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## Analysis

The figure shown within my project “Lab 6” shows the highest wind speeds reported on the day February 19<sup>th</sup>, 2022 for Philadelphia and some surrounding counties during reported “peak wind gusts”, which are “the highest "instantaneous" wind speed[s] recorded at a station during a specified period” (American Meteorological Society, 2012). This data was taken from The National Weather Service’s National Oceanic and Atmospheric Administration (2022). The data shows that Atlantic county had the highest wind speed report during a peak wind gust, at 61 miles per hour (National Weather Service, 2022). Atlantic County is right on the east coast of New Jersey, so it is reasonable that the wind speeds were higher, as there is less friction for wind on the ocean and coasts generally have stronger wind speeds (NASA, n.d.). Montgomery county had the lowest wind speed report at a peak wind gust at 45 miles per hour (National Weather Service, 2022).

## References:

American Meteorological Society. (2012, February 20). Peak Gust. AMS.

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NASA. (n.d.). Global Ocean Wind Energy Potential. Earth Observatory.

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National Weather Service. (2022). NWS Product View. NOAA.

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