

Week Two Tutorial Problem

On college campuses, planners often use parking lot designations to discourage first year students from bringing personal vehicles to campus. This aims to encourage students to spend more time on or near campus, and also to encourage ridesharing with friends or with public transportation when exploring the region.

Identify the parking lots on the Middlebury Campus that could be used for parking by the 225 students in Battell Hall.

The parking lots should be large enough to accommodate one car per dorm resident, but they should require the students to walk at least a $\frac{1}{4}$ mile from the dorm to access their vehicles.

In your model, use the American Planning Association's recommendation that parking lots should allocate 300 square feet of space per car (this includes space to park the car and also for the lanes to access the parking spot).

GIS

ArcGIS

Data

campus_parking

frosh_dorm