

TWO WEEK

Summer Academic- Cultural Experience

Computational Modeling & Visualization Camp

INFORMATION ABOUT YOUR STAY

Course Fee 3400 USD

English Course Fee 600 USD

Stevens accommodation based on double occupancy and breakfast/lunch during the course is included in the course fee.

(All costs are approximate, in US dollars and subject to change and just for CANIETI members)
Transportation is extra.

CONTACT

For information on course program and other questions:

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STEVENS
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PROGRAM OVERVIEW

Hosted at the Stevens Institute of Technology in Hoboken, New Jersey, this two week full immersion program is designed to provide students with a hands-on computational experience in:

- 1) Understanding the latest tools for manipulating and visualizing big data with specific implementations and;
- 2) Understanding data mining techniques with real world scenarios from social networks to industrial systems.

PROGRAM FOCUS AREAS

- Data Analysis, Presentation and Visualization
- Introduction to Data Mining Techniques

The course will also cover fundamental statistics, fetching time series data, categorical and spatial data visualization, and customizing plots for publication and presentation.

Along with providing a clear understanding of the latest visualization techniques, an international study program can better prepare students to assume leadership roles in an increasingly interdependent world.

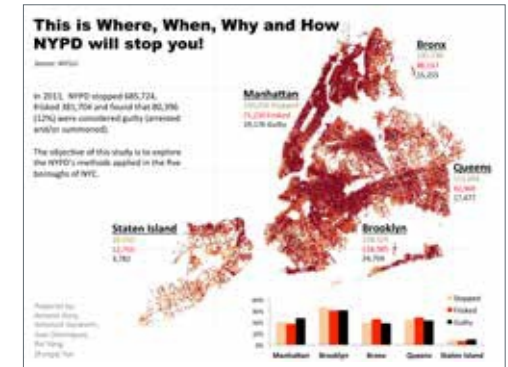
PROGRAM FEATURES

Through the course, students will develop a basic understanding on manipulating a dataset, and on designing, implementing, and analyzing simple real world scenarios.

Additionally, this knowledge will also be complemented with the ability to visualize and interpret data to help in decision making.

The course will be taught in English and will include lectures, hands-on labs, and site visits.

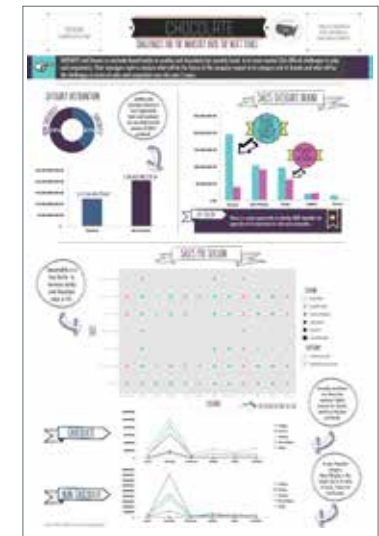
The program will also include cultural visits to several attractions in the New York City Metropolitan area.



PROGRAM REQUIREMENTS

Students should have basic statistical knowledge, basic programming knowledge, and need to be comfortable using computational tools.

Students are expected to perform several inclass exercises. Recent research articles and videos will be used as supporting material. At the end of the course, students are expected to present a poster developed using the techniques learned during the two weeks.



PROGRAM BENEFITS

Students can earn course credits towards their degree while traveling abroad. The course is held in the summer from from July 17th to July 30th so students can reduce their credit load in another semester.

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Refer to <https://sites.google.com/site/dataexplorationandvis/home>