Who`s in?
Studio Tracking via Wlan-Accesspoints
Summer Semester 2018

The faculty of architecture has a variety of different studios for students - from small to open plan offices. The size of the studio depends on the semester projects, that were offered by various chairs. Each of them wants to get sure, that the semester project guarantees the right number of workplaces for the registered students. Once the chairs know the number of the interested students, they inform the deanery of their need. Obviously some of these required workplaces are not used during the semester, while other chairs possibly can`t offer any workplaces to there students. The aim is to avoid this **imbalance of demanded and actually used workplaces**. The number of students can be tracked via their login into the Wlan-Accesspoints, that are installed in or close to each studio. Realtime data on all the accesspoints is accessible via [http://wlan.lrz.de/apstat/](http://wlan.lrz.de/apstat/).

The goal is to analyse and evaluate the enormous amount of login-data. The result of used and not-used studios should be carved out by suitable visualizations in 3D/ 2D (with a building model), that demonstrate the frequency of the different rooms, the location of the accesspoints and their connection with each other.

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**Resources**
[http://wlan.lrz.de/apstat/](http://wlan.lrz.de/apstat/)