

Input:

Distances from voxels to road (list of floats)

Distances from voxels to train (list of floats)

Pseudocode:

#adding the two values together (with weights)

for each distance in RoadDistances:

$\text{sum} = \text{weight1} * \text{RoadDistance} + \text{weight2} * \text{TrainDistance}$

`sums.append(sum)`

#normalizing the values

`lowestvalue = min(sums)`

`highestvalue = max(sums) - lowestvalue`

for each sum in sums:

$\text{normalizedvalue} = (\text{sum} - \text{lowestvalue}) / \text{highestvalue}$

`SoundValues.append(normalizedvalue)`

Output:

List of float from 0.0 to 1.0 indicating how much sound a voxel receives (higher value = more quiet)