Maximum January Temperatures for California Cities

Mount Shasta
46.2

Eureka
55.5

Sacramento
54.4

Lee Vining
40.5

San Francisco
57.7

San Jose
59

Salinas
61.8

Fresno
55.5

Bakersfield
56.4

Barstow
59.4

Santa Barbara
64.5

Los Angeles
68.7

Mecca
71.8

San Diego
70.4

Legend

California Cities

Max. Temperatures

- 40.5 - 48.9
- 49.0 - 55.6
- 55.7 - 59.8
- 59.9 - 64.9
- 65.0 - 71.8

Source: https://www.ncdc.noaa.gov
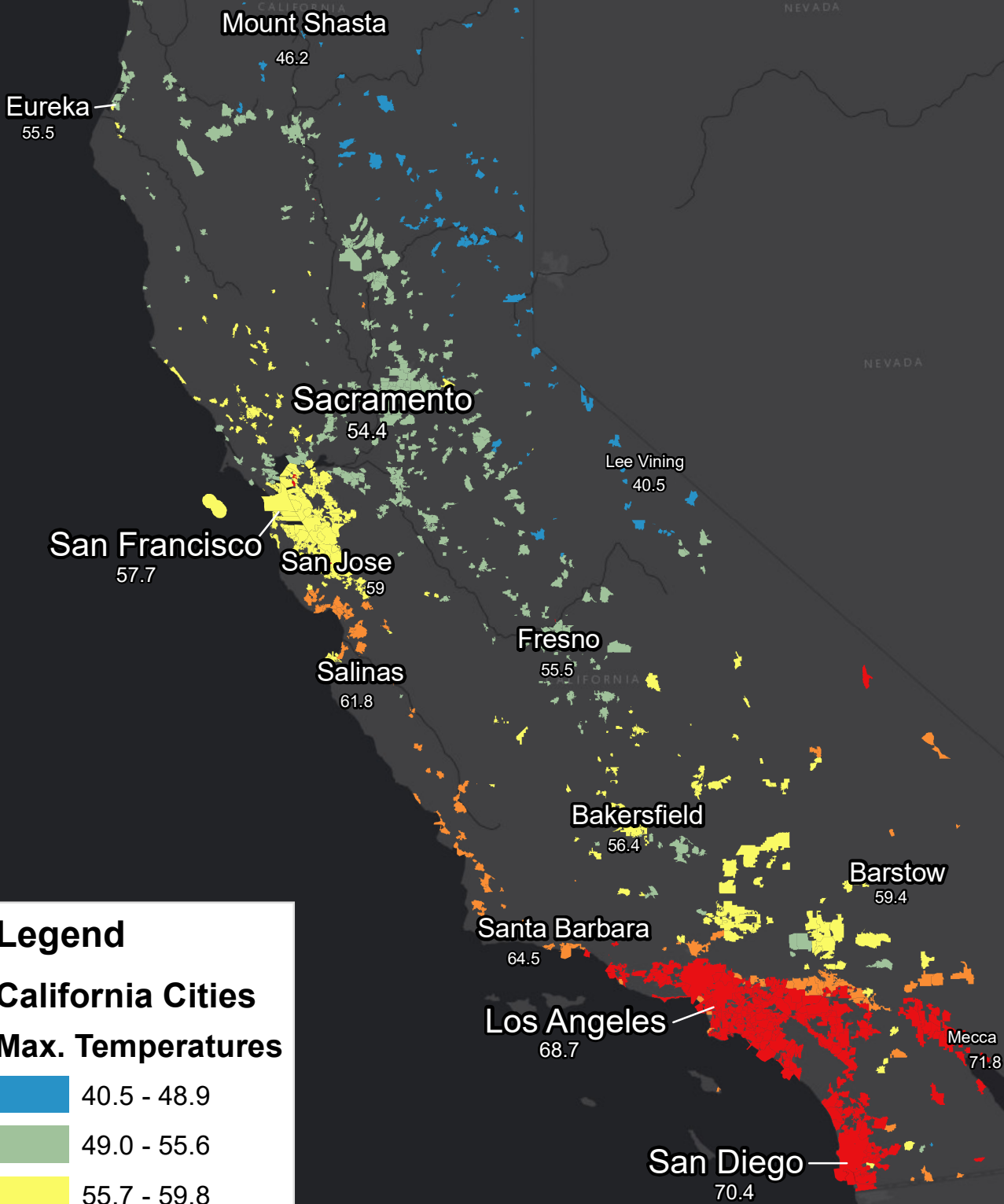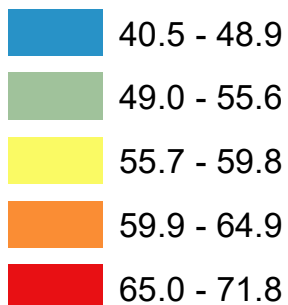
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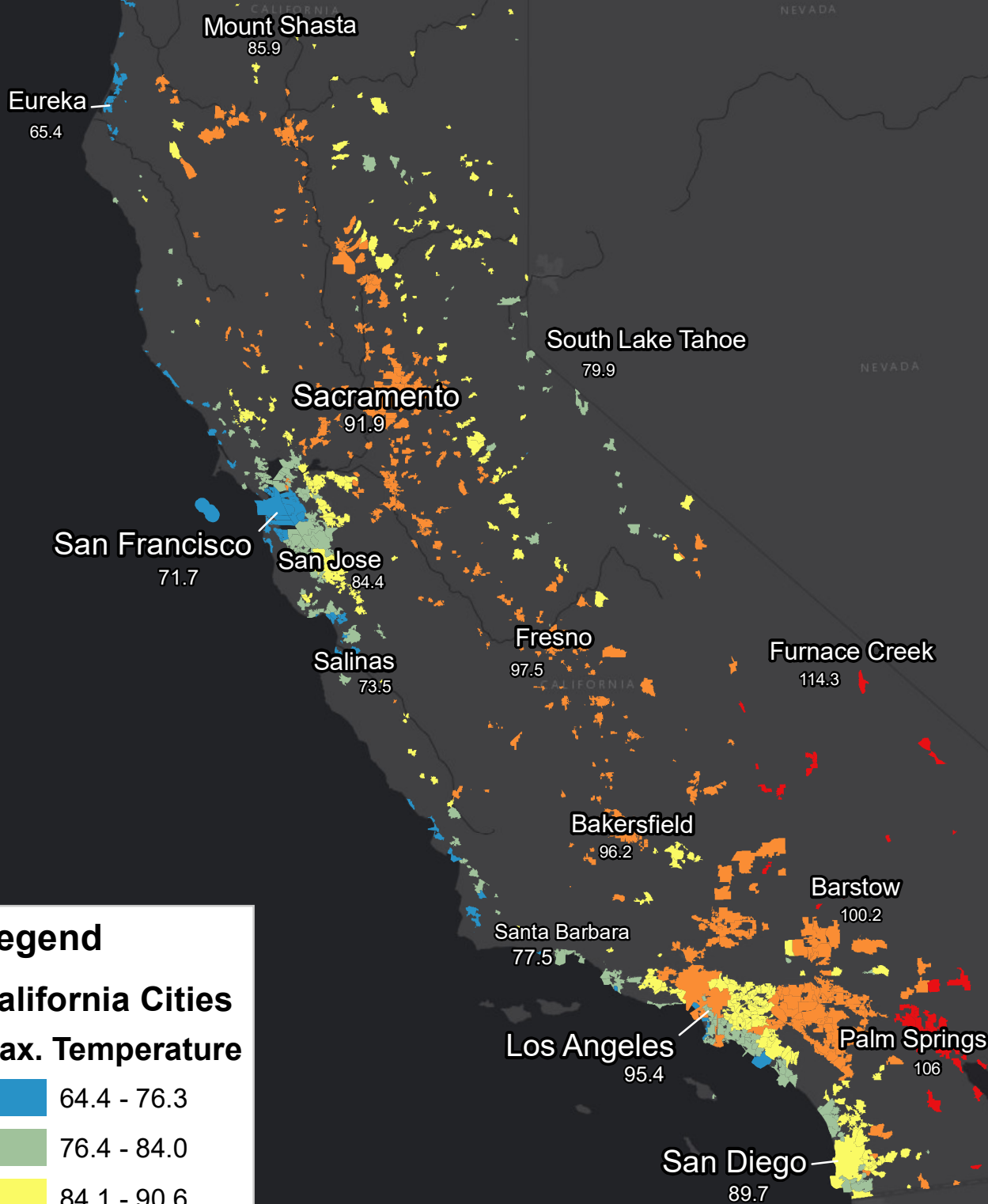
Cartography by Sara Diercks

Hottest Cities in January

City Name	Max. Temp.
Mecca	71.81471
Coachella	71.55312
Thermal	71.55080
Indio	71.48629
Oasis	71.48309
Vista Santa Rosa	71.33279
La Quinta	71.04411
El Centro	70.40057
San Diego	70.38600
Orange	70.30866

Coldest Cities in January

City Name	Min. Temp.
Lake City	40.37395
Lee Vining	40.46318
Sunnyside-Tahoe City	40.56293
Mono City	40.62818
Westwood	40.62904
Bridgeport	40.78061
Chilcoot-Vinton	40.82313
Tahoe Vista	40.83141
Mammoth Lakes	40.83395
Cedarville	40.86918

Maximum August Temperatures for California Cities

Mount Shasta
85.9

Eureka
65.4

South Lake Tahoe
79.9

Sacramento
91.9

San Francisco
71.7

San Jose
84.4

Salinas
73.5

Fresno
97.5

Furnace Creek
114.3

Bakersfield
96.2

Barstow
100.2

Santa Barbara
77.5

Los Angeles
95.4

Palm Springs
106

San Diego
89.7

Legend

California Cities

Max. Temperature

- 64.4 - 76.3
- 76.4 - 84.0
- 84.1 - 90.6
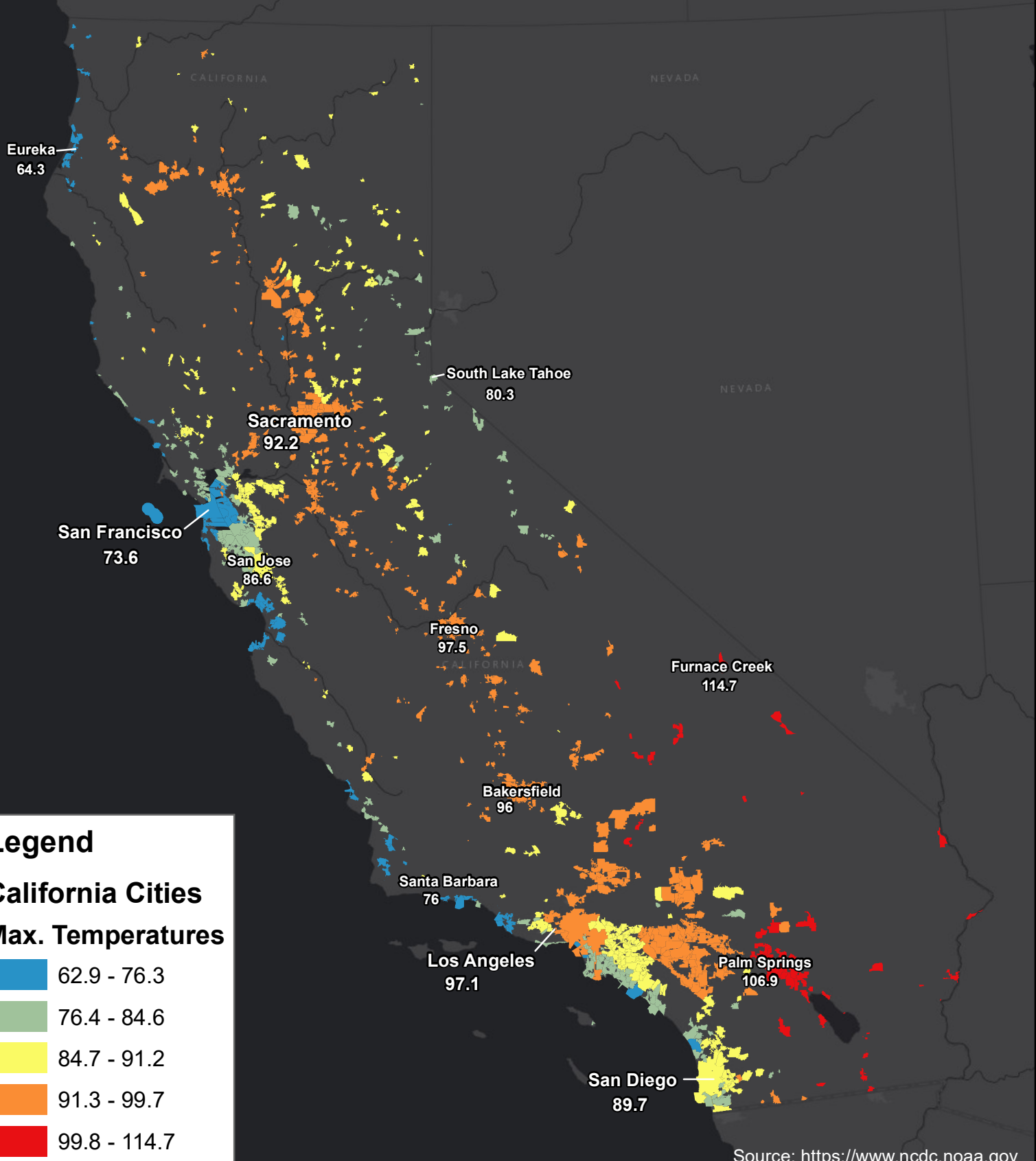- 90.7 - 99.0
- 99.1 - 114.3

Hottest Cities in August

City Name	Max. Temp.
Furnace Creek	114.267906189
Blythe	107.544166565
Mecca	107.450317383
Oasis	107.108268738
Baker	107.021095276
Bluewater	106.923957825
Big River	106.920181274
Palo Verde	106.888687134
Salton City	106.808753967
Thermal	106.501586914

Coldest Cities in August

City Name	Min. Temp.
San Francisco	62.24809
Caspar	63.40131
McKinleyville	63.48671
Westhaven-Moonstone	63.71380
Eureka	64.64465
Humboldt Hill	64.99638
Bodega Bay	65.16312
Bertsch-Oceanview	65.84576
Point Arena	65.86998
Myrtletown	65.94298

Maximum August Temperatures for California Cities

(using the inverse distance weighting technique)

Eureka
64.3

South Lake Tahoe
80.3

Sacramento
92.2

San Francisco
73.6

San Jose
86.6

Fresno
97.5

Furnace Creek
114.7

Bakersfield
96

Santa Barbara
76

Los Angeles
97.1

Palm Springs
106.9

San Diego
89.7

Legend

California Cities
Max. Temperatures

- 62.9 - 76.3
- 76.4 - 84.6
- 84.7 - 91.2
- 91.3 - 99.7
- 99.8 - 114.7

CA Cities - August (IDW)

Hottest Cities in August

City Name	Max. Temp.
Furnace Creek	114.69999
Mecca	107.89928
Oasis	107.68841
Baker	107.59994
Blythe	107.59975
Palo Verde	107.04003
Palm Springs	106.94394
Needles	106.89999
North Shore	106.83831
Cathedral City	106.74456

Coldest Cities in August

City Name	Min. Temp.
San Francisco	62.80499
McKinleyville	62.80865
Westhaven-Moonstone	62.81207
Fieldbrook	62.83656
Bodega Bay	63.40010
Arcata	63.75840
Eureka	64.30003
Myrtletown	64.30149
Pine Hills	64.48923
Humboldt Hill	64.51445

Sara Diercks

Technical Addendum

The results generated using the Inverse Distance Weighting interpolation method were quite similar to the results created from the Kriging method. Many cities had the same, or close to the same, temperature. There were a couple differences worth noting however. IDW created a larger range of temperatures than the Kriging method. Many of the IDW generated city temperatures were warmer than those generated using Kriging. The IDW method also created slightly cooler temperatures for several cities when compared to the Kriging method. By looking at the two lists of hottest and coolest cities for the month of August, we can see the slight differences in generated temperatures, which can help give us an overall picture of how these temperatures may vary across the state of California using two different methods of interpolation.