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ENG 201-05

Data Visualization Activity

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1)**Link to article/graph:**

https://www.statista.com/chart/23510/estimated-effectiveness-of-covid-19-vaccine-candidates/

2) **Analysis:**

- This article talks about the effectiveness of the coronavirus vaccines in different countries, and shows the percentage rate of effectiveness for each country that has been working or testing on the vaccines/candidates.
- This article is written by a journalist, so that already let's us know that it's not a reliable source because it's not coming from a scientist themselves, or someone who has a connection with those testing out the vaccines.
- Something that I noticed was how the author talks about the effectiveness of the vaccine, however not much is mentioned on how they are creating the vaccine or who is the vaccine being tested on.
- Only numbers of percentage effectiveness are being give, but there are no numbers on participants and what age groups the vaccine is being tested on
- Something else that stood out to me is the fact that this article talks on how effective this new vaccine is, but then mentions how it hasn't been FDA approved. To me I found that to be confusing because how can something be effective before even being FDA approved?

- When observing the chart, I noticed how at the end of the chart it says how there are still on-going trials. That proves that the data being provided isn't accurate because the on-going trials have a possibility of changing the data in either a good way or bad way. This reminded me of how in the podcast they mentioned to not believe the covid data that is being released, because it's impossible to collect data on an ongoing issue, it won't ever be one hundred percent accurate.

3) Another way to visualize this same data that communicates something else is by analyzing the whole background on the corona virus vaccines. Having more background information, along with details such as the participants, age group, gender, and the time span on the testing of the vaccine. This will make the information provided more reliable, because just giving percentages from different countries with no background information or explanation isn't reliable at all. Also, I would wait until the vaccine has been FDA approved and released to give a more realistic data on the effectiveness of the vaccine.