

DASH Workshops

A series of hands-on, skill-building workshops with a variety of software packages and digital tools.

[Producing Podcasts: Disseminating Knowledge and Connecting with Audiences](#)

This introductory-level workshop explores podcasting as a powerful method of knowledge dissemination and audience connection. Participants will be walked through the following phases of podcast production; scriptwriting, audio recording, and audio editing. No software or experience required.

Date: Thursday, October 24, 2019

Time: 1:30pm - 3:30pm

Location: Lyons New Media Centre (4th Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Introduction to R Programming](#)

This beginner-level workshop will focus on basic concepts of R programming using R Studio. Various Data Types and Data Structures will be discussed as well as basic data manipulation will be covered during the workshop. No prior knowledge of R programming is required for this workshop.

Date: Wednesday, October 30, 2019

Time: 1:30pm - 3:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Introduction to GIS with ArcGIS Desktop](#)

This beginner workshop introduces the core concepts of Geographic Information Systems (GIS) and geospatial data. Through the use of the GIS software program, ArcGIS, hands-on exercises will incorporate these concepts in the creation of a map.

Date: Thursday, November 21, 2019

Time: 10:30am - 12:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Data Visualization using R](#)

Data visualization is a useful feature to tell stories from large volumes of data. R programming has a set of functions and libraries to visualize large volumes of data. This hands-on workshop will go over various types of visualizations using publicly available datasets. Prior knowledge of R is required to attend this workshop.

Date: Tuesday, November 26, 2019

Time: 1:30pm - 3:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Introduction to GIS with QGIS](#)

This beginner workshop introduces the core concepts of Geographic Information Systems (GIS) and geospatial data. Through the use of the open-source GIS software program, QGIS, hands-on exercises will incorporate these concepts in the creation of a map.

Date: Thursday, January 16, 2020

Time: 1:30pm - 3:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Introduction to Python Programming](#)

This beginner-level workshop will introduce you to the basic concepts of the world's most popular Python programming language. You'll learn to store data in Python data types and variables, as well as learn how to perform operations on numbers and strings. Python IDE Anaconda will be briefly discussed. No prior knowledge of Python is required.

Date: Tuesday, January 21, 2020

Time: 1:30pm - 3:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Tweeting with Python and Pandas!](#)

This session is about using the popular Python package "Pandas" to harvest and clean data. A beginner understanding of python is required or experience with any other programming language.

Date: Thursday, January 23, 2020

Time: 1:30pm - 3:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Creating Storymaps with ArcGIS Online](#)

Learn to tell stories through maps using ArcGIS Online and Story Maps. No prior knowledge of GIS is required.

Date: Thursday, January 30, 2020

Time: 1:30pm - 3:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Spreadsheets 101: : An Introduction to Spreadsheets](#)

In this workshop, which assumes no previous knowledge with spreadsheets, participants will be introduced to the spreadsheet file type including how it works, its main uses, and how to choose the right program for your computing platform and research needs. While the instructor will address different spreadsheet programs, he will be primarily using Microsoft Excel. Participants will also learn about basic research uses for spreadsheets including cleaning and organizing data for a variety of project types, as well as graphing functions. We will also cover basic formulas and additional tools for automating and enhancing workflow, as well as maintaining compatibility with other

software versions where possible. As a part of this workshop, participants are encouraged to bring their laptops and current spreadsheet projects to the workshop and the instructor will assist with any current issues you may be facing with your spreadsheets for the final hour of the workshop.

Date: Monday, February 3, 2020

Time: 12:00pm - 3:00pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Spreadsheets 201: Advanced Spreadsheet Uses for Research](#)

In this workshop, participants will learn about advanced uses for spreadsheets including using spreadsheets to replace other programs and adapting spreadsheets as a custom tool for a given project. The instructor will use a number of examples from his own projects including using spreadsheets as a replacement for transcription software and using spreadsheets for linguistic and textual analysis. We will also look at advanced formulae and how to use them to enhance your workflow and do things beyond what they were originally intended, how to use conditional formatting to speed up workflow, use of PivotTables, and some advanced graphing functions. As a part of this workshop, participants are encouraged to bring their laptops and current spreadsheet projects to the workshop and the instructor will assist with any current issues you may be facing with your spreadsheets for the final hour of the workshop.

Date: Monday, February 10, 2020

Time: 12:00pm - 3:00pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Publishing data and text using github, markdown, and git pages](#)

Let's be honest -- most websites can be a hassle to design and maintain. Alternatively, static webpages offer a more efficient and scalable website management approach. With this approach, users focus on editing content using the simple notation (Markdown) and allow pre-defined templates to do the rest. In this workshop, participants will learn how to develop and maintain static webpages using Github Pages (<https://pages.github.com/>). By the end of the workshop, participants will be able to edit Markdown files in their Github repository to automatically update their personal webpage on Github Pages.

Date: Thursday, February 13, 2020

Time: 10:30am - 12:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Creating High-Impact Figures with Adobe Illustrator](#)

Learn how to turn your Excel data into high-impact figures with Adobe Illustrator. This introductory-level workshop will teach the fundamentals of Adobe Illustrator and how to use this software to modify SVG (Scalable Vector Graphics) files exported from Excel. No experience or software required.

Date: Thursday, February 20, 2020

Time: 1:30pm - 3:30pm

Location: Lyons New Media Centre (4th Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

[Introduction to SQL](#)

SQL is a programming language designed for managing data in a relational database. This beginner-level workshop will show you the basics of creating tables and selecting data in a variety of different ways using Queries. No prior experience of SQL is required although basic knowledge of relational database would help.

Date: Thursday, March 12, 2020

Time: 1:30pm - 3:30pm

Location: Wong E-Classroom (1st Floor, Mills Library)

[Registration](#)

[Printer-friendly version](#) [PDF version](#)

Source URL: <https://library.mcmaster.ca/services/dash/sections/dash-workshops/accordion/dash-workshops>