

## Date with Data: Modules for SimpleChartsRI

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In the current world, there is an overwhelming amount of data and information spread throughout the internet, books, etc. for students to read and sort through. A way for students to easily absorb this information is to put it into an easy-to-understand form such as data visualizations: graphs, charts, tables, etc. To assist teachers in creating more effective lessons and modules, we use a data visualization tool called SimpleChartsRI. SimpleChartsRI hosts a one-day workshop that aims to educate teachers on data visualization programs and emphasize the importance of data literacy. Modules were created for the workshop to guide teachers through the process of learning how to use websites such as SimpleChartsRI and Infogram to then utilize in their classrooms. The modules contain step-by-step instructions on how to use certain functions within each site. The modules also contain example classroom plans/lectures that can be used to guide the teachers whilst they create their own lesson plans. The example modules cover a variety of topics to show that data visualization can be applied to all fields of studies such as: marine biology, public health, epidemiology, and demography. A brief overview of an example includes a project description, the lesson flow, sample questions, worksheets, and mock submissions. This workshop allows for teachers to explore a different mode of educating by using different teaching methods and implementing new tools to encourage student learning.