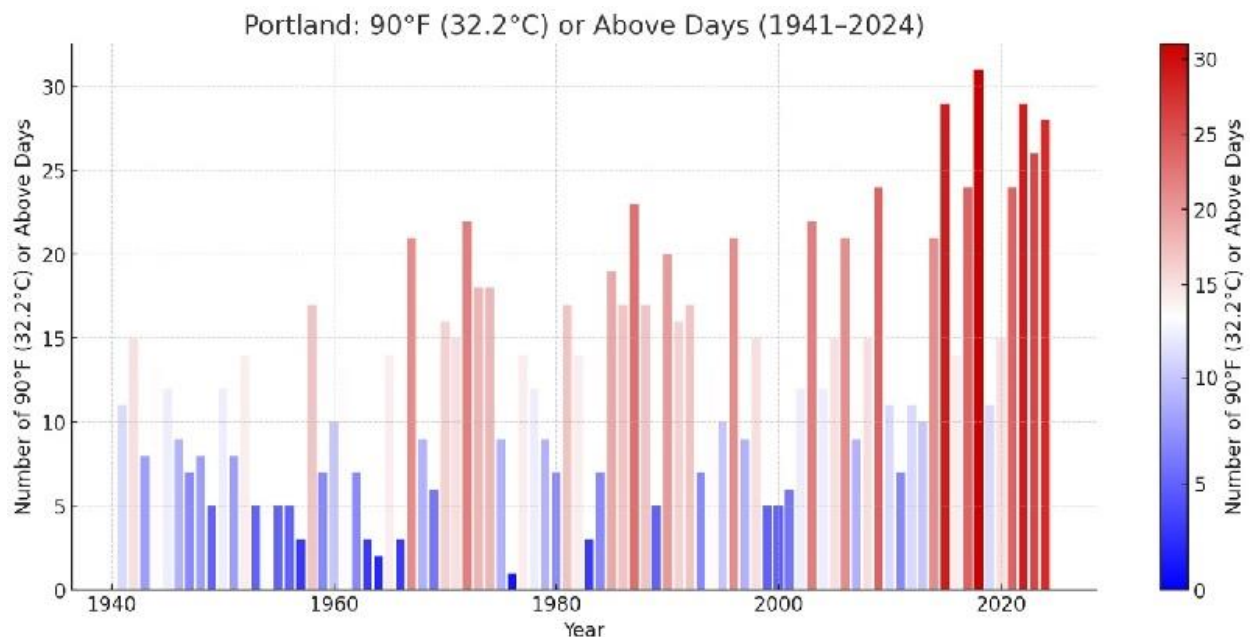


## Two GPT-5 Visualizations

By Don Sutherland

With the Pacific Northwest experiencing intense heat in recent days and Portland in the midst of what could become an extreme heat event (Clarke et al., 2014 methodology) for a fifth consecutive year, there was an opportunity to test some of the visualization capabilities of GPT-5.

I created a visualization showing the increasing number of 90°F (32.2°C) days using warming stripes colors to reflect the number of such days each year with the shading based on the extent to which that number was below or above the historic mean figure.



I also tested a range of scatter diagrams and trend lines (now shown in this blog entry).

Finally, looking back at Phoenix's record-warm 2024, I created an abstract artwork based on the warming stripes colors for each of the 366 daily anomalies at Phoenix. The artwork was based on the creation of irregular polygons, one for each day, that was sized and shaded based on the daily temperature anomaly. Warming stripes colors were again used. As expected, most of the illustration was shaded in warm colors, which accurately depicted the reality that 7% of days in 2024 featured above normal temperatures.

## Phoenix: 2024

