

LAB REPORT : COMPSCI 2XB3

LAB SECTION – L02

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Submitted By –

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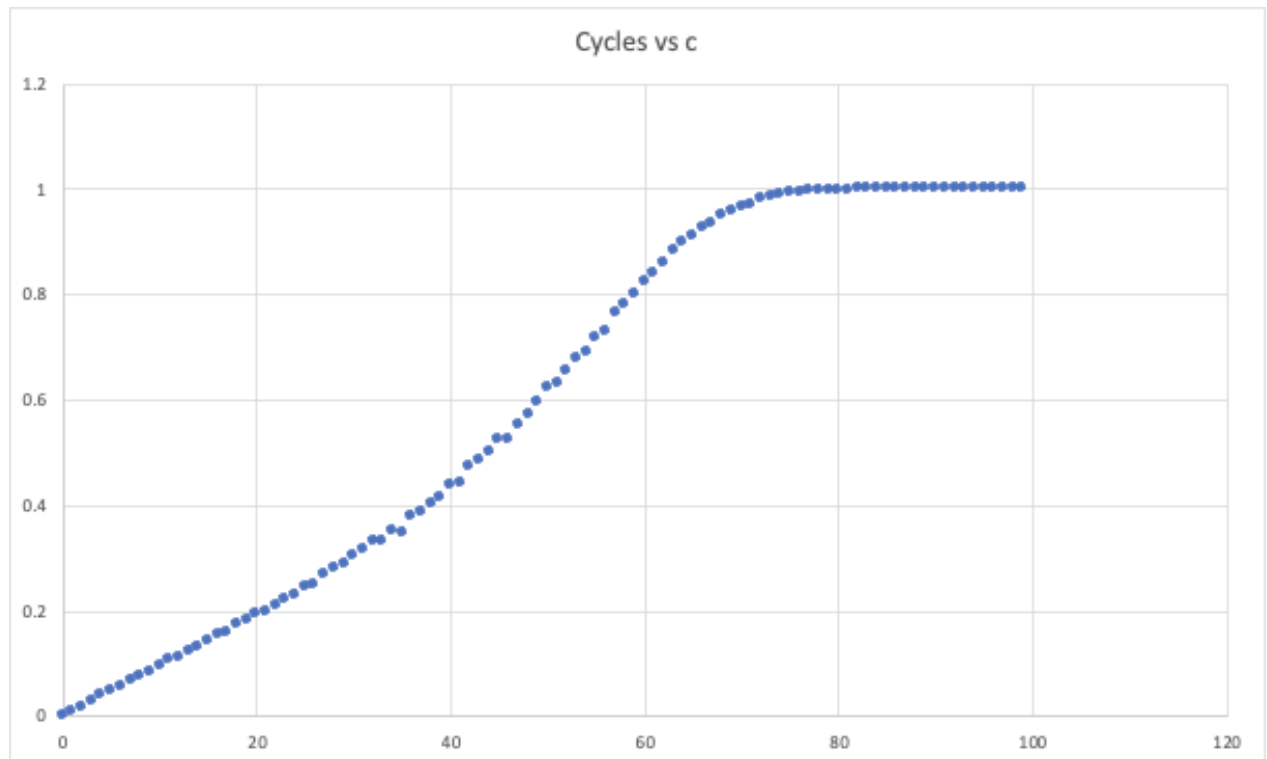
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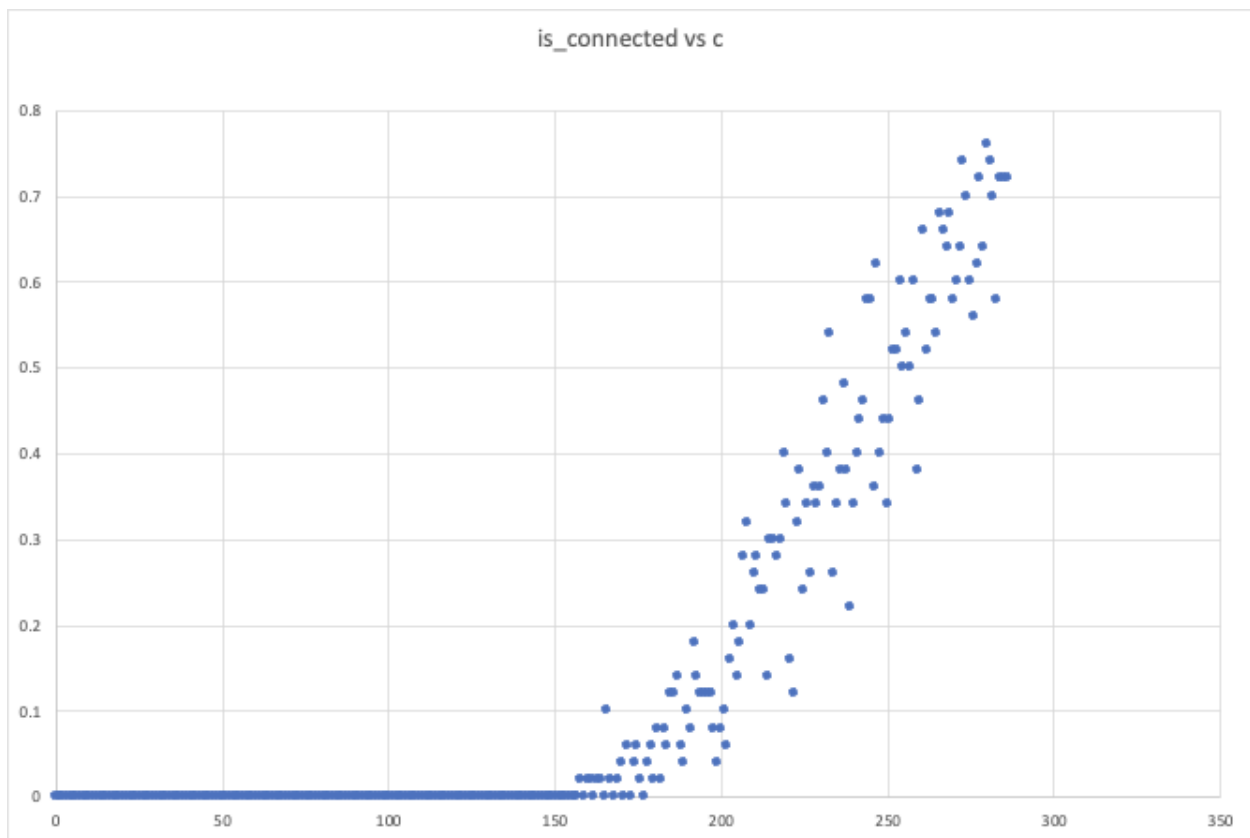
Has_cycle Probability

The following graph shows the portion of graphs which have a cycle vs c and approximate value of c for which half of the graphs have cycle is 44.



Is_connected Probability

The following graph shows the portion of graphs which are connected vs c and approximate value of c for which half of the graphs are connected is 252.



So, value of c for `has_cycle` is less than `is_connected` is because it's not necessary if a graph is connected then it must have to be cyclic as well. And, it is easier to make cyclic graph with randomly generated points as compared to a connected graph.