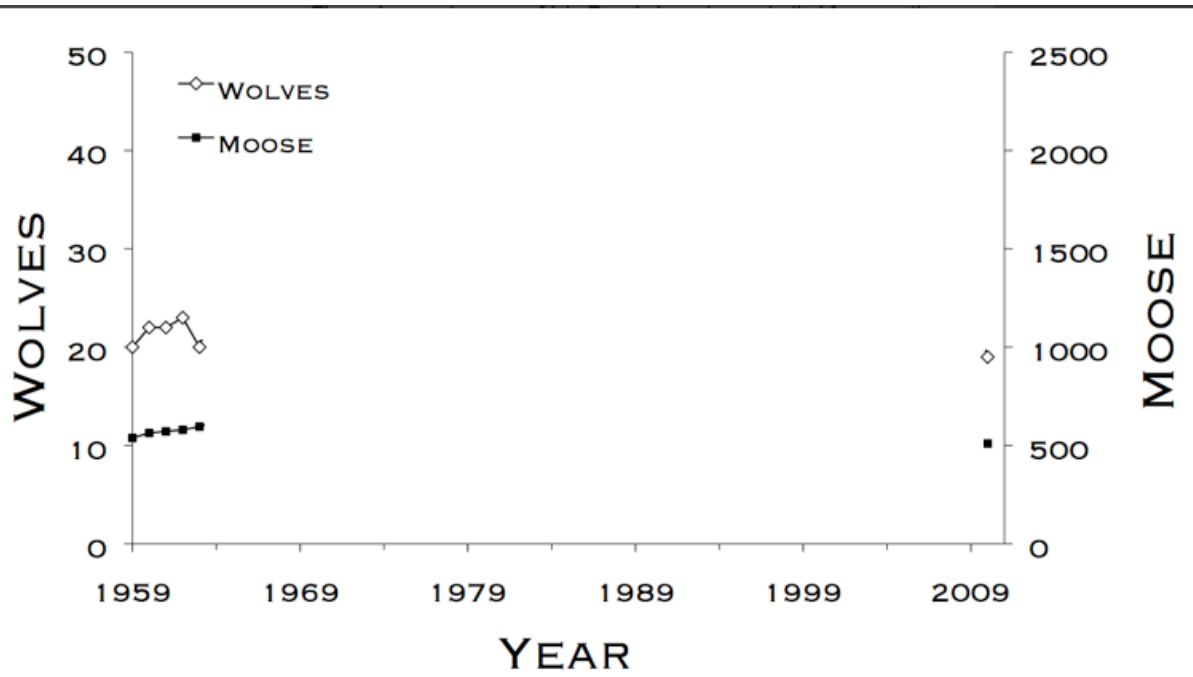


## Homework 2.1 - Case Study Update #1 Name: \_\_\_\_\_

The following data was collected on Isle Royale

Year	Wolf Abundance	Moose Abundance
1959	20	538
1960	22	564
1961	22	572
1962	23	579
1963	20	596

It has been plotted on the graph for you below.



**Question 1a** Is the trend you see in data what you expected to see? \_\_\_\_\_

**Question 1b** Why or why not? \_\_\_\_\_

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A series of much milder winters occurred every year from 1963 through 1972. These mild winters allowed more vegetation to grow on the island for more of the year than is typical. How do you predict this change affected the size of the moose population?

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How do you predict this change affected the size of the wolf population?

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What ideas from the computer modeling activities and class discussions are you using to help you make your predictions?

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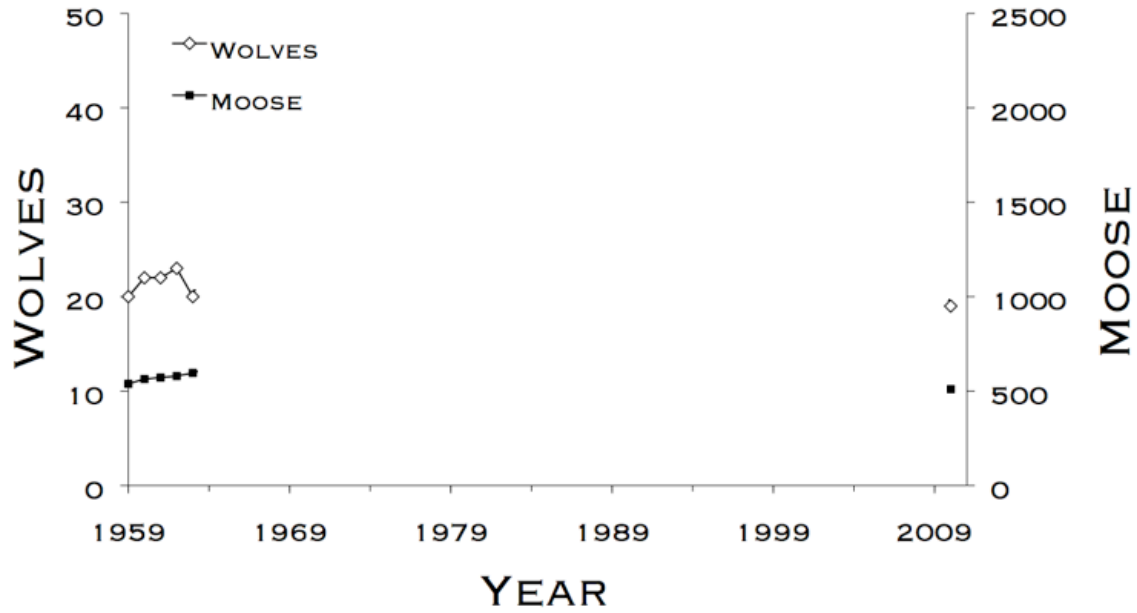
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Plot the data below on the graph on the next page to check your prediction.

Year	Wolf Abundance	Moose Abundance
1964	26	620
1965	28	634
1966	26	661
1967	22	766
1968	22	848
1969	17	1041
1970	18	1045
1971	20	1183
1972	23	1243



Which if any patterns in the data were surprising?

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What new questions do you have about this case study?

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