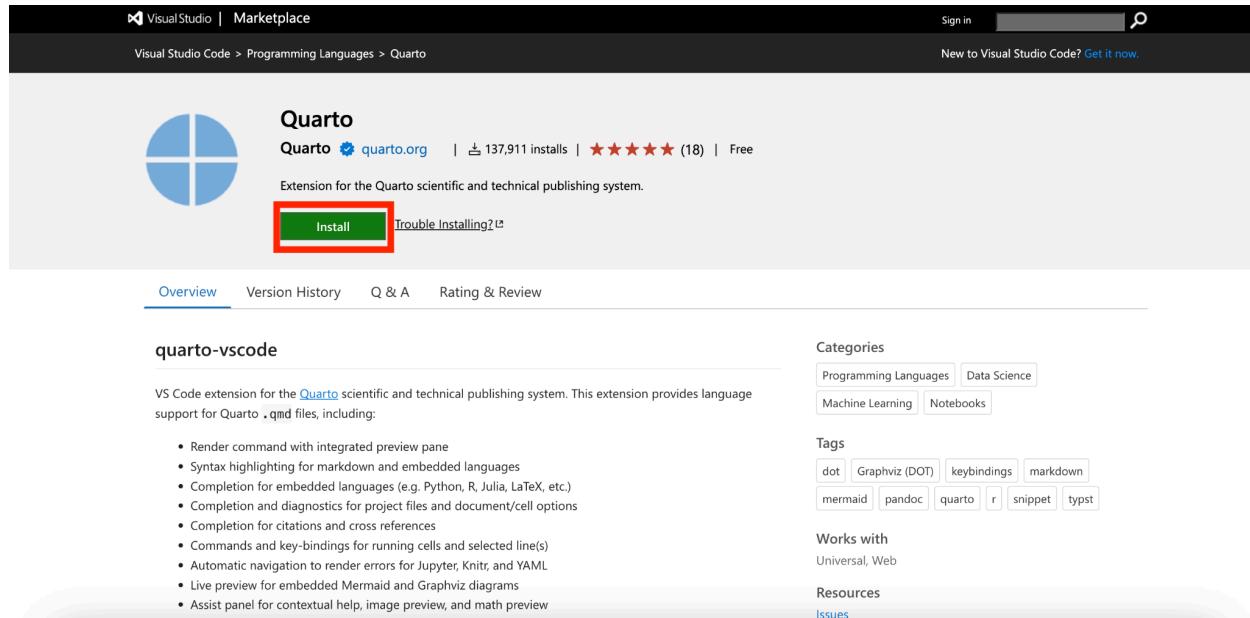


First, you must have Quarto installed on Visual Studios. You can install it by searching for Quarto on extensions in VS Code, and following the link to the browser. You cannot just install it on VS Code, it must also be installed on your computer.





Visual Studio | Marketplace

Visual Studio Code > Programming Languages > Quarto

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**Quarto**

Quarto [quarto.org](https://quarto.org) | 137,911 installs | ★★★★★ (18) | Free

Extension for the Quarto scientific and technical publishing system.

[Install](#) [Trouble Installing?](#)

[Overview](#) [Version History](#) [Q & A](#) [Rating & Review](#)

**quarto-vscode**

VS Code extension for the [Quarto](#) scientific and technical publishing system. This extension provides language support for Quarto .qmd files, including:

- Render command with integrated preview pane
- Syntax highlighting for markdown and embedded languages
- Completion for embedded languages (e.g. Python, R, Julia, LaTeX, etc.)
- Completion and diagnostics for project files and document/cell options
- Completion for citations and cross references
- Commands and key-bindings for running cells and selected line(s)
- Automatic navigation to render errors for Jupyter, Knitr, and YAML
- Live preview for embedded Mermaid and Graphviz diagrams
- Assist panel for contextual help, image preview, and math preview

**Categories**

Programming Languages Data Science

Machine Learning Notebooks

**Tags**

dot Graphviz (DOT) keybindings markdown

mermaid pandoc quarto r snippet typst

**Works with**

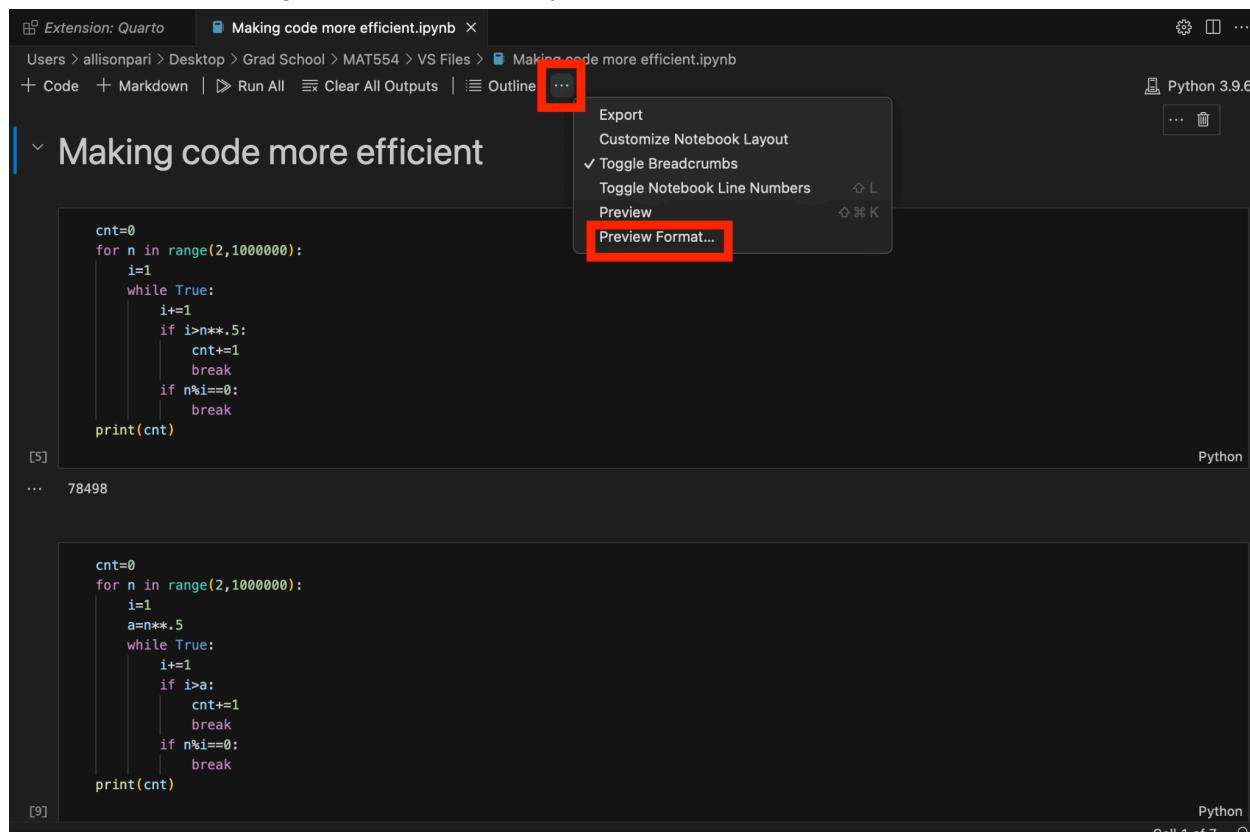
Universal, Web

**Resources**

[Issues](#)

After installing Quarto, it is a good idea to restart your VS Code app (it might not recognize that Quarto has been installed until you restart).

Then, you will open the notebook that you would like to export to PDF. In the top bar, click on the three dots next to “Outline”. Then click on “Preview Format”. This should provide a dropdown of exporting options. Choose “Typst”.



Extension: Quarto Making code more efficient.ipynb

Users > allisonpari > Desktop > Grad School > MAT554 > VS Files > Making code more efficient.ipynb

+ Code + Markdown | Run All Clear All Outputs | Outline ...

Making code more efficient

```
cnt=0
for n in range(2,1000000):
    i=1
    while True:
        i+=1
        if i>n**.5:
            cnt+=1
            break
        if n%i==0:
            break
    print(cnt)
```

78498

Python 3.9.6

...

Preview Format...

Export

Customize Notebook Layout

✓ Toggle Breadcrumbs

Toggle Notebook Line Numbers

Preview

Preview Format...

Python

Cell 1 of 7

```

cnt=0
for n in range(2,1000000):
    i=1
    while True:
        i+=1
        if i>n**.5:
            cnt+=1
            break
        if n%i==0:
            break
    print(cnt)

```

[5] 78498

```

cnt=0
for n in range(2,1000000):
    i=1
    a=n**.5
    while True:
        i+=1
        if i>a:
            cnt+=1
            break
        if n%i==0:
            break
    print(cnt)

```

[9] Python  
Cell 1 of 7

This should bring up a preview of your document in PDF format. Review the document to make sure everything looks good, then click the two arrows in the top right corner.

Quarto Preview

Making code more efficient

cnt=0  
for n in range(2,1000000):  
 i=1  
 while True:  
 i+=1  
 if i>n\*\*.5:  
 cnt+=1  
 break  
 if n%i==0:  
 break  
 print(cnt)

78498

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS JUPYTER

shift-heading-level-by: -1  
default-image-extension: svg  
wrap: none  
citeproc: false

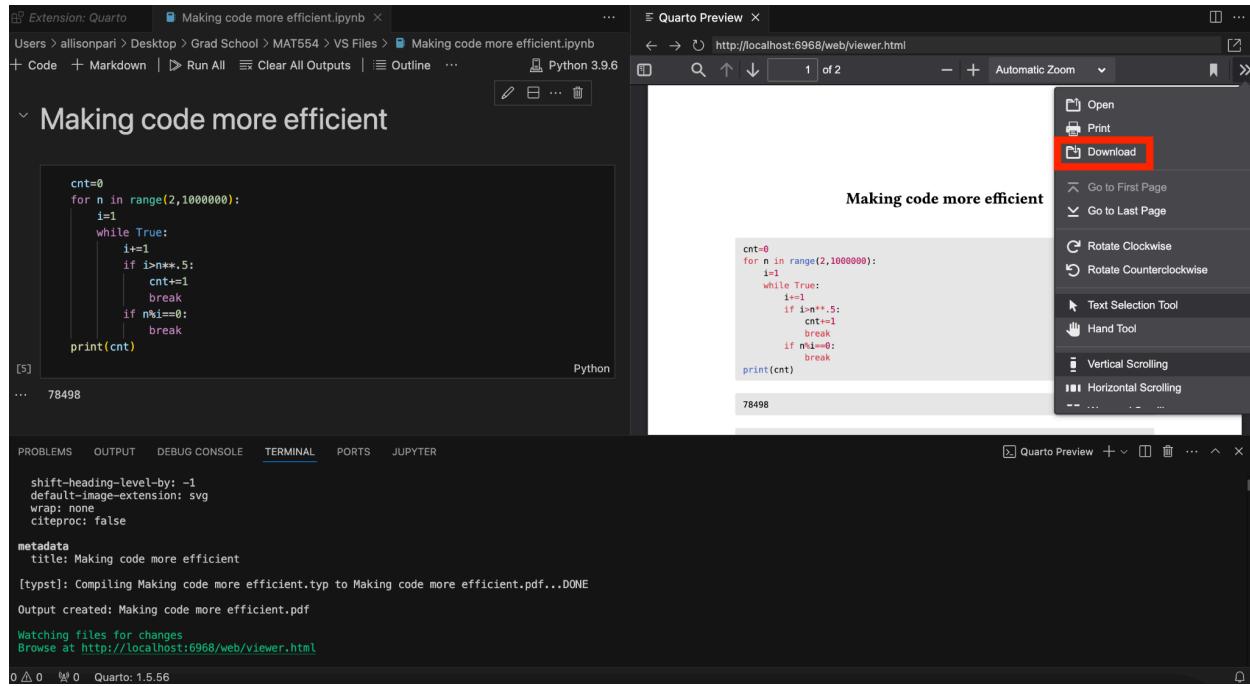
metadata  
title: Making code more efficient

[typst]: Compiling Making code more efficient.typ to Making code more efficient.pdf...DONE  
Output created: Making code more efficient.pdf

Watching files for changes  
Browse at <http://localhost:6968/web/viewer.html>

Quarto Preview

This should provide another dropdown of options. Choose “Download”.



## Troubleshooting:

- If you click on “Preview” instead of “Preview Format” it will give the default format, which is HTML to begin with. After you choose “Typst”, it should switch to “Typst” for the default. If you are unsure of what the default is, just always use “Preview Format”.
- If you choose “LaTeX”, you will be prompted to download additional files. Using “Typst” will give you a PDF without needing to download more files.
- You may not have certain special characters like “#” in your title when you export to PDF using “Typst”. If it is giving you an error, check your title.