Tree canopy height model
Central campus, University of Kentucky

Canopy heights derived from NAIP 2018 aerial imagery and 2010 lidar point clouds. An NDVI value of >0.05 was used to filter vegetated areas. A height model was calculated by subtracting the Digital Elevation Model from the Digital Surface Model (DSM - DEM). Areas with vegetation over 5 feet in heights were classified in five categories.

Data acquired from KyFromAbove and kyraster.ky.gov. Analysis made by jenningsredford for GEO 409, Spring 2025. Department of Geography at the University of Kentucky.

Estimated tree canopy height in feet

>5   >15   >25   >50   >140

0   50   100   200   300   400   Feet

Map labels: S Limestone St, Administration Dr, Avenue of Champions, Blazer Dr, S Martin Luther King Blvd, Lexington Ave, Patterson Dr, Rose St, Columbia Ave, Sorority Dr, Funkhouser Dr, Graham Ave