Final Project - GIS

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Using the lidr package by J.-R. Roussel for processing LiDAR data and creating a forest microclimate model.

For information see the book (https://r-lidar.github.io/lidRbook/index.html), the package documentation (https://cran.r-project.org/web/packages/lidR/index.html) and also this publication (https://www.sciencedirect.com/science/article/pii/S0034425720304314).

Read las file

```
## class : LAS (v1.3 format 1)
```

memory : 2 Gb

extent : 477500, 478217.5, 5631730, 5632500 (xmin, xmax, ymin, ymax)

coord. ref. : ETRS89 / UTM zone 32N

area : 0.55 km^2

points : 26.35 million points## density : 47.7 points/m^2

Create a canopy height model (CHM)

```
#
```