Using LaTeX to Compile Documentation and Reports
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ABSTRACT TEXT: Did you know there are other tools besides traditional word processing programs that can help you write and compile lengthy documents such as reports and manuals? LaTeX is a free, open-source document type-setting and preparation markdown language popular among universities for thesis and dissertation production. In the assessment world, LaTeX can be used to compile IAAO demonstration reports, office cost or inventory manuals, and other lengthy documentation comprised of many non-text inputs such as graphs, maps, and tables.

This presentation will utilize the structure of a Mass Appraisal Specialist (MAS) Demonstration Report to illustrate LaTeX concepts such as Classes (types of predefined document structures) and Packages (sets of commands developed by other users to perform various functions). These Classes and Packages will be illustrated through a series of demonstrations to setup the document formatting and text and mathematical function formatting, in addition to tables, images, bibliographies, and in-text citations. The presentation will also discuss where to find additional resources and conclude with potential other applications of LaTeX in CAMA and GIS.

Using Jupyter Notebooks in GIS workflows
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ABSTRACT TEXT: Jupyter Notebooks combine python text with interactivity and documentation. Recent pilot projects using Jupyter have had mixed results. While a Notebook can be used to both provide documentation and execute code for a single user, transference of that code to other staff can be difficult due to python library dependencies.