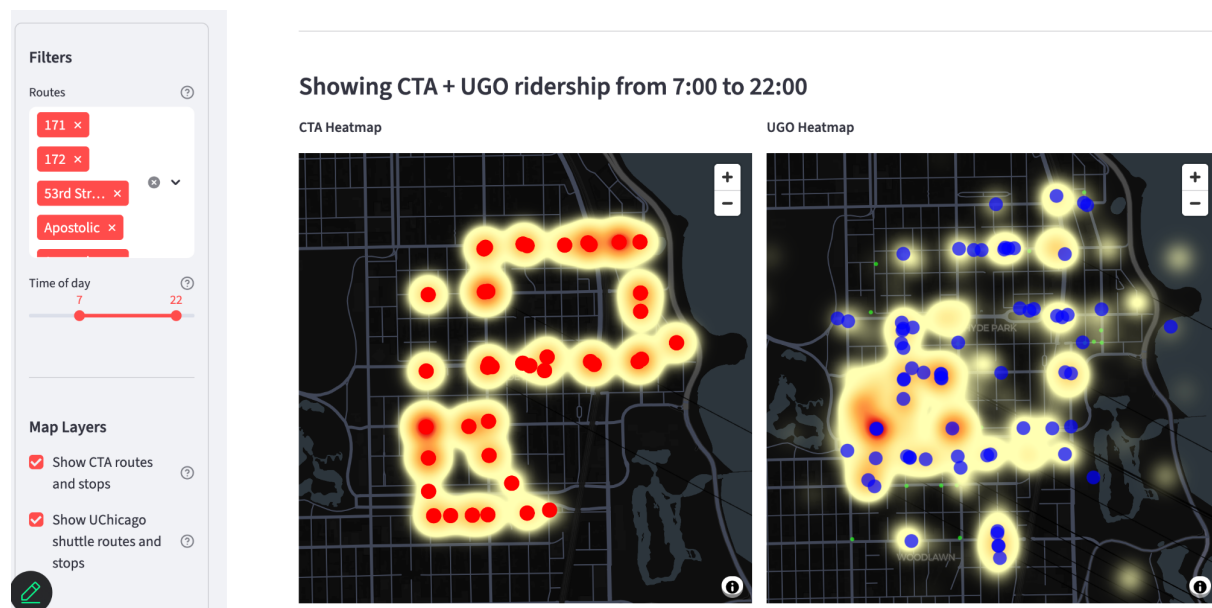


The University of Chicago Transportation handles transportation options around the UChicago campus, including UGo shuttles and Via rideshares. They work with the city of Chicago to manage public transportation resources on campus. Earlier this year, the CTA fiscal crisis created concerns about potential service cuts to the 171 and 172 bus routes. UChicago Transportation asked the Data Science Clinic to design a dashboard with a heat map displaying the ridership on both the CTA routes and the UGo routes. With this dashboard, UChicago Transportation hopes to identify high-traffic stops and areas underserved by the UGo shuttles that may require further attention if the cuts do occur.



The team collected data from both UChicago and the CTA and linked the data to the final dashboard, as seen above. Based on the data, the team also made recommendations to UChicago Transportation, including adding a new morning shuttle route on Hyde Park Boulevard and increasing shuttle densities on campus in the afternoon. The dashboard will enable the UChicago Transportation team to conduct additional analyses efficiently, with filters allowing users to view specific weekdays, times, routes, and more. This flexibility opens the door to customizable visualizations that enable data-driven decision-making.