**ISTE: 782**

**VISUAL ANALYTICS: ASSIGNMENT 1**

**Part 1:**

In my opinion, yes, I think the paraphrase shown in Step 2 is plagiarism of the literature source text in Step 1. I feel this way due to following reasons. Beginning with the **first sentence** it can be noted that the source text in step 1 is directly addressed as step 1. Changing words such as (rise- increase), (expansion-explosion) is not making the source text in step 2 exclusive. Moving on to the **second sentence** tells us that the author is just trying to make an attempt to show his text unique by altering few words. Lastly, by reading the **last sentence** we can conclude nothing different can be pointed out, the flow, pattern remains the same as the source text in step 1.

**Paraphrased:**

With industry came urbanization the development of enormous urban communities like Fall River, Massachusetts which turned into the hub of creation just as of business and exchange. The three extraordinary improvements of late nineteenth century of the American history were: The hike of industry, the development of urban areas, and the extension of the inhabitants. Homestead hand were changed into modern workers and occupations were given to a growing surge of newcomers. And this was as a result of the new bigger steam-controlled production lines turned into a trademark of the American perspective in the East.

**Part 2: Summary**

The review focuses on different methodologies of network theory in order to change our perspectives towards cell biology and by recognizing the cells development. The main focus of the research is to assist with understanding the huge scope attributes of cell organizations. Quick advances in network biology demonstrate that cell networks are administered by all-inclusive laws and provide another calculated structure that could possibly alter our perspective on science and sickness pathologies in the twenty-first century. The basic network nomenclature states that at a profoundly theoretical level, the parts can be decreased to a progression of hubs that are associated with one another by joins, with each join addressing the communications between two parts. There is an obvious need to see how these particles and the connections between them decide the capacity of this tremendously perplexing hardware, both in disengagement and when encircled by different cells. Moving on, another dialect has been made, which permits the cell's sub-atomic cosmetics to be examined as an organization of cooperating constituents, furthermore to detect and measure the exchange between conduct, construction and capacity. It is difficult to disregard the obvious all-inclusiveness we have seen by diving into the entirety of pairwise communications among the different particles of a cell. Rather than possibility and irregularity, we have viewed as a serious level of inner sequence that administers the cell's sub-atomic association. It is currently obviously perceived that most cell capacities are done by category of particles inside practical modules. These modules are not detached from one another; they collaborate and regularly cross-over. What usually is missing is an all-around created system in which such clinical information can be utilized to distinguish modules that are obsessively adjusted in a given illness state. Future advancement is normal in numerous bearings, going from the advancement of new hypothetical strategies to portray the organization geography to bits of knowledge into the elements of theme groups and organic capacity. Network biology offers the chance of concurrent advances in the next few decades.