Hack OHI/O Challenge: Campus Energy Dashboards

Challenge: Build an energy dashboard to be displayed on a lobby screen for different types of buildings using ENGIE's energy data.

Description: Utilizing any of the datasets provided, or after asking an ENGIE mentor for a different dataset if you have a specific building you are interested in, generate informative, thought-provoking, and aesthetically-pleasing dashboards for at least one dormitory and one non-dormitory OSU building to be displayed on screens in the lobby of the buildings on campus. These dashboards will be replicated with the same data amongst other buildings of the same type (dorm or non-dorm), so design them to be an example that serves as a template for other buildings as well. They are to be engineered with the goal of bringing attention to energy trends and inspire behavioral change of students and users of the building, so keep the objective of sustainability in mind during your dashboard creation! What messages, graphics, and types of data will impact students who live in dorms walking into their lobbies to reduce energy consumption? How can we leverage the datasets we have at our disposal to inform users of buildings on campus of energy trends and promote sustainability? What does a successful energy dashboard look like? Feel free to include a description along with your dashboard to explain your concept if you would like in addition to the images of at least two dashboards you have created.

Github link for example datasets: https://github.com/sbuckingham/HackOhio22

Primary Objectives:

- Analysis of Ohio State University building energy trends utilizing datasets
- Awareness-raising for on-campus energy use
- Promote behavioral change to reduce consumption

Prizes:

- 1st place: $300 total in Visa gift cards to be shared amongst team members (three team members on winning team = 3 $100 Visa cards, 4 team members on winning team = 4 $75 Visa cards, etc.) and a chance to interview for student intern positions with ENGIE Campus
- 2nd place: $150 total in Visa gift cards to be shared amongst team members