Posit-- new company for RStudio and Quarto

Sam Csik-- example of website with Quarto

**Notes**

* yaml chunk-- beginning chunk -- specifies metadata for the file -- format render into -- editor-- visual format to edit in
* quarto doesnt require R -- just using the RStudio IDE
* blogdown R package—can make websites as well
* simple to get basic website going, but because based on code easy to customize
* could write manuscript using quarto – would automatically update numbers and graphs
* by default have a pretty good mobile view

**Files**

* .Rproj – contains info about project –shouldn’t need to do anything/modify
* Quarto.yml – the file that is where you specify how the website is organized—website what metadata is, what pages and what order, deals with navigation, etc.
  + Uses yml language
* About.qmd – pages that are on your website
* Index.qmd – pages that are on your website
* Styles.css- plain text file used to incorporate css to your website (advanced stuff)
* \_site – once render the website—will have html to create website

**To render:**

* Build tab🡪 render—will show in Viewer tab

**To put online:**

* Different deployment options
  + For options: Quarto.org/docs/publishing
  + GitHub Pages -- common but requires knowledge of Git/Github
  + We will use Quarto Pub – free/easy/doesn’t require version control
  + University may have a posit connect – UA pays for research purposes
    - Would be at viz.datascience.arizona.edu/….
* Step where no buttons- need to use command line in terminal tab
  + Type in: quarto publish quarto-pub
    - We want to publish and do it in quarto-pub
    - Will be webpagename.quarto.pub/slug
      * Can only change slug and webpagename
      * Can click default site to get webpagename.quarto.pub without slug but can only have one

**Suggestions**:

* Make changes locally and render locally before publishing

**Customization:**

* Change title:
  + Go to Quarto.yml script and edit text after ‘title’
* Add pages
  + New script 🡪 quartodocument
    - Working on one as standalone render as pdf or work
    - For website- want to render HTML
  + To add to webpage go to quarto.yml script, under website-> left add name of file to list (- filename.qmd)
* To change format
  + Mostly use visual editor cause easy commands
  + Can use **command ?** to get a dropdown list if forget how to code things like a drop down list ect (only in visual editor)
* Use page templates
  + ‘Index’ is the homepage of a webpage
  + Quarto has set template for pages
  + Chagne on the yml on the individual page
  + Templates: <https://quarto.org/docs/websites/website-about.html>
* Change theme
  + Bunch of built in themes comes from organization called bootswatch ([www.bootswatch.com](http://www.bootswatch.com)) (have bunch of free themes)
  + Go to quarto.yml under ‘format’ 🡪 ‘theme’ change to name
  + To add a photo, add photo to the project folder than add name under ‘image’
  + For customizing themes: <https://quarto.org/docs/output-formats/html-themes.html>
* Add logo
* Add blog
* Do fancy css stuff

Additonal resources:

* another tutorial: <https://ucsb-meds.github.io/creating-quarto-websites/>
* syntax: <https://quarto.org/docs/authoring/markdown-basics.html>
* USCB github: <https://github.com/UCSB-MEDS/creating-quarto-websites>
* Here's some resources to follow this workshop. I used these to build out my website:
  + <https://youtu.be/GsoBkxrK9Vg>
  + <https://github.com/cct-datascience/CALS-workshops/tree/main/202210-quarto-website>
  + <https://bootswatch.com/>
  + <https://fontawesome.com/>
  + <https://iconifier.net/index.php?iconified=20221102092033_rs-4transblk.png>
* To learn more about Quarto websites visit <https://quarto.org/docs/websites>.