Supporting View: Data Science will help improve the accuracy of weather prediction with the assistance of artificial intelligence. The amount of data that is gathered daily from satellites and ground-based radars that collect information on temperature, wind, rain, and atmospheric conditions (Manning 2019).

* Artificial intelligence can help clean the data that is gathered faster and help create better models to predict weather faster/accurately.
* Data that is gathered daily all over the world gives ample working room to improve predictive analysis.
* Creates better models of storms that will predict its course and outcome, providing better support for targeted areas.
* Machine learning for weather conditions can help connect data that forecasters have not thought of before.
* Data Science can help with climate change and can show its causes/effects which will help with find solutions to the problems.

Opposing View: Data Science even with the vast amounts of data is not sensitive and cannot predict small changes that could tell a different story from what the predictive models are telling. Looking at the bigger picture can hide the small changes that forecasters can tell based on experience alone (Herbst 2022).

* Smaller weather occurrences like the formation of water sprouts are often missed by radar since it lacks the signal to capture it, meaning it will not be part of the data that is gathered.
* Weather condition changes too fast for any models to predict it accurately.
* Time lagged biases in terms of data that is gathered at a given day is already old by the time machine learning analysis is out.
* Many variables that change the correlation between each data collected is better analyzed by a forecaster that has experience in the filed rather than AI.
* Data Science can only forecast what may happen at a short period of time but does not accurately predict what can happen at longer periods of time, for example months to years of weather conditions.

**References**

Anne Manning (2019). Atmospheric Science, Meets Data Science. *Colorado State University.* Retrieved from https://engr.source.colostate.edu/atmospheric-science-meet-data-science/

Meghan Herbst (2022). The Danger of Leaving Weather Prediction to AI. *Wired.* Retrieved from https://www.wired.com/story/weather-forecasting-artifical-intelligence/