Be your own groundhog -- Rubric

	1 Rewrite!	2 Rough Draft	3 Still Experimental	4 Go to the Science Fair	5-extension Submit to a Publisher.
Data Style	Flawed Data style	Follows most criteria for graphing, labeling missing/unclear, data representation has too many points and not enough analytics use making it hard to read	Follows most criteria for graphing, labeling missing/unclear, OR data representation has too many points and not enough analytics use making it hard to read	Follows criteria for graphing for data type. Data style is appropriate for data type and analysis done	4 plus representative of a large scale of data across years and locations
Source Reporting	Bibliography or in text documentation missing	Minimal bib. Or in text documentation	Bib. includes 2 resources and in text doc. follows most ideas.	Bib. includes 2 resources and in text doc. follows all ideas.	4 plus more resources used.
Mechanics Use of personal pronouns in any area of the report drops 1	Sloppiness or errors make meaning unclear.	Several noticeable errors	Few noticeable errors, neat.	No obvious errors, neat.	Wow me with your wordsmithing.
Introductory Methodology Essay Missing brief description, hypothesis or purpose statement drops 1 level	IME gives inaccurate or irrelevant background information.	IME gives background with minimal key terms and processes.	IME gives accurate background in key terms and processes .	IME gives accurate and detailed background in key terms and processes which could be replicated by the reader.	IME gives extensive, accurate and detailed information in key terms and processes which could be replicated by the reader including reasoning for methods which were discarded and methods which were chosen..
Accuracy and Honesty	Data is fudged! Not based on what actually happened. Or Hypothesis was reworded after modelling.	• Data analysis accurately and honestly reflects student results. • Student results are not reasonable. • Conclusions are not based on data.	• Data analysis accurately and honestly reflects student results. • Student results are not reasonable. • Conclusions are based on data and hypothesis.	• Data analysis accurately and honestly reflects student results. • Student results are within reason for the limitations. • Conclusions are based on data and hypothesis.	• Sources of error in citizen databases are noted. • Data analysis accurately and honestly reflects student results. • Student results are within reason for the limitations. • Conclusions are based on data and hypothesis.
Depth of Interpretation	Conclusion only restates data, No discussion.	Minimal discussion.	Discussion hits main points. Little terminology used. Local data not referenced	Discussion gives insight-- using appropriate terminology-- into the meaning of the data collected as well as suggestions for future study. Local data incorporated	Above and Beyond the questions provided, discussion shows thorough understanding of the results and their ramifications.

Grade scale A+=28+, A=28-25, B=24-21,C=20-16,D=15-10. Less than 10 must be redone to earn credit.

Gregory 2008