



Hudson Data Jam Competition – Judging Rubric

Screening questions: Does the project include...

- 1) A written scientific report? Yes No
- 2) A creative component? Yes No

If you answered “no” to either of these questions, please inform the contest administrators and do not continue scoring the project.

Report Content & Organization - 5 points						
	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
Report is typed in a readable font, easy to read and understand, neat, and free from spelling and grammatical errors.	5	4	3	2	1	0

The table below is for student reference, only. Judges will skip this part.

Check Mark	Report Components
	1. Title --- with student names, grades, and school
	2. Introduction
	3. Dataset(s) Description
	4. Data Representation
	5. Data Trends/Comparisons
	6. Data Interpretation
	7. New Questions & Hypotheses
	8. Explanation of Creative Project
	9. Reflection on Data Jam
	10. Reference List – include at least 2 references, properly cited
	11. YouTube link--- (<i>only if you made a video</i>) copy and paste your YouTube link into your creative piece so judges can easily access your project

Scientific Merit of the Written Report - 50 points						
	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
1. Title Includes title, names of student authors, grade(s) and school name.	1					0
2. Introduction (1 paragraph) a. Includes background information needed by someone unfamiliar with the science topic to understand the project. b. Scientific question and claim about the dataset are clearly stated.	5	4	3	2	1	0
3. Dataset(s) Description (1 paragraph) a. Dataset(s) are described accurately and clearly including: <ul style="list-style-type: none"> Who collected the data, if applicable (ex: Dave Strayer) How they collected the data (methods) Where and when they collected the data Source of data (ex: HRECOS, Cary Institute) Why they collected the data b. Variables are identified accurately and explained clearly. Ex: The independent variable measured in this experiment was time and the dependent variable was blue crab density.	10	8	6	4	2	0
4. Data Representation(s) (at least one graph, table, etc.) Graph(s), table(s) or other type of summary includes: <ul style="list-style-type: none"> Clearly displayed data (points, bars, etc.) Labeled axes 	8	7	5	3	1	0
5. Data Trends or Comparisons (1-2 paragraphs) a. Trend(s) or comparison(s) are described accurately, using basic descriptive statistics (ex: mean, range, standard deviation). Ex: The average annual blue crab population increased over time from 158 to 2,703 crabs/m ² . b. Variability in data is described and addressed. Ex: Despite the overall increase in pearly mussel population from 1995-2010, the mussel population sharply dropped in 2003.	10	8	6	4	2	0
6. Data Interpretation (Explanation) (1-3 paragraphs) a. Gives a reasonable explanation of <i>why</i> their trend happened. b. Students support their explanation with evidence. c. The explanation is consistent with current scientific ideas.	10	8	6	4	2	0
7. New Hypotheses & Questions (1 paragraph) Includes at least two new ideas about future scientific research that could be done on this topic.	2		1			0
8. Explanation of Creative Project (2-5 sentences) Explains why students chose their creative method and what message they hope audience will take away from their creative project.	1					0
9. Reflection (2-5 sentences) Student reflects on their personal Data Jam experience.	1					0
10. Reference List Project clearly cites 2 outside sources besides the dataset and metadata.	2		1			0

Creativity In Communicating Data		45 points				
	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
Creativity Project idea (ex: poem, skit, video) is creative and original.	15	12	9	6	3	0
Message Project has a message that is easily understandable for a non-scientist audience.	10	8	6	4	2	0
Craftsmanship Materials, media or resources are used skillfully and effectively to create an appealing project.	10	8	6	4	2	0
Data Incorporation The creative product accurately portrays the trend(s) in the data.	10	8	6	4	2	0

Bonus Points		
BONUS: Did students use multiple data sources? Extra points are assigned for projects that combine data from multiple sources or datasets.	Yes	No

Judge's Comments: