**How to start:**

\*python 3.11

Open cmd in this dir

virtualenv venv

venv\scripts\activate

pip install -r requirements.txt

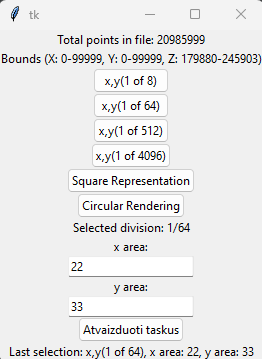
upload the .las file to this directory

set the name of the .las file to the field at the bottom of the code - viewer = LASViewer(root, **"2743\_1234.las"**)

open “3d atvaizdavimas” in code editor and run the code

**How the code works (instruction):**

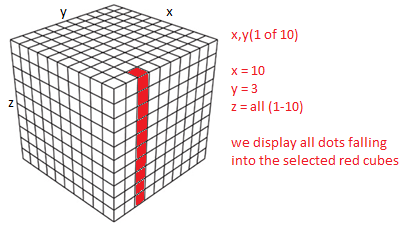
After running the code, you should see a tkinter table with the amount of points in the .las file, the smallest and largest x,y,z values, and last review information.

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select how many parts you want to split the x,y matrix into.

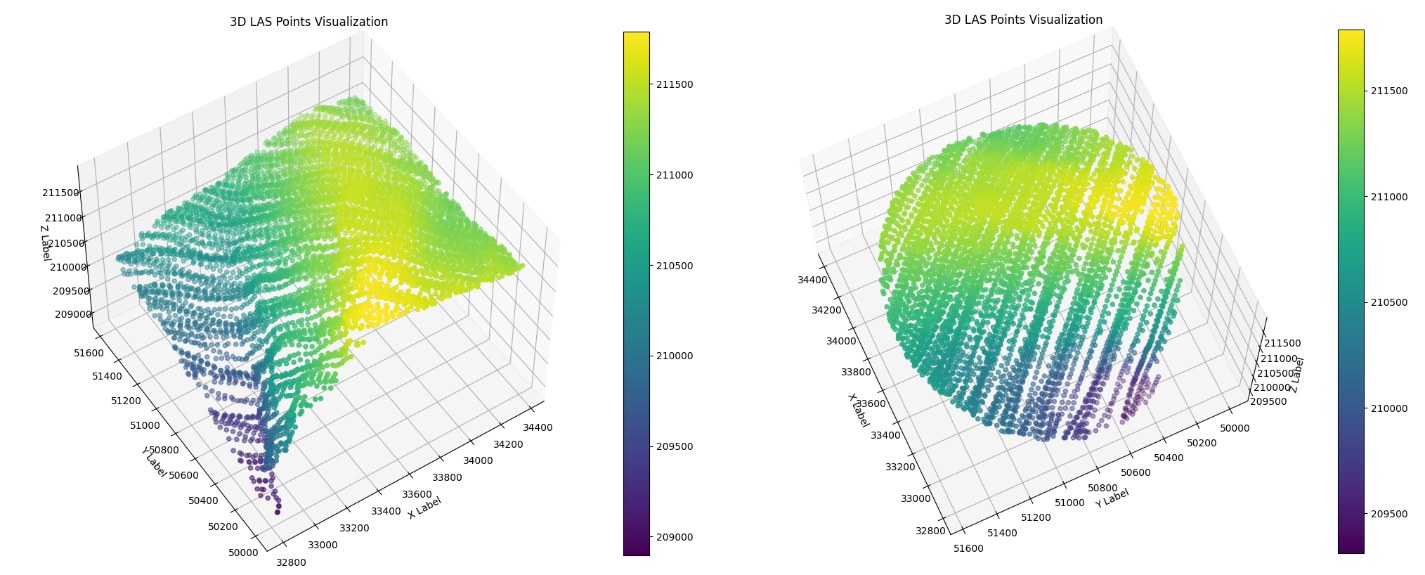
select which x,y section you want to display. All z values falling within the selected space will be displayed.

An example selection looks like this:



After submit you have to see a 3d photo with the selected point rendering.

You should get a similar image:



in the example (Square Representation and Circular Rendering) differences.

technical issues:

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backup:

<https://github.com/vytautasskipitis/Matom-AI-task>