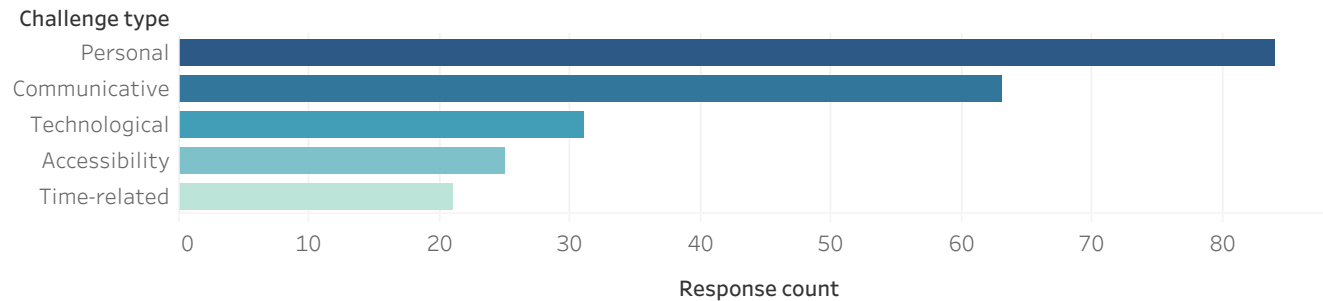


## Challenges Associated with Online Classes



This bar chart displays the type of challenges participants encountered in online classes. Personal challenges included "decline in concentration or motivation and other mental factors." Time-related challenges included "time zone differences or changes to regular class times and deadlines."

"What aspects, if any, of in-person classes did you miss this spring?"

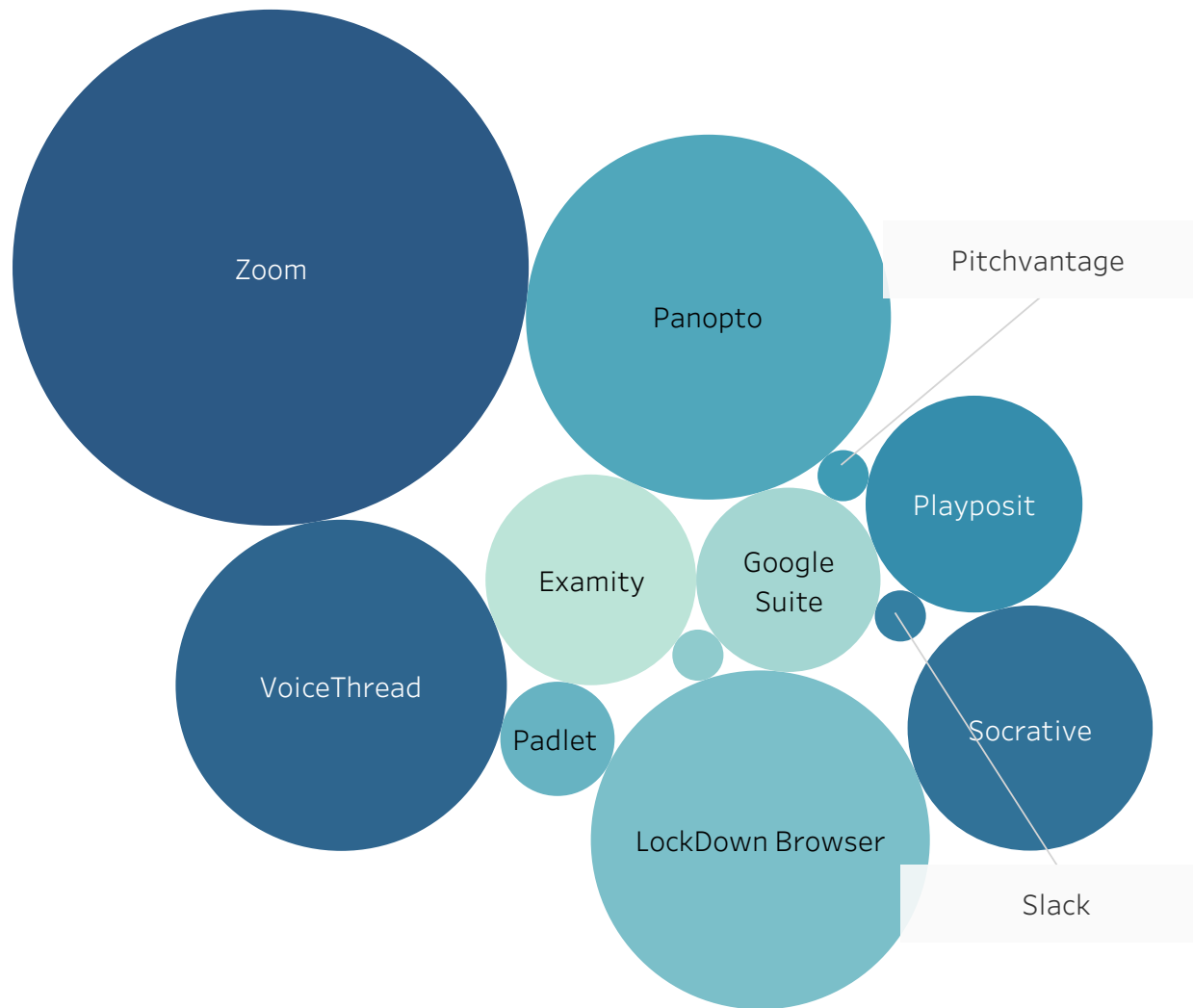


The word cloud visualizes the frequency count of common words used by participants (n=103) in response to the question above. Analysis reveals the following themes:

- 1) social interaction:** person, face, friends, interact, meet
- 2) learning environment:** campus, schedule, environment, office, walk
- 3) personal affect:** motivation, hard, focus, engagement, able

Isolation and communication difficulties (social interaction) encountered in online classes may pose the largest problem among students. Decreased morale (personal affect) was also frequently cited.

## Digital Tools Used in Online Classes



"I didn't enjoy the test taking software because it felt a bit invasive, specifically Examiity." —Sophomore

"For every class that transitioned online, all of them had different methods of delivering lectures. If it could be standardized, it would alleviate some of the stress." —Junior

The bubble chart visualizes the prevalence of different digital tools used in students' online classes. Larger bubbles correspond to higher usage rates among students. The count for each tool can be viewed by hovering over the bubble.

Many participants expressed fatigue towards Zoom due to its overwhelming prevalence and instead showed preference toward online forum-style messaging tools, such as Slack. Other common sentiments are represented by the quotes on the right hand side.