

Speciety – Perspectives on Science, Politics, Education, and Society

<https://speciety.wixsite.com/speciety>

Hurricanes: Storm Surge, Climate Change, and Rating Systems

Use the following resources to answer the two questions below.

National Hurricane Center | <https://www.nhc.noaa.gov/aboutsshws.php>

Weather Channel | <https://www.youtube.com/watch?v=lqfExHpvLRY>

VOX | <https://www.youtube.com/watch?v=TJ5C7TsBsao>

What is the Saffir-Simpson Scale and what does it tell us?

What is storm surge?

Now read this article by Rob Young and Katie McDowell Peek and answer the following questions.

<https://e360.yale.edu/features/why-the-current-hurricane-rating-system-needs-to-be-scraped>

True or False. There is a strictly positive correlation between the strength of a hurricane and number of casualties.

In other words, historically as a hurricane becomes stronger in wind, it is guaranteed to result in more deaths.

Explain your reasoning.

Summarize the central argument (make sure it's an ARGUMENT) of Rob Young and Katie McDowell Peek. What specific factors would be included in their ideal hurricane model and why?

Speciety – Perspectives on Science, Politics, Education, and Society

<https://speciety.wixsite.com/speciety>

In general, why is it important that a storm is categorized “accurately”? Why does it matter whether a tropical storm is LABELED a Category 1 or Category 4/Major Storm? What effects does the labeling itself have?

Now watch the following video from PBS and answer the remaining question.

PBS | https://www.youtube.com/watch?v=FiB2_pShfkE

How does the video on climate change and hurricanes speak to the arguments made by Rob Young and Katie McDowell Peek?