CRTY 1035

Centre of Geographic Sciences
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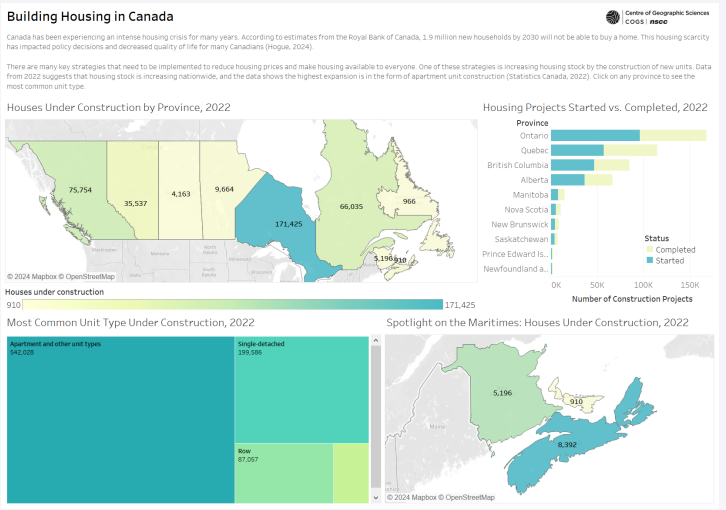
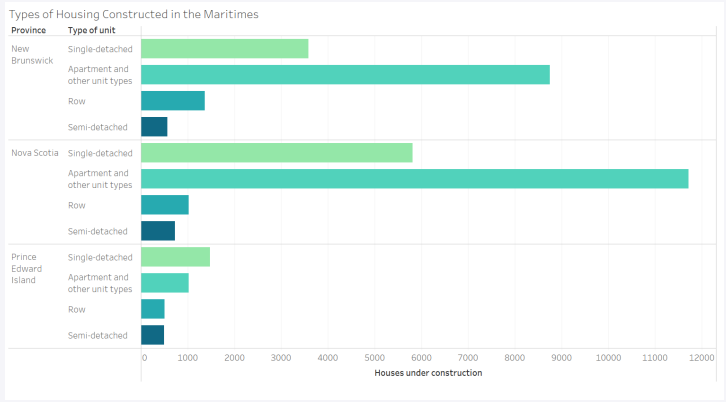
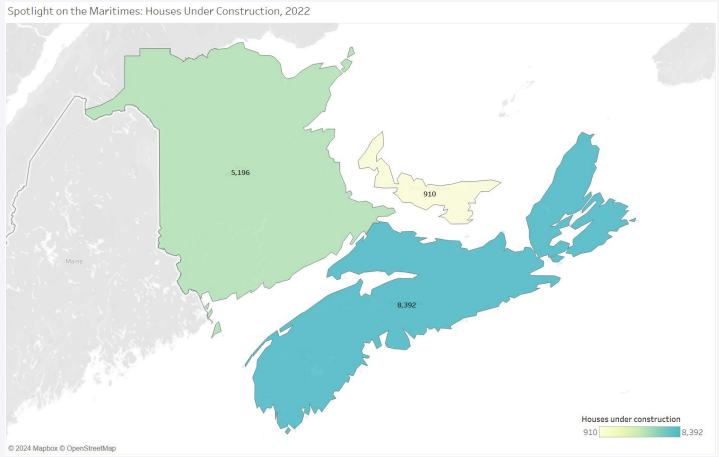
Tableau Interactive Maps

The purpose of this project was to develop foundational skills in Tableau Desktop. The outcomes of the project facilitated an opportunity to practice a variety of workflows in the software, including importing data, creating data visualizations and maps, and producing both dashboards and stories. Using data from Statistics Canada, two maps and three associated visualizations were created to explore one aspect of the current Canadian housing crisis: new housing construction. The Tableau Desktop interface was used to create a map of the number of new construction projects by province, and a secondary map highlighted particularly low construction numbers in Atlantic Canada. Other visualizations explored the number of projects that were started and completed in 2022, the most common type of new build unit, and new build trends in New Brunswick, Nova Scotia, and PEI. Trends in new builds across Canada, such as the overall dominance of apartments as the most common construction type, and the connection between housing shortages and building single-family homes were explored.

Cleaned and processed data from Statistics Canada in **Microsoft Excel**, removing extraneous details and making the file easy to work with in **Tableau Desktop**.

Visualized quantitative construction project data using treemaps and bar charts, highlighting the most common new construction projects.

Synthesized mapped data and associated visualizations in an engaging, cohesive Tableau dashboard.

Analyzed data and visualizations for spatial and statistical trends.

Highlighted key findings using **Tableau stories**, integrating several **dashboards** to tell the viewer a story and draw attention to key trends and patterns.