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**Program Structures & Algorithms**

**Spring 2021**

**Assignment No. 2**

* **Task**

Use Insertion Sort to measure the running time of random array, partial-ordered array, reverse-array and ascending array.

* **Output**

**Text

Description automatically generated**

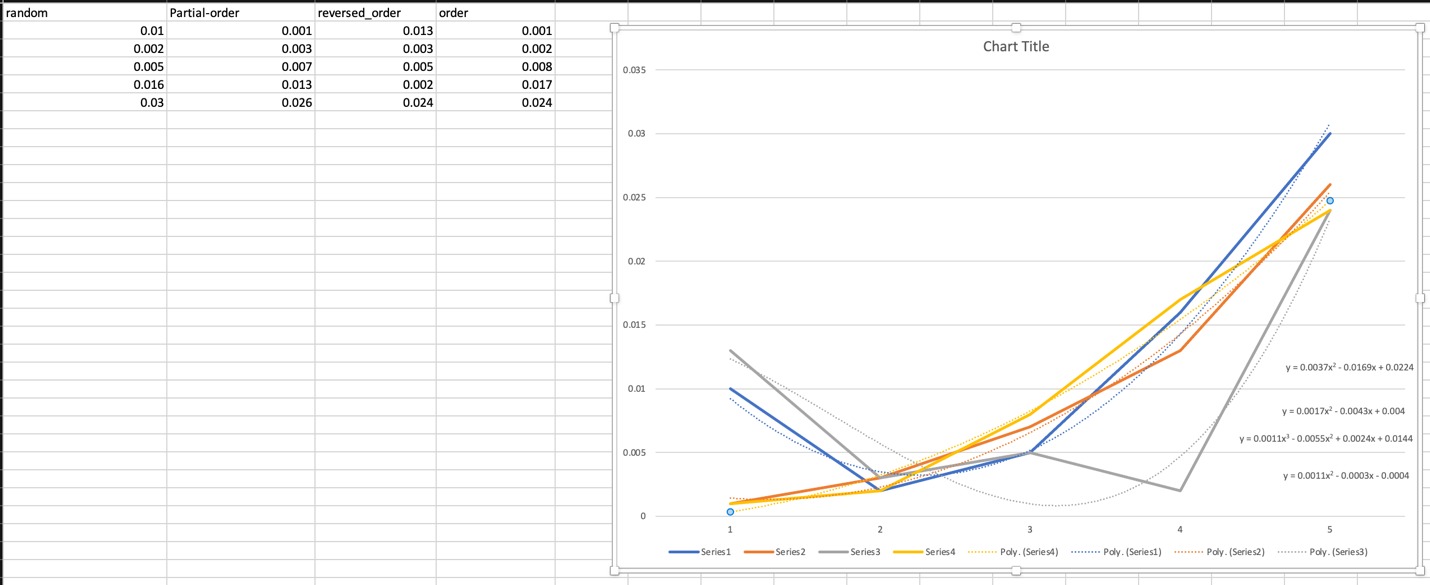
* **Relationship Conclusion:**

Normal Order array perform the best and reverse-order array perform the worst.

* **Evidence to support the conclusion:**

I added a trendline and I found out the power function is the most fit function for this plot.

* **Graphical representation:**



* **Unit tests result:**

Graphical user interface, application, Teams

Description automatically generatedGraphical user interface, application, Teams

Description automatically generatedGraphical user interface, application

Description automatically generated