CLAUDE.md

This file provides guidance to Claude Code (claude.ai/code) when working with code in this repository.

Project Overview

This is the website for **Project CREDIBLE** (Creatively Reimagining Engagement With Data in Biology Learning Environments), an NSF-funded STEM education research project. The website is built using Quarto and published to GitHub Pages at projectcredible.com.

Technology Stack

- **Quarto**: Static site generator for creating the website from `.qmd` (Quarto Markdown) files
- **R/RStudio**: Development environment (evidenced by `.Rproj` file)
- **Output**: Static HTML website generated to the `docs/` directory
- **Deployment**: GitHub Pages (hosted from `docs/` directory)

Build and Development Commands

Rendering the Website

```
# Render the entire website (builds all .qmd files to docs/)
quarto render

# Preview the website with live reload
quarto preview

# Render a single page
quarto render index.qmd
quarto render about.qmd
```

Project Structure

- `_quarto.yml`: Main configuration file defining website structure, navigation, theme (flatly), and output directory
- `*.qmd files`: Source content files in Quarto Markdown format

- index.qmd: Homepage with project overview
- about.qmd: Project abstract and acknowledgments
- contact.qmd: People and contact information
- cohort-1.qmd, cohort-2.qmd: Resources for teacher cohorts
- resources.qmd, tools-and-resources.qmd: General and specific resource pages
- abc.qmd: ABCs of Data page
- recruitment.qmd: Recruitment information

- **docs/**: Build output directory (contains generated HTML, committed to git for GitHub Pages)
- **images/**: Image assets referenced in content
- **styles.css**: Custom CSS for site styling

Key Website Architecture

The website uses Quarto's website project type with:

1. **Navigation**: Defined in `_quarto.yml` with left navbar containing:

   - Home
   - "About and Contact" dropdown menu
   - "Resources" dropdown menu with links to cohort pages and tools

2. **Theme**: Uses the "flatly" Bootstrap theme with custom CSS

3. **Output Formats**:

   - Primary: HTML with table of contents
   - Secondary: PDF output configured with XeLaTeX engine

4. **Output Directory**: All rendered content goes to `docs/` which is served by GitHub Pages

Content Editing Workflow

When editing content: 1. Modify the relevant `.qmd` file 2. Run `quarto render` to rebuild the site 3. Check the generated HTML in `docs/` directory 4. Commit both the source `.qmd` file and generated `docs/` files

Important Notes

- The `docs/` directory is tracked in git (not gitignored) because it's used for GitHub Pages deployment
- `.Rproj.user/`, `.Rhistory`, `.RData`, `.Ruserdata`, and `.quarto/` are gitignored
- The website URL is projectcredible.com (custom domain configured via CNAME)
- This is an NSF-funded educational research project (Grant No. 2239152)