

# Proof of Progress

Data Expo 2018

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We are exploring how accurate precipitation forecasts are for various cities in different seasons. We started our exploration by looking at two cities in Washington, but plan to expand our investigation nationally. Below are two plots designed to help visualize the accuracy of precipitation forecasts in Hoquiam and Spokane, WA. The x-axis is the Probability of Precipitation (PoP), while the y-axis is the proportion of days in which rain was detected. The plots are faceted by the number of days between the date of the forecast and the date of measurement and are colored by season. We would expect perfect forecasts to lie on the black reference line. We are planning on making similar types of graphs for temperature forecasts.



