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CMPT 1521: Google Fusion Tables - Creating Interactive Visualizations and Maps

EFFECTIVE DATE

January 2019

DEPARTMENT

Computers - City Centre

DESCRIPTION

Mapping geo-spatial data is a highly specialized and sought-after skill in today's digital landscape because of the wealth of data available to the public and the effectiveness with which it can communicate and engage online. The skills gained in this course have application in real-world situations in service of more effective communications, advocacy, and marketing goals. Students will learn the basic principles and skills related to interactive point-of-interest and choropleth maps.

CREDITS

0.0

YEAR OF STUDY

N/A

PREREQUISITES

Participants are expected to have Google Drive accounts.

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Find and access geo-spatial data;
- Convert/import data into Google Fusion Tables;
- Generate engaging interactive maps that can be readily shared online;
- Manually create geo-spatial datasets;
- Identify basic HTML related to formatting;
- Customize tooltip appearance and markers; and
- Learn map optimization for mobile devices.

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 0

Lab: 15

Other: 0

INSTRUCTIONAL STRATEGIES

GRADING SYSTEM

Satisfactory/Unsatisfactory

PASSING GRADE

based on 80% attendance

EVALUATION PLAN

None

COURSE TOPICS

- Recognizing and working with geo-spatial data
 - Formatting and cleaning data for effective visualization
 - Understanding data 'types'
 - Visualization best practices
 - Style principles for mapping
 - Optimization for mobile
 - Sharing visualizations online

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

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Downtown campus

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