

GitHub Pages HTML Sharing Guide

How to Share HTML Files from Your Local Projects

This guide explains how to transfer HTML files from your local R projects (like DDUH_DS) to your GitHub Pages repository for external sharing.



Repository Structure

Your `oral-health-nutrition.github.io` repository should be organized like this:

```
oral-health-nutrition.github.io/  
├── COP_nutrition_survey/  
│   ├── index.html  
│   ├── IADR_25_FINAL_8.html  
│   ├── regional_sand_global_survey_analysis_V19.html  
│   └── regional_survey_analysis_12.html  
├── fluoride_research/  
│   ├── index.html  
│   └── [fluoride HTML files]  
├── datasets/  
│   └── [CSV files if needed]  
└── README.md
```



Step-by-Step Process

Step 1: Generate HTML from R Markdown

In your local R project (e.g., DDUH_DS):

```
# In RStudio, render your .Rmd file to HTML
rmarkdown::render("your_analysis.Rmd", output_format = "html_document")

# Or use the Knit button in RStudio
```

Step 2: Locate Your HTML Files

Your HTML files will be in your local project directory:

```
~/Documents/DDUH_DS/
├─ dental_survey_analysis.html
├─ regional_analysis.html
└─ IADR_presentation.html
```

Step 3: Copy Files to GitHub Repository

Option A: Using Finder/File Explorer

1. **Navigate** to your local GitHub repository:

```
~/Documents/oral-health-nutrition.github.io/COP_nutrition_survey/
```

2. **Copy** HTML files from your DDUH_DS project to the appropriate folder
3. **Rename** files if needed (e.g., analysis.html → survey_analysis_v19.html)

Option B: Using Terminal/Command Line

```
# Navigate to your GitHub repository
cd ~/Documents/oral-health-nutrition.github.io/COP_nutrition_survey/

# Copy HTML files from your R project
cp ~/Documents/DDUH_DS/dental_survey_analysis.html ./regional_sand_global_survey_analysis_V19.html
cp ~/Documents/DDUH_DS/IADR_slides.html ./IADR_25_FINAL_8.html

# List files to confirm
ls -la *.html
```

Step 4: Add and Commit to Git

```
# Navigate to repository root
cd ~/Documents/oral-health-nutrition.github.io/

# Check status
git status

# Add new/updated files
git add COP_nutrition_survey/*.html

# Commit with descriptive message
git commit -m "Add updated survey analysis HTML files with real data"

# Push to GitHub
git push origin main
```

Step 5: Verify Online

Check that your files are live: - **Direct file:** https://oral-health-nutrition.github.io/COP_nutrition_survey/IADR_25_FINAL_8.html -
Index page: https://oral-health-nutrition.github.io/COP_nutrition_survey/

Sharing URLs

Individual Files

```
https://oral-health-nutrition.github.io/COP_nutrition_survey/IADR_25_FINAL_8.html  
https://oral-health-nutrition.github.io/COP_nutrition_survey/regional_and_global_survey_analysis_V19.html
```

Index Pages

```
https://oral-health-nutrition.github.io/COP_nutrition_survey/  
https://oral-health-nutrition.github.io/fluoride_research/
```

Main Repository

```
https://oral-health-nutrition.github.io/
```



Best Practices

File Naming

- **Use descriptive names:** survey_analysis_v19.html not analysis.html
- **Include version numbers:** _v19, _final, _2025 for clarity
- **No spaces:** Use underscores or hyphens instead

Organization

- **Group by project:** COP survey, fluoride research, etc.
- **Create index pages:** For each project folder
- **Update regularly:** Keep HTML files current with R analysis

Git Workflow

```
# Daily workflow
git pull origin main      # Get latest changes
# ... copy new HTML files ...
git add .                 # Stage all changes
git commit -m "Update analysis with latest data"
git push origin main      # Push to GitHub
```

Automation Tips

R Script for Batch Export

Create an R script to render multiple files:

```
# render_all.R
files_to_render <- c(
  "survey_analysis.Rmd",
  "regional_analysis.Rmd",
  "IADR_presentation.Rmd"
)

for(file in files_to_render) {
  rmarkdown::render(file, output_format = "html_document")
}

# Copy to GitHub repository
file.copy("survey_analysis.html",
  "~/Documents/oral-health-nutrition.github.io/COP_nutrition_survey/survey_analysis_v19.html",
  overwrite = TRUE)
```

Git Aliases (Optional)

Add to your ~/.gitconfig :

```
[alias]  
webpage = !git add . && git commit -m "Update web content" && git push origin main
```

Then use: `git webpage`



Troubleshooting

Common Issues

Files not showing online - Check GitHub Pages is enabled in repository settings - Ensure files are in correct folder structure - Verify git push completed successfully

Broken links in HTML - Use relative paths in R Markdown: `` - Ensure all referenced files are also copied to GitHub

Large file sizes - Optimize images before including in HTML - Consider using GitHub's file size limits (100MB per file)

Checking GitHub Pages Status

1. Go to repository Settings
2. Scroll to "Pages" in left sidebar
3. Verify source is set to "Deploy from a branch: main"



Example Workflow

Complete example for updating survey analysis:

```
# 1. In RStudio: Knit your .Rmd files to HTML

# 2. Copy files to GitHub repository
cd ~/Documents/oral-health-nutrition.github.io/COP_nutrition_survey/
cp ~/Documents/DDUH_DS/survey_analysis.html ./survey_analysis_v20.html

# 3. Update index page if needed (edit index.html)

# 4. Commit and push
git add .
git commit -m "Update survey analysis v20 with latest data"
git push origin main

# 5. Share the link
echo "https://oral-health-nutrition.github.io/COP_nutrition_survey/survey_analysis_v20.html"
```

Next Steps

1. **Clean up existing files** in your repository
2. **Create index pages** for each project folder
3. **Set up fluoride research** folder with same structure
4. **Create automation scripts** for regular updates
5. **Document your specific workflow** for future reference

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Repository: oral-health-nutrition.github.io