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Github Link:
https://github.com/ydl0532/DATT3400/tree/main/Unique%20randomness%20homework

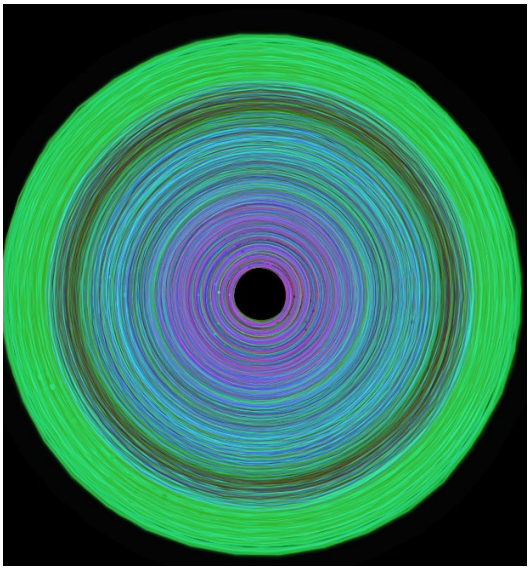
Part1:

I used the top Ontario baby name (male) provided by the Ontario government . This csv file records all male names and name frequencies from 1917 to 2023, a total of 84,247 names. I reordered and intercepted the most frequent 2000 (didn't care about the year) as my dataset for this project.I chose this interesting data because my name is unique I wanted to see if there were any like it (there aren't) and I think I chose it uniquely I wouldn't have gone with something like finance or something like that that the average person chooses.

Part2:

I created a pattern similar to tree growth rings after completing my dataset. Using map(year, 1917, 2023, 0, 360), I assigned different colors to various eras. Earlier years are presented in soft, muted tones to symbolize history, while recent data bursts with bright colors to show vitality. The frequency of names is represented through variations in the size of halos. The ripple distortion intensity and motion paths change randomly, creating visual effects similar to Brownian motion. Each playback produces different effects but ultimately forms a circle. Through my work, I hope viewers can find their own ring and understand that regardless of age, name, or uniqueness, we all live together as humans.

Part3:



Reference

Ontario top baby names (male): https://data.ontario.ca/dataset/ontario-top-baby-names-male