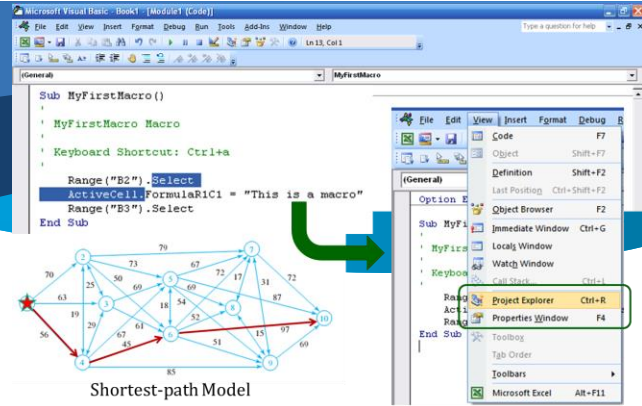


Four-Week Summer Intensive Modeling Workshop for High School Students

June 24 - July 19, 2024

Would you like to make the most of 4 weeks during the summer?
This could be for YOU!



WHAT?

The **Systems Modeling Laboratory for Economic Decisions (SysMoLED)** at the George Washington University (GWU) will run a 4-week summer intensive modeling workshop. This workshop is intended for high school students, G10-12, who have impressive competence in Mathematics and Data Analysis and are interested in expanding their skillset. The contents of this program are:

1. Introduction to Spreadsheet modeling with Microsoft Excel
2. Introduction to Linear Programming
3. Elementary Data Analysis and Programming in VBA and Python
4. Introduction to Artificial Intelligence

OBJECTIVES

1. Learn optimization modeling using spreadsheets and introduction to AI and big data analysis.
2. Enhance the data analysis competency of high school students in the STEM academy.
3. Implement hierarchical mentoring with an undergraduate and/or a Ph.D. student in the cohort.
4. Excite students to pursue degrees in STEM especially in Systems Engineering.
5. Integrate teamwork practices in project-based learning activities.

WHEN & WHERE?

This program will run from **June 24 through July 19, 2024, in-person** on the premises of GW. Interested applicants must possess a computer with internet access. Sessions will run **Monday through Thursday** each week. The schedule for a day is as follows:

- 10:00am-Noon: Morning session
- Noon-1:00pm: Lunch break
- 1:00pm-3:00pm: Afternoon session

Selected participants will also be paid up to **\$800** to cover transportation and lunch expenses.

HOW TO APPLY?

Please, complete the google form here (<https://forms.gle/iZ8i5EjnxDkPy2HR8>) and upload the following:

1. One-page resume
2. One-page expression of interest that addresses the following (attach to the google form):
 - a. Your background and why you are interested in the 4-week long workshop
 - b. Your educational and career aspirations
 - c. **Statement of Commitment** to the entire duration of the program
3. Copy of academic transcripts
4. One recommendation letter (from a past/present teacher or academic/sports mentor).
5. A completed and signed copy of the Enrollment Form in the google form.

Application Deadline: 5pm on May 17, 2024. You will be notified of your acceptance by **May 31, 2024.**

