Report: Introduction to Computational Thinking Across the Curriculum: Agent-based Modeling workshop

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Abstract

An overview of the workshop contents, objectives, dates, instructor and other logistics:
The online workshop spread over two consecutive Wednesdays, October 6 and October 13, 2021, from 1pm–4pm EDT, on Zoom. The main presenter/instructor is Dr Robert M Panoff of Shodor. This workshop is inquiry-based learning enhanced by computational thinking. During **day one**, Dr. Panoff explained the two major types of modeling, agent-based (bottom-up) and system-based (top-down) modeling giving real life examples of each. During **day two** Dr. Panoff mainly discussed about agent modeling environments and the actual building of a model via giving a real-world example of the spread of covid-19.

Details on how the workshop information will be used in your classes:
I will use those agent-based model into my AI classese including how pandemic spread model will work on specific pandemic such as Zika virus or covid.

Any contracts or opportunities that you plan to follow-up on
Will be interested in explore more research projects related to pandemic spread model

Status of your classroom HPC efforts
I am integrating HPC in my AI classes via CodeOcean and Colab. I am planning to integerate more HPC into my classes