

# **Third Time is a charm**

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# Preface

This is a Quarto book.

To learn more about Quarto books visit <https://quarto.org/docs/books>.

# 1 Introduction

This is a book created from markdown and executable code.

GH Actions is working but now need to create a preview local & then upload it fully there.

- 0) <https://www.youtube.com/watch?v=arzBRW5XIkg>
- 1) Create `fbook` book project in quarto
- 2) No need to render it locally. Perhaps only preview.
- 3) `git init` & add required token, `user.name` & `user.email`
- 4) Create repo on GH `fbook`
- 5) Type this:

```
git remote add origin https://github.com/fortunewalla/fbook.git
git branch -M main
```

- 6) `git add .` & `git commit -m "initial"` & `git push -u origin main`
- 7) `git add .` & `git commit -m "initial"` & `git push --set-upstream origin main`
- 8) Create `gh-pages` branch in GH repo.
- 9) `mkdir` & create file `.github/workflows/publish-quarto.yml`
- 10) GH Actions File. Don't copy the file from GH Actions Samples Example repo. It has some YAML error. The below works.

```
on:
  workflow_dispatch:
  push:
    branches: main

name: Quarto Publish

jobs:
  build-deploy:
    runs-on: ubuntu-latest
```

```

permissions:
  contents: write
steps:
  - name: Check out repository
    uses: actions/checkout@v4

  - name: Set up Quarto
    uses: quarto-dev/quarto-actions/setup@v2
    env:
      GITHUB_TOKEN: ${ secrets.GITHUB_TOKEN }
    with:
      tinytex: true
  # From https://github.com/actions/setup-python
  - name: Setup Python
    uses: actions/setup-python@v5
    with:
      python-version: '3.10'
      cache: 'pip'
  - run: pip install jupyter
  - run: pip install -r requirements.txt

  # From https://github.com/r-lib/actions/tree/v2-branch/setup-r
  - name: Setup R
    uses: r-lib/actions/setup-r@v2
    with:
      r-version: '4.4.0'

  - name: Install R Dependencies
    uses: r-lib/actions/setup-renv@v2
    with:
      cache-version: 1
  - name: Render and Publish
    uses: quarto-dev/quarto-actions/publish@v2
    with:
      target: gh-pages
    env:
      GITHUB_TOKEN: ${ secrets.GITHUB_TOKEN }

```

11) `git add . && git commit -m "added publish-quarto.yml" & git push -u origin main`

12) GH Settings -> Pages -> Branch change to `gh-pages` & directory as `/root` and then save.

See Knuth (1984) for additional discussion of literate programming.

## 2 Summary

In summary, this book has no content whatsoever.

## References

Knuth, Donald E. 1984. “Literate Programming.” *Comput. J.* 27 (2): 97–111. <https://doi.org/10.1093/comjnl/27.2.97>.