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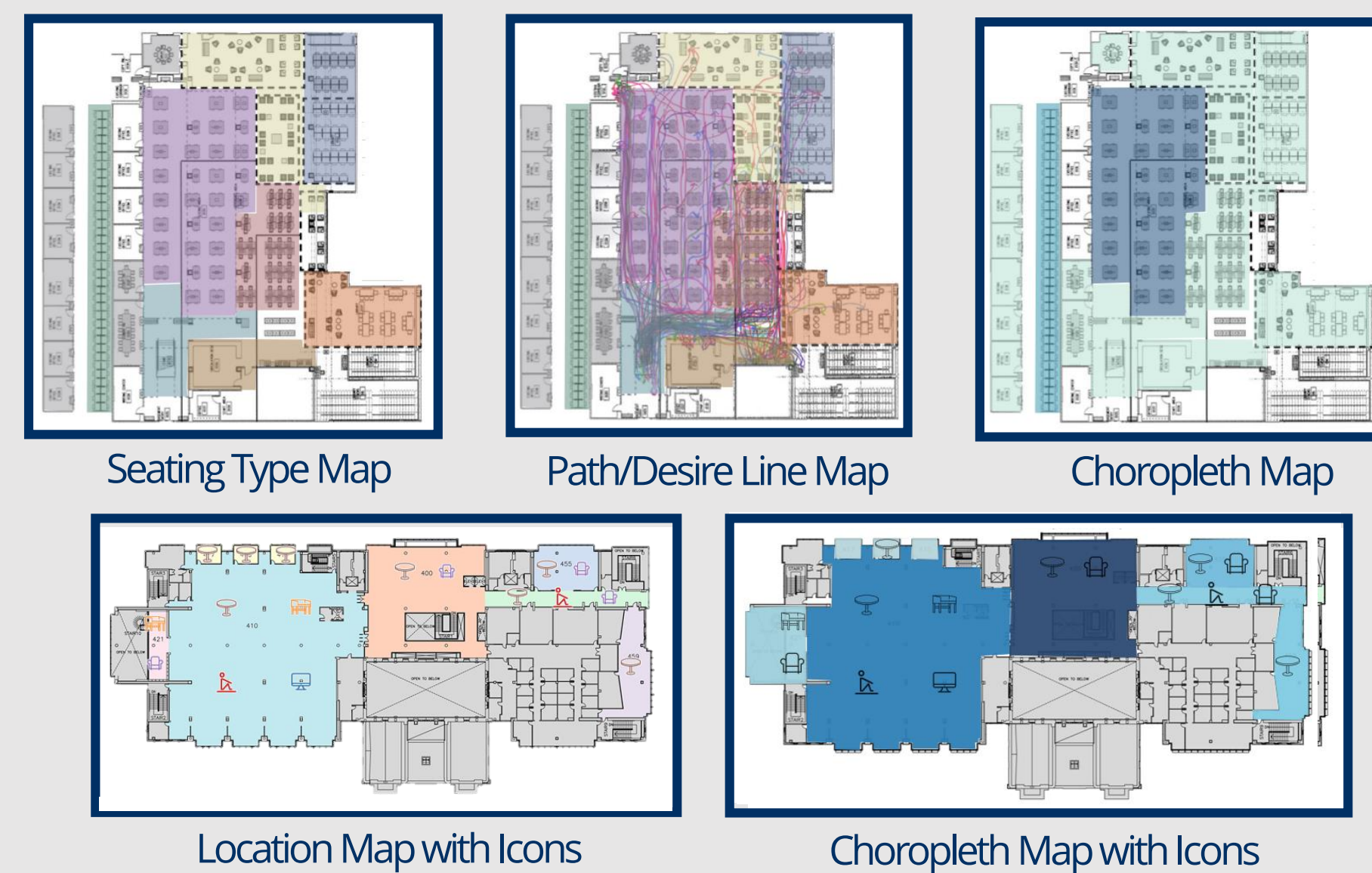
Using Interactive Visualization to analyze Space Assessment Data



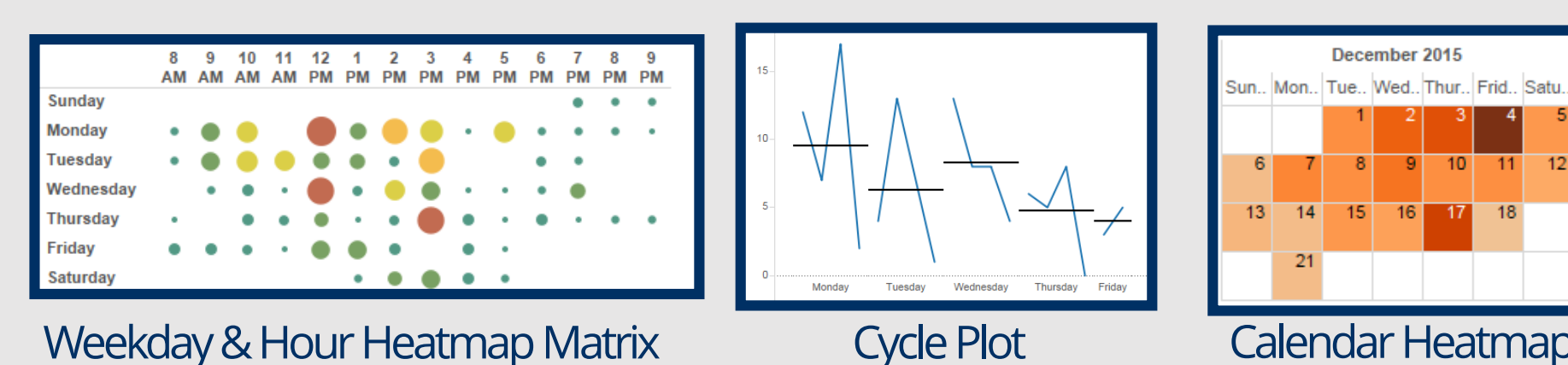
Want step-by-step instructions?
Consult the handout at
visualibrarian.wordpress.com

Key Questions

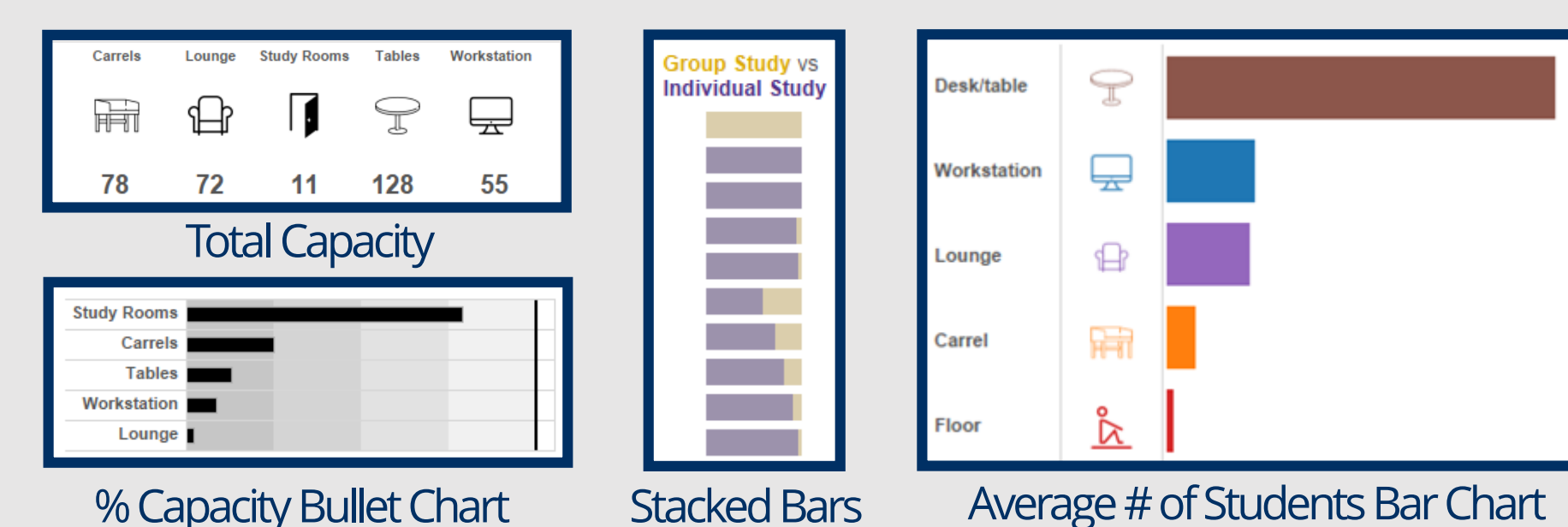
Where are students in the library?



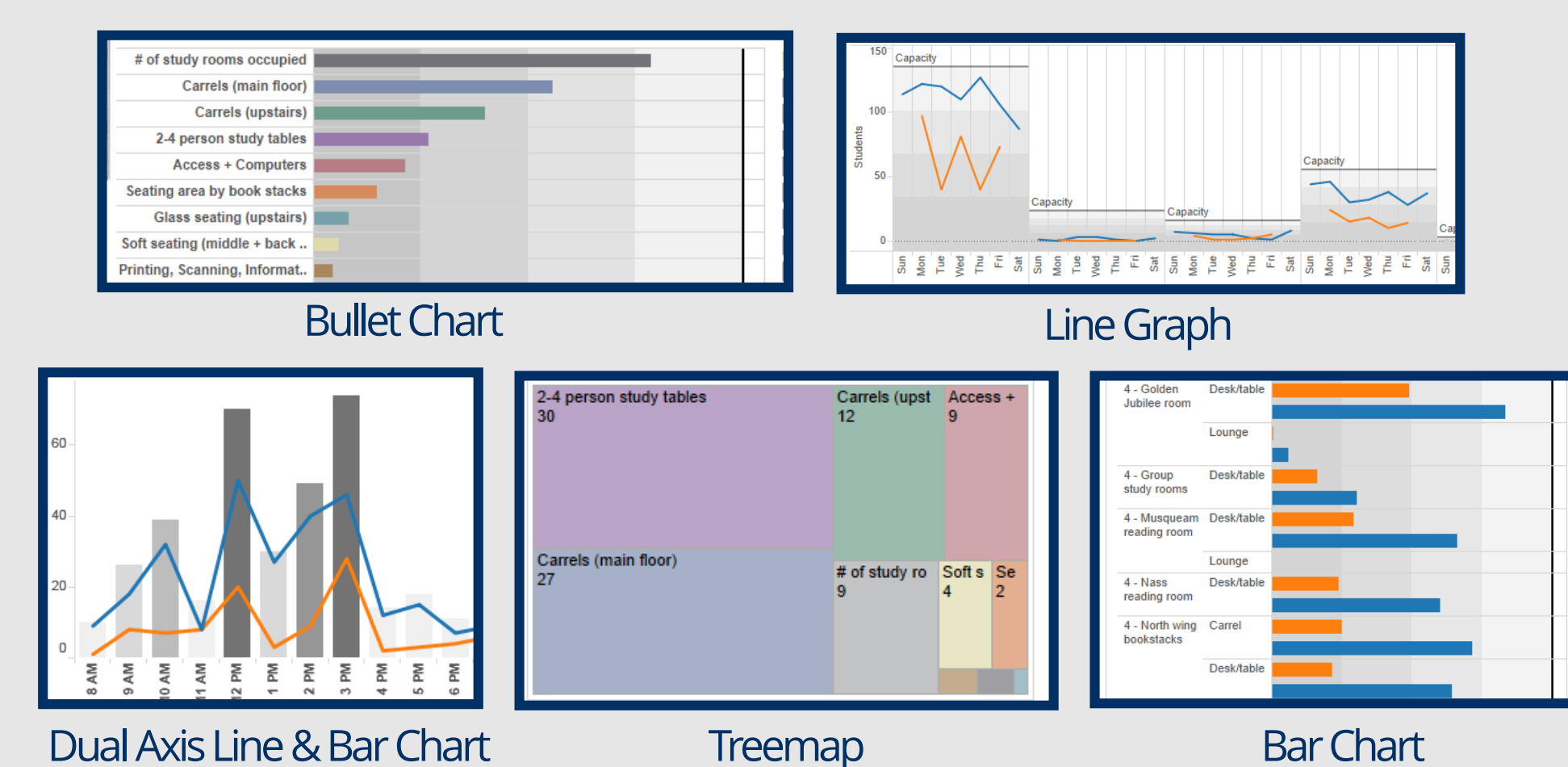
When are students in the library?



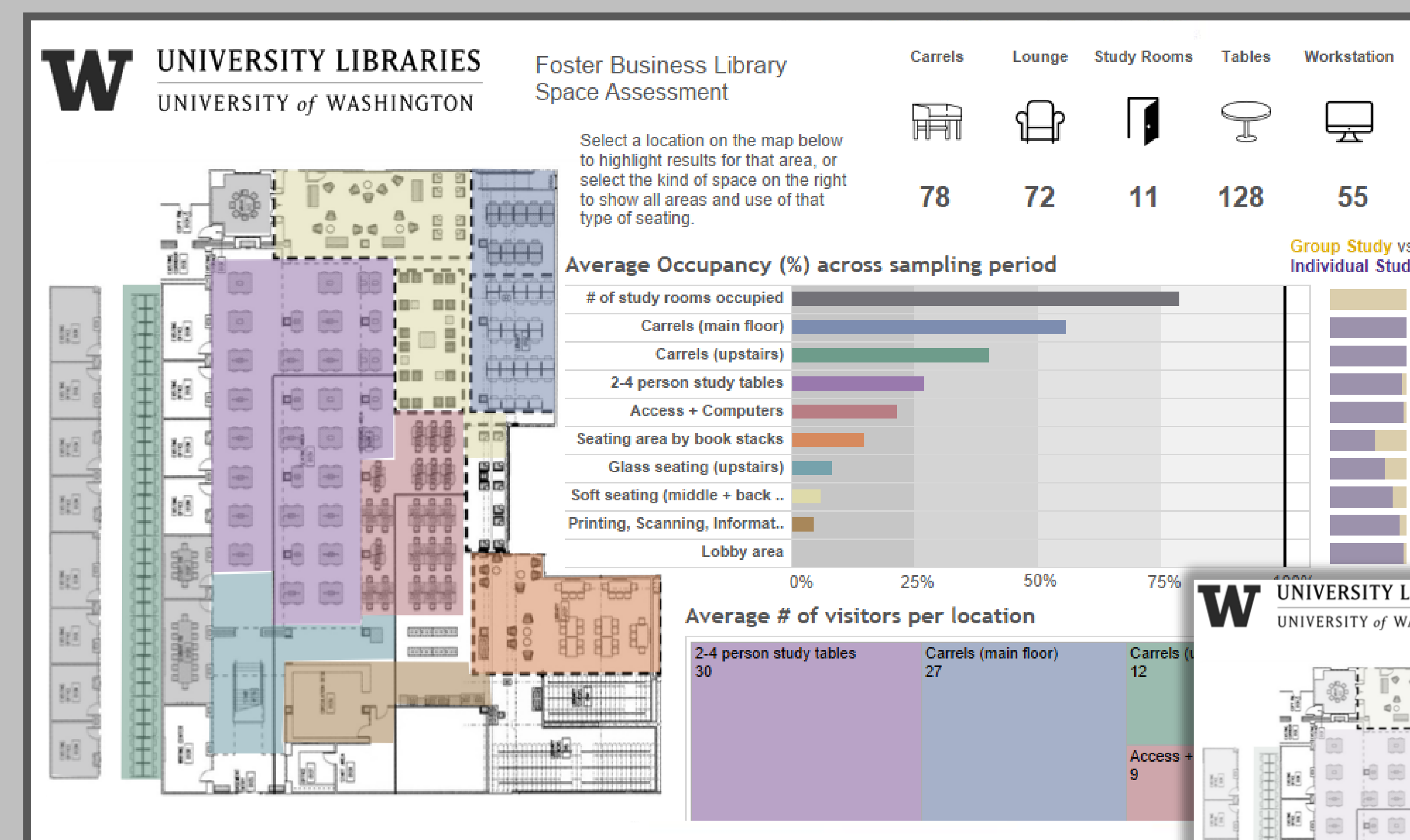
What facilities are students using?



How busy/how full is the library?

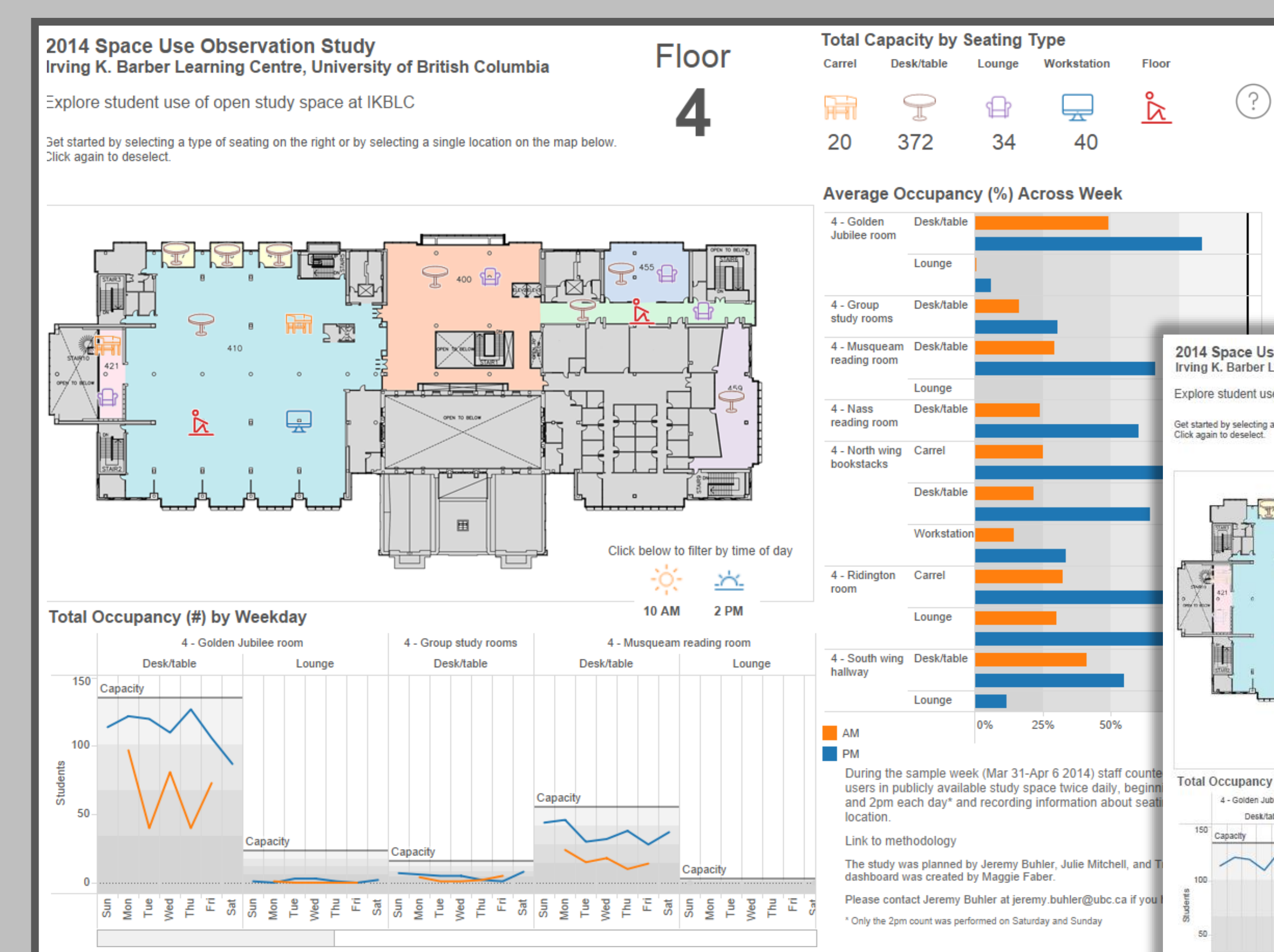


Dashboard Functionality



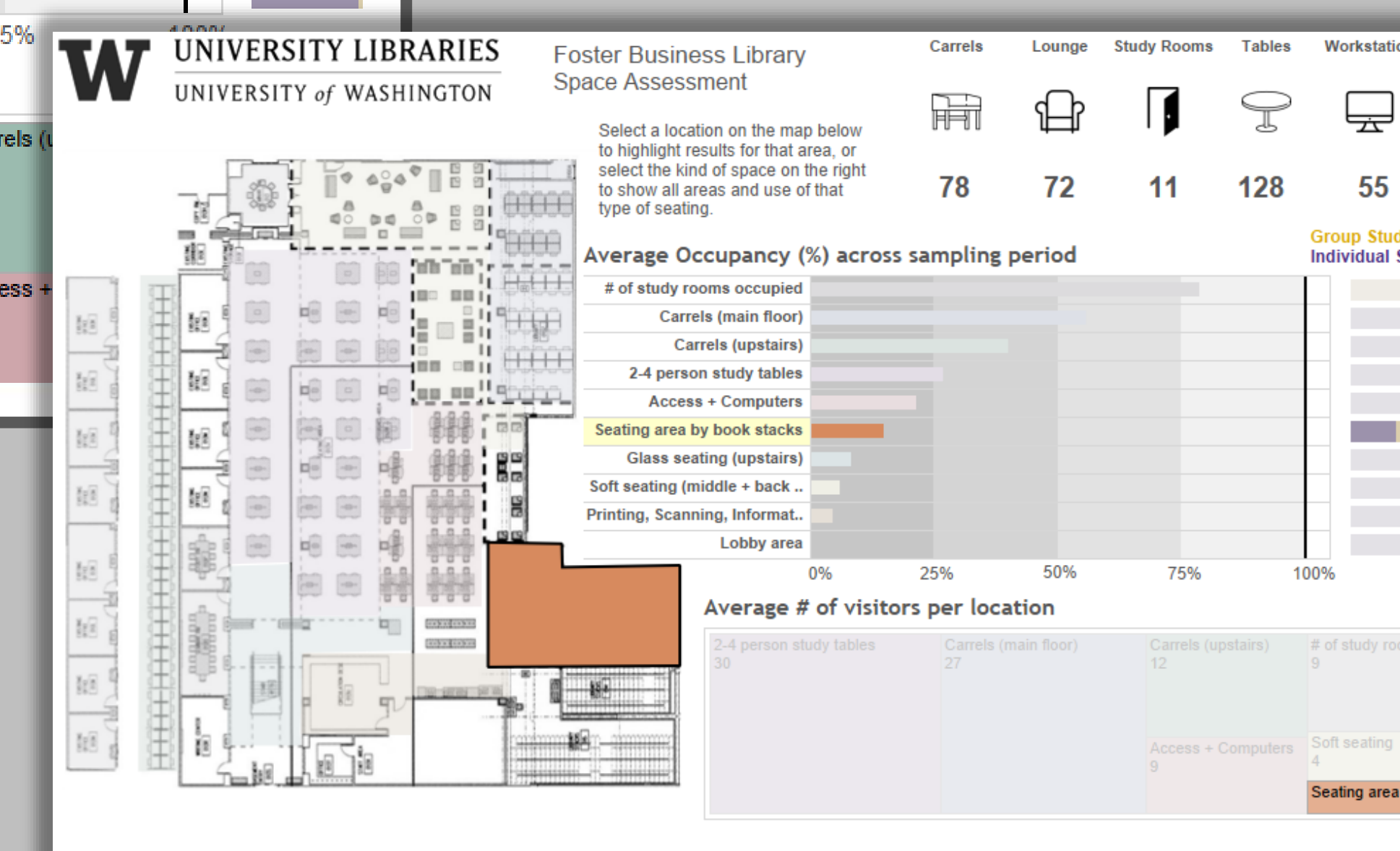
Interactive Features

- Select a map location to highlight or filter supporting charts
- Choose a seating type to highlight on map or a time of day to filter charts
- Select any chart to highlight location, seating type, and capacity



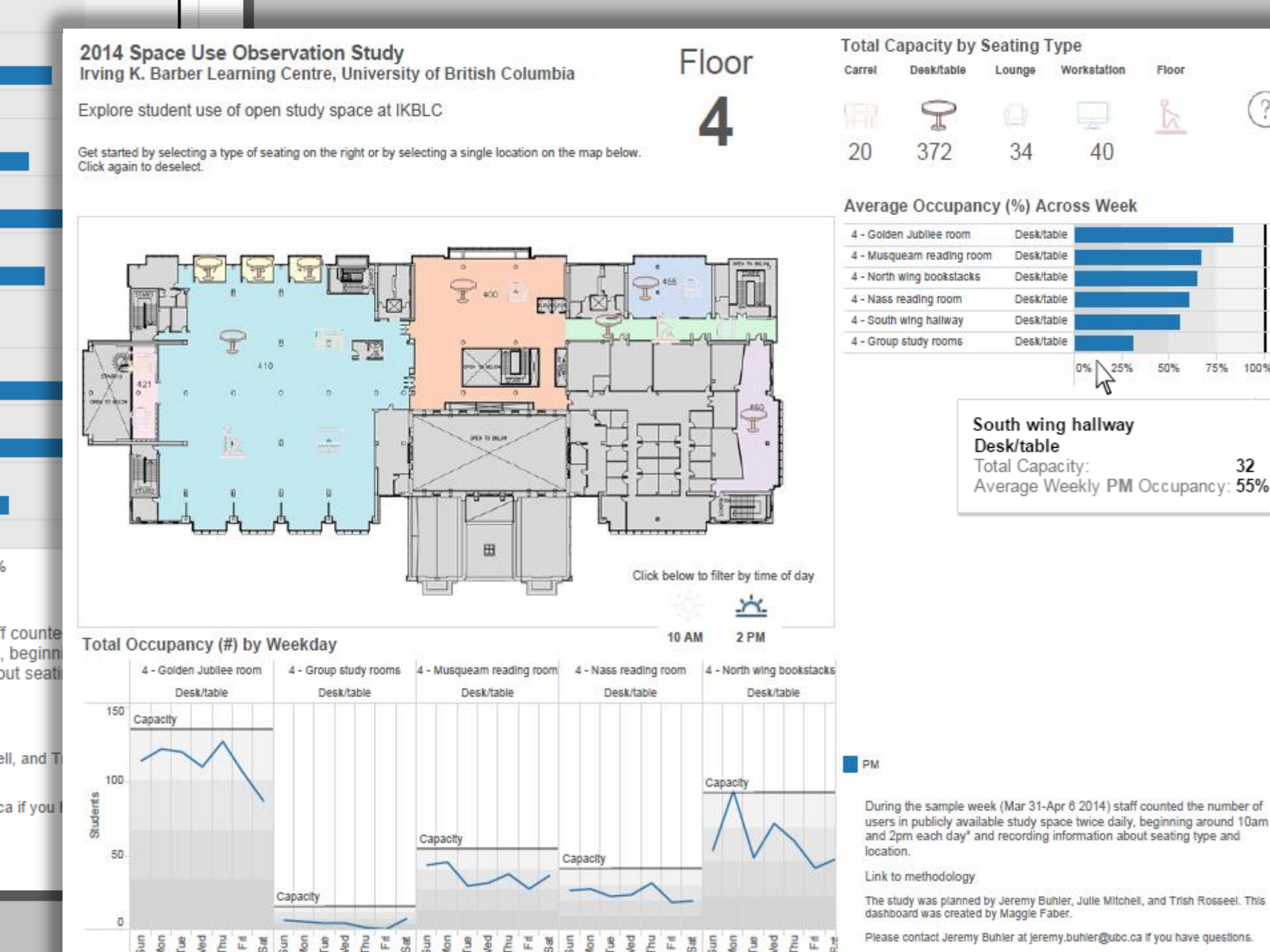
Design Features

- **Map** by seating type or location
- **Average %** occupancy and **total #** of visitors
- Breakdown by activity or time of day



Designing Interactivity

- Use **highlighting** to provide context
- Use **filtering** to reduce complexity
- Provide details on demand with **hover**



Key Steps

1. Determine what questions you need to answer to help guide your data collection
2. Map out library areas according to seating type or location
3. Gather any supporting data you already have, such as seating capacity, and assign to mapped areas
4. Collect observation data within mapped regions
5. Use polygon tool to trace coordinates of map
6. Blend all data sources on the "Location" field and build the desired visualizations
7. Use the questions identified in Step 1 to guide your decisions about visualization chart types and features
8. Drag map and desired charts into a dashboard
9. Program interactivity (highlighting, filtering, or popups) using Dashboard Actions

Tip! Keep naming consistent between your map, your data collection tool, coordinates, and supplementary data