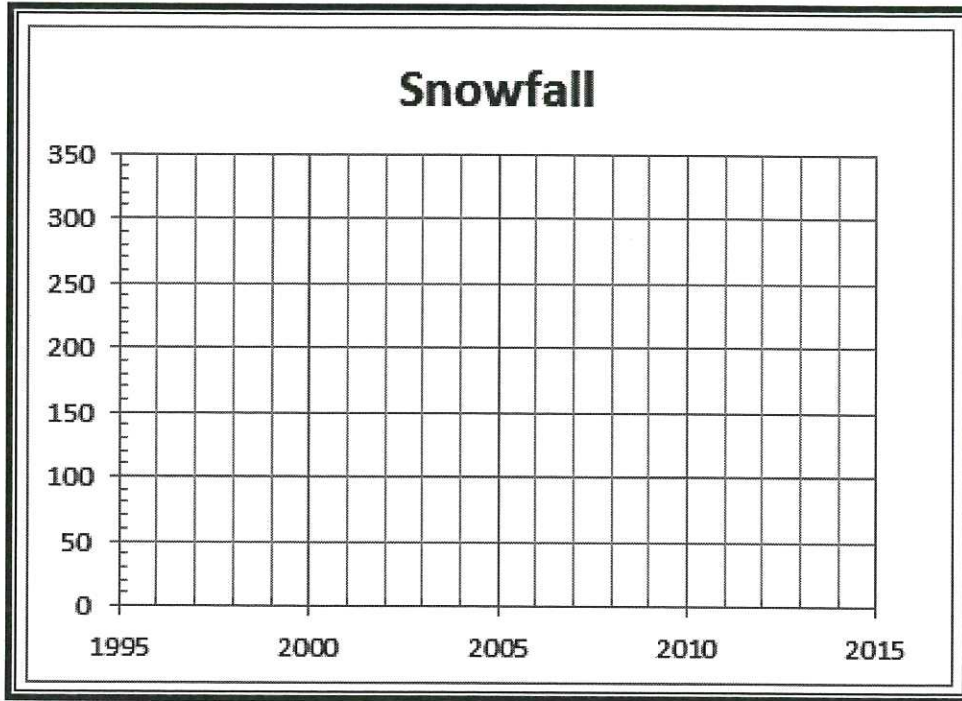


Snowfall Records in Northern Michigan

The table below shows the snowfall records measured in inches near the airport by the Michigan Tech Keweenaw Research Center over the past 14 years.

Use this data to create a scatterplot and answer the questions below.



Year	Snowfall
2013	208.75
2012	225.75
2011	132
2010	178.5
2009	150.5
2008	217
2007	185.25
2006	162.75
2005	219.5
2004	164.71
2003	232
2002	228
2001	254
2000	303.6

1. What pattern does the data seem to follow? Explain.
2. What is the correlation? Why?
3. What is the equation for the line of best fit?
4. If the pattern continues, how much snow should Northern Michigan expect this winter (2014)?
5. Next winter (2015)?
6. Do you think these are reasonable expectations? Why or why not?