Create an Interactive Dashboard using ArcGIS

Tuesday, March 10, 2026
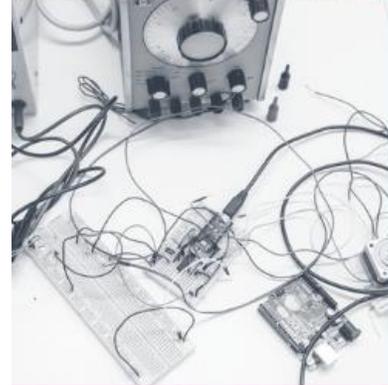
10:30am – 11:30am **(Online)**

Sherman Centre
for Digital Scholarship

Create an Interactive Dashboard using ArcGIS

Christine Homuth

Spatial Information (GIS) Specialist

March 10, 2026

A joint initiative of McMaster's Faculty of Humanities and McMaster University Libraries

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Land Acknowledgement

McMaster University is located on the traditional Territories of the Mississauga and Haudenosaunee Nations, and within the lands protected by the "Dish With One Spoon" wampum agreement.

CARE Principles for Indigenous Data Governance

First Nations Principles of OCAP

Code of Conduct

The Sherman Centre and the McMaster University Libraries are committed to fostering a supportive and inclusive environment for its presenters and participants.

As a participant in this session, you agree to support and help cultivate an experience that is collaborative, respectful, and inclusive, as well as free of harassment, discrimination, and oppression. We reserve the right to remove participants who exhibit harassing, malicious, or persistently disruptive behaviour.

Please refer to our code of conduct webpage for more information: **scds.ca/code-of-conduct/**

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Certificate Programs

The Sherman Centre for Digital Scholarship Certificate of Attendance

The Sherman Centre's certificate program recognizes attendance at our workshops. It complements degree training, supports the development of critical competencies in data analysis, research data management, and digital scholarship, and formalizes core skills fostered by our workshops.

Participants are invited to attend seven workshops and receive a certificate of attendance. To verify your participation in today's workshop, we will provide a code and additional instructions at the end of the session.

You can learn more about the certificate program at **scds.ca/certificate-program**

Credit Eligibility

This workshop counts toward credit for students in the Faculty of Science who are enrolled in **SCIENCE 2SF1: Digital Skills Workshop.**

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📅 Winter / Spring 2026: Upcoming Workshops

Data Analysis Support Hub

March 26: Creating Data Visualizations with Javascript

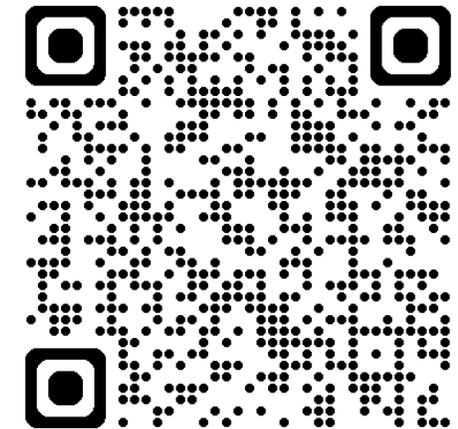**April 2:** Microdata Analysis with Python using Statistics Canada Data

Do More with Digital Scholarship

March 19: Social Media Data! Practical and Ethical Collection, Visualization, and Management

Research Data Management

May 5: Students deserve Research Data Management! Teaching with the RDM Educators Kit

May 12: Data Management Plan Bootcamp (In-Person)

Register for Upcoming Workshops: https://u.mcmaster.ca/scds-workshops

Learning Objectives

By the end of this workshop, you will:

- Use data from an open data portal to create a basic map

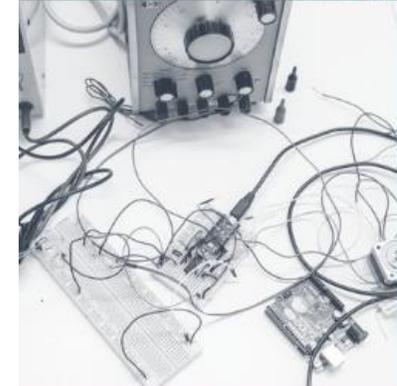- Design, build, and publish a dashboard that conveys information to your audience

Help with GIS and ArcGIS Dashboards

Send GIS Services an Email:

libgis@mcmaster.ca

Schedule a Consultation:

https://libcal.mcmaster.ca/appointments/gis

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ArcGIS Dashboards

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ArcGIS

Education Institutional License

- Eligibility:

  - ***Current*** students, staff, and faculty
  - ***McMaster*** coursework and research purposes

- ***Cannot*** be used for consulting, roles external to McMaster (e.g. Co-op positions), or other uses resulting in personal or commercial gains.

- Accounts and content will ***only be available while students, staff, and faculty are active members*** of the university.

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Complete List *

- [ArcGIS at McMaster University Libraries](#)

- *subject to change

ARCGIS PRO ADVANCED

Included Licenses:

- 3D Analyst
- Aviation Airports
- Aviation Charting
- Bathymetry
- Business Analyst
- Data Interoperability
- Data Reviewer
- Defense Mapping
- Geostatistical Analyst
- Image Analyst

- Locate XT
- Location Referencing
- Maritime
- Network Analyst
- Production Mapping
- Publisher
- Spatial Analyst
- StreetMap Premium North America
- Workflow Manager

Add-on Licenses:

- ArcGIS Business Analyst Web and Mobile Apps
- ArcGIS Community Analyst
- ArcGIS Drone2Map
- ArcGIS GeoPlanner
- ArcGIS Insights
- ArcGIS Location Sharing
- ArcGIS Urban Suite

Applications

Essential Apps:

- ArcGIS App Studio
- ArcGIS Dashboards
- ArcGIS Experience Builder
- ArcGIS Hub
- ArcGIS Instant Apps
- ArcGIS Maps for Adobe Creative Cloud
- ArcGIS StoryMaps
- ArcGIS Web App Builder
- Configurable Apps
- Map Viewer
- Scene Viewer

Field Apps:

- ArcGIS Collector
- ArcGIS Field Maps
- ArcGIS Quick Capture
- ArcGIS Survey 123
- ArcGIS Workforce

Office Apps:

- ArcGIS Connectors for Power Automate
- ArcGIS for Excel
- ArcGIS for Power BI
- ArcGIS for SharePoint
- ArcGIS for Teams

Other Apps:

- ArcGIS City Engine
- ArcGIS Data Pipelines
- ArcGIS Flight
- ArcGIS Field Maps Designer
- ArcGIS Notebooks
- ArcGIS Quick Capture Web Designer
- ArcGIS Web Editor

Capabilities:

- ArcGIS GeoBIM
- ArcGIS Image Analysis
- ArcGIS Image Hosting

ArcGIS Runtime:

- ArcGIS Runtime Advanced

ARCGIS ENTERPRISE ADVANCED

Included applications:

- ArcGIS Pro Advanced
- Essential Apps
- Field Apps
- Office Apps

Included extensions:

- ArcGIS Advanced Editing
- ArcGIS GeoBIM

Add-on applications:

- ArcGIS Drone2Map
- ArcGIS Excalibur
- ArcGIS Insights
- ArcGIS Mission Manager

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ArcGIS Products

Overview of ArcGIS Dashboards

- Data visualization

- Highly interactive

- Easy to use

- Maps, charts, tables, infographics

- Elements are linked

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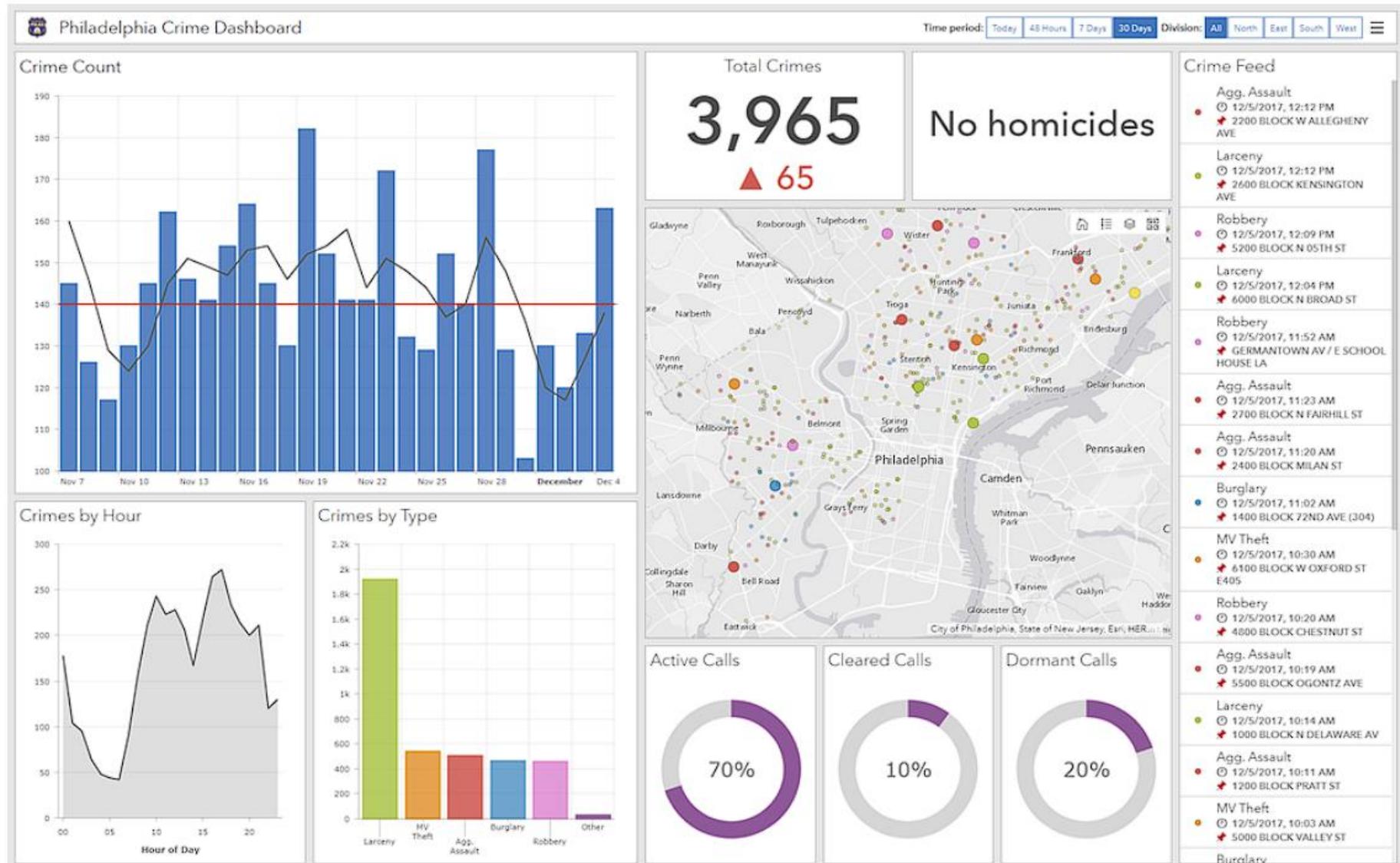
Pros

- Good for map-based visualizations and interactions

- Connects with other ArcGIS applications

- Able to use data "views" which doesn't impact, or show, source feature layer

- User-friendly

Cons

- Analysis takes place outside Dashboards

- Customization is limited

- Data stored in ArcGIS Online / Living Atlas

- Potential for information overload

- Limited web accessibility with maps and other widgets

- Accounts costly outside McMaster's license

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Activity
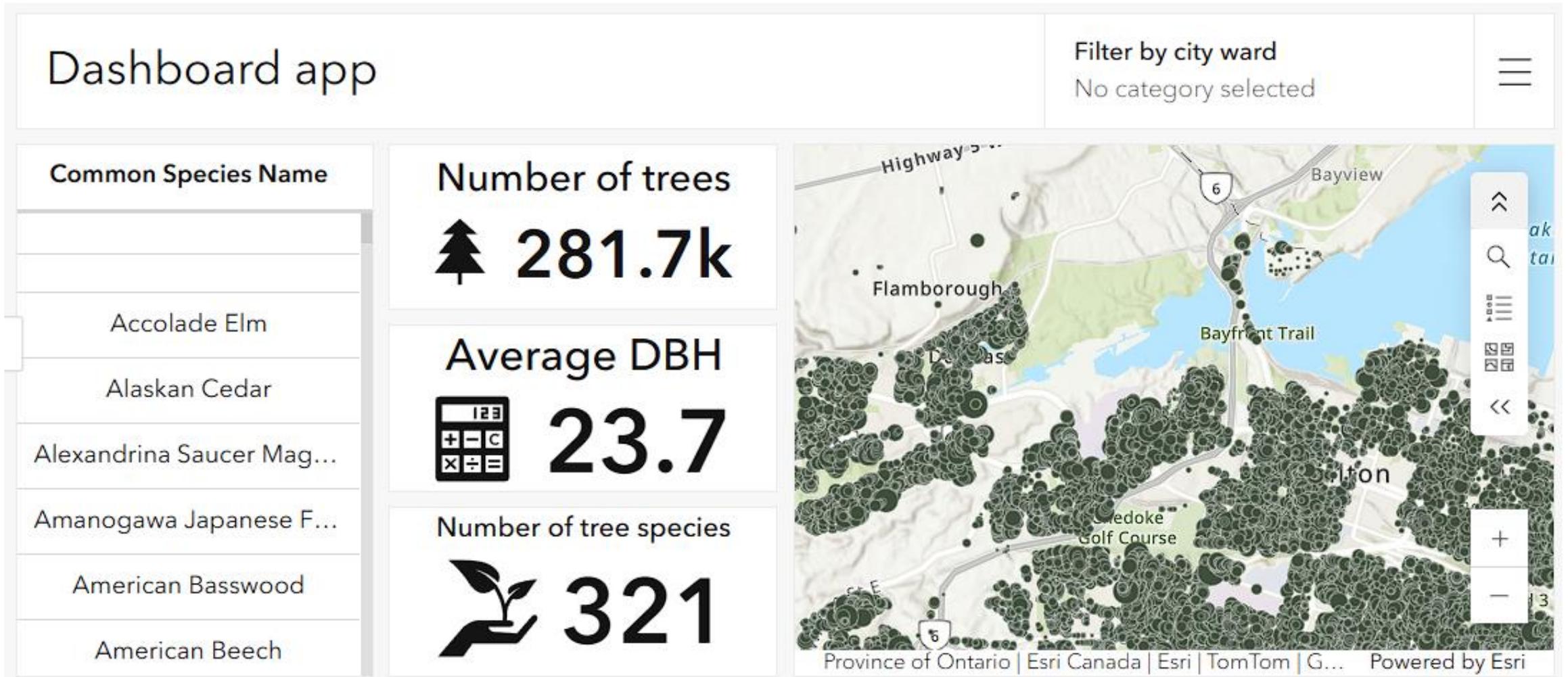
GIS Services

Send GIS Services an Email:

libgis@mcmaster.ca

Schedule a Consultation:

https://libcal.mcmaster.ca/appointments/gis

GIS Services Website:

https://library.mcmaster.ca/services/gis

SCDS Links

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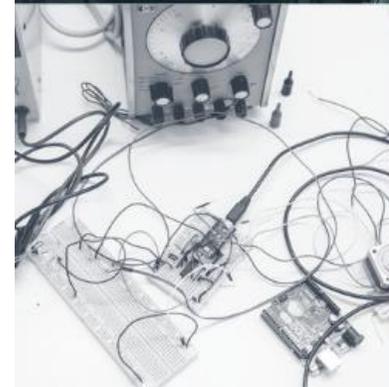
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