MTH 459, Quarto Tutorial #2, Spring 2025

Some aspects of these Quarto Tutorials will be review, but it will be good to have some clear and specific examples/templates for you to work with going forward and for presenting the results of your capstone project. Each of these Quarto tutorials will render a different type of document: HTML, Word, PowerPoint, and LaTeX/pdf.

Render your document as a Word document.

Start with your file from the last quarto tutorial and make the following adjustments:

1. Update the YAML header to render the document to a Word file instead of html

   format: docx

2. Update the code chunks to not echo back or include all the code, and suppress warnings (note: if you include the code in the output, you need to explain it). These codes can also be rendered in the {r} section similarly to the next examples below, without the #| in front, and separated by commas.

   #| echo: false
   #| include: true
   #| warning: false

3. Adjust the sizes of the images so that they are not distorted. You may need to play with the dimensions to get ones you like.

   {r, fig.width=5, fig.height=5}

4. Add figure captions to both graphs.

   {r, fig.cap="Mandelbrot Set Visualization"}

5. Add another code chunk that zooms in on an area of interest of the Mandelbrot set, do this by selecting a center point, and narrowing the range of your grid. The smaller the range, the more the zoom.

6. Render your file as a Word document and submit your Word document to the Blackboard dropbox.