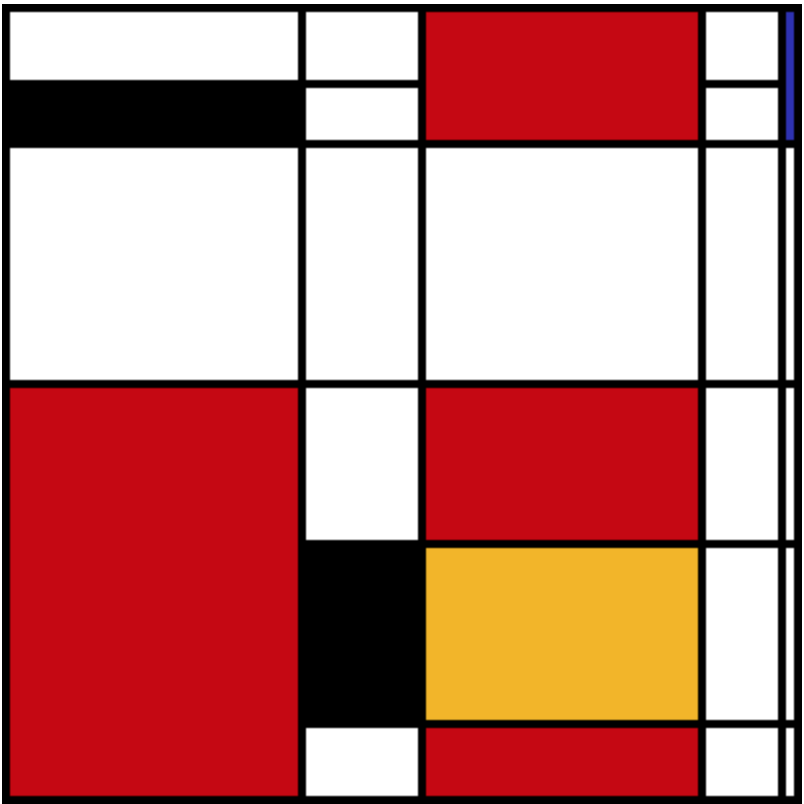
James Young

12.02 Assignment

November 12, 2019

Artwork Name: Confusion (Mondrian Art Style)



* **Explain how you used the principle of recursion to create your image.**

This image demonstrates the principle of recursion as the whole image is a square broken up into smaller squares of different sizes and colours.

* **Briefly describe a plan for how you might write a program to produce Mondrian art.**

First, I would set up the size and width I would like the whole image to take and have it make the shape of a square or rectangle. Then, I would use the principle of recursion by using a for loop and randomly generated numbers to fill in the shape with rectangles that are smaller then the width and length of the entire shape.

* **Who should get the copyright credit for a piece of computer art: the CPU, the software, or the programmer? Explain your reasoning.**

The programmer as the programmer is the one who designs the idea whereas the CPU and software are simply his tools. It is the equivalent of saying the artist of a painting deserves copyright credit over his paintbrush as his paintbrush was merely his tool .

* **If a computer, with no human intervention, produced Mondrian art indistinguishable from an original masterpiece, would it be a sign of artificial intelligence?**

Yes, as artificial intelligence is meant to mimic human thinking, so having the ability to create art in a specific art style is a sign of artificial intelligence.

* **If a computer, with no human intervention, produced Mondrian art indistinguishable from an original masterpiece, would it diminish the accomplishments of a human?**

In art, the idea of originality is incredibly important. When we look at anything original such as a childhood stuffed toy, it has a special “aura” to it. If someone were to make an identical copy of the stuffed toy and let people choose between the copy and the original, virtually everyone would choose the original, as there is this emotional connection between the object and the person. Similarly in art, everyone wishes for the original intervention rather than a forgery such as a computer generated copy. The original copy of the art creates an emotional connection between the viewer and the artist, as if they contain the essence of the artist, or the artist’s mind. This is why people would pay billions of dollars for the original Mona Lisa when there are hundreds of identical cheaper versions of Mona Lisa.