Open cloud

Normal Calc

-Normal Est OMP

-PCA

-k-d Tree

Segmentation

- -K-d Tree
- -Pass Through
- -RegionGrowing
- -Remove on Verticality
 - -Ransac Plane
- Remove Cluster on size
 - -Extract indices
- -get Hor clusters
 - -filter Hor clusters by max and min
- -return extent clusters

Vector to cloud

-loop of filter by indices

Get boundaries of segment

- -Bounding box
 - -Moment Of Inertia Estimation
 - -OBB

Extract Corner Points

- -fit plane
 - -Ransac
- -Angle Between Planes
- -Plane with Plane intersection
- -Project
 - -Distance to line
 - -Project point onto line

Create OBJ file

Write Cloud file

Viewer