

Smeak Robot Project

In panthers helpers src directory (Panther_helpers/src) simply run :

```
python3 downsample.py
```

The code will now create another point cloud with lower point count based on a leaf size. The default value is 0.05 . The higher value will remove more point while lower value will preserve more point in the cloud.

To save a bag file with the down sampled point clouds run the following ros2 bag record file.

```
ros2 bag record -a --exclude /panther/velodyne/velodyne_points
```

Meanwhile if you like to visualize all of the odometry and IMU values running (with or without bag files) you can run the odom_viz.py in src directory by simply running

```
python3 odom_viz.py
```