

Explain Part 5

After only 20 examples, my learned function will not yet look like the target function because the number of example is not enough to get better result since it cannot visit every tile. After I plot the graph for f_{20} , most of the place was looks like flat. However, there are three peaks, but one of them are not high and there are seven valleys. I cannot give you exact number of the highest or width but I can say that, being high or deep means that those tiles are visited a lot more than the flat tiles. I said there is one hill which is not high because those tiles that the hill placed were not visited a lot compare to other hills. This rule applicable for the valley as well. The width depends on the how many distinct tiles are visited.

Instead of 11x11 tiles, using 11x21 tiles will give more accurate plot since there will be more grid the number of visiting in one tile will be less up to its value. We can think it as pixels, if there are more pixels in a photo we will have more accurate and beautiful result.