

# 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.

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### 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
```

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### Step-by-Step Process

#### Step 1: Generate HTML from R Markdown

In your local R project (e.g., DDUH\_DS):

r

```
# 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

```
bash
```

```
# 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_and_global_survey_
```

```
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

```
bash
```

```
# 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.
```

### 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/
```

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## 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

```
bash

# 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
```

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## Automation Tips

### R Script for Batch Export

Create an R script to render multiple files:

```

r
# 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",
  overwrite = TRUE)

```

## Git Aliases (Optional)

Add to your `~/.gitconfig`:

```

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

```

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:

bash

*# 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"`

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## 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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*Last updated: 2025-06-24*

*Repository: [oral-health-nutrition.github.io](https://oral-health-nutrition.github.io)*