Choropleth Map - Feels Gap

Avg. Feels Gap

-4.32   6.55

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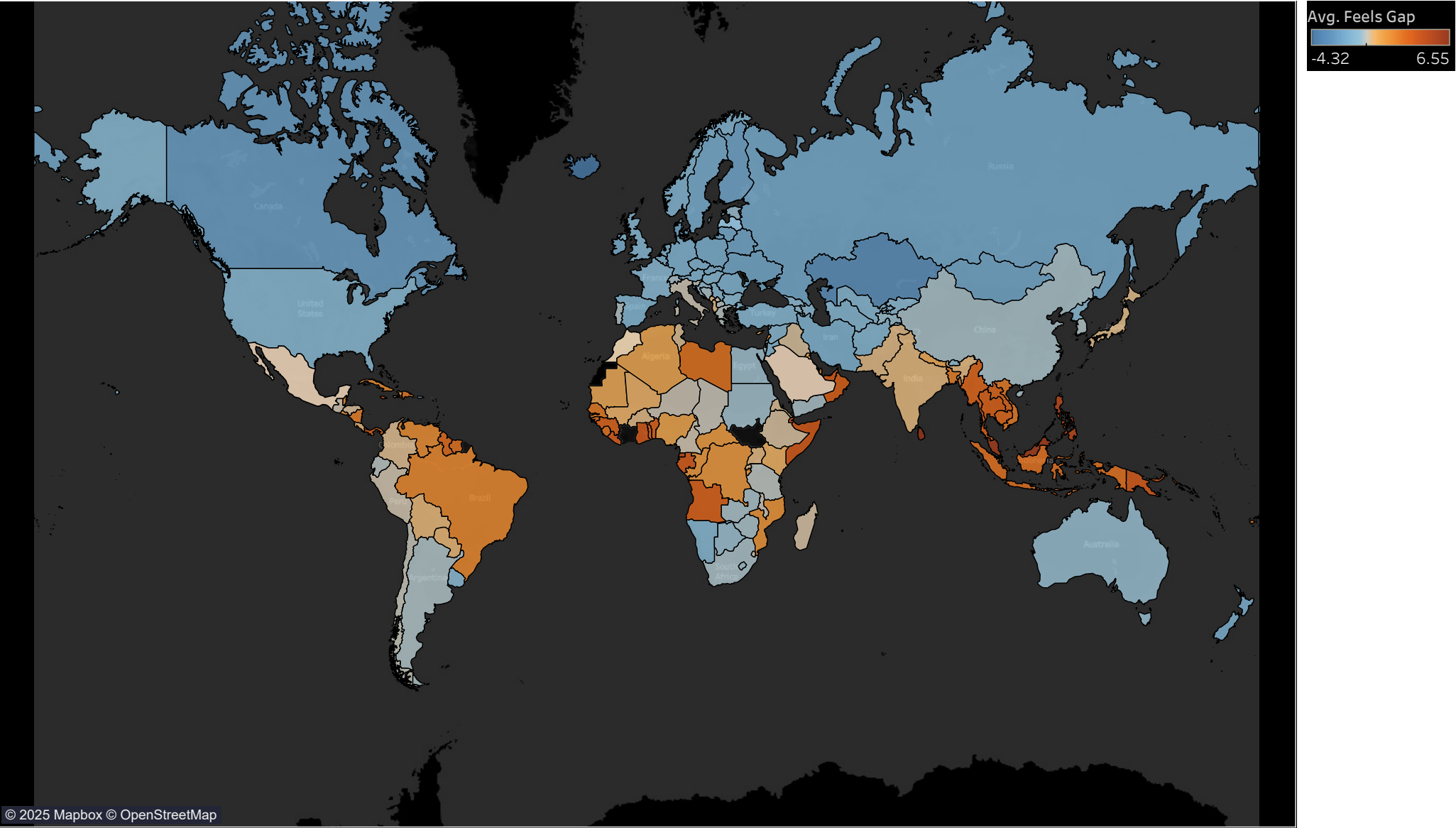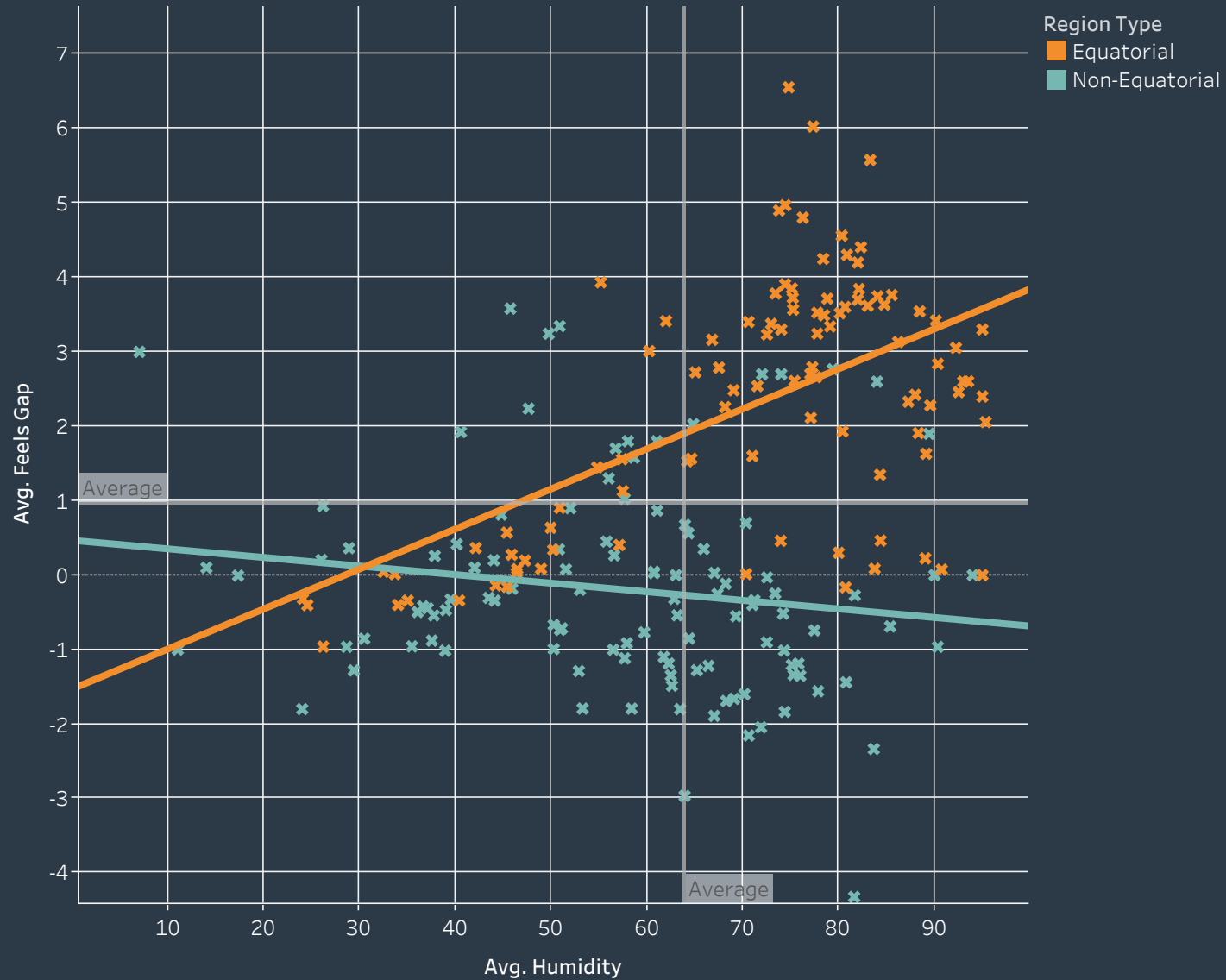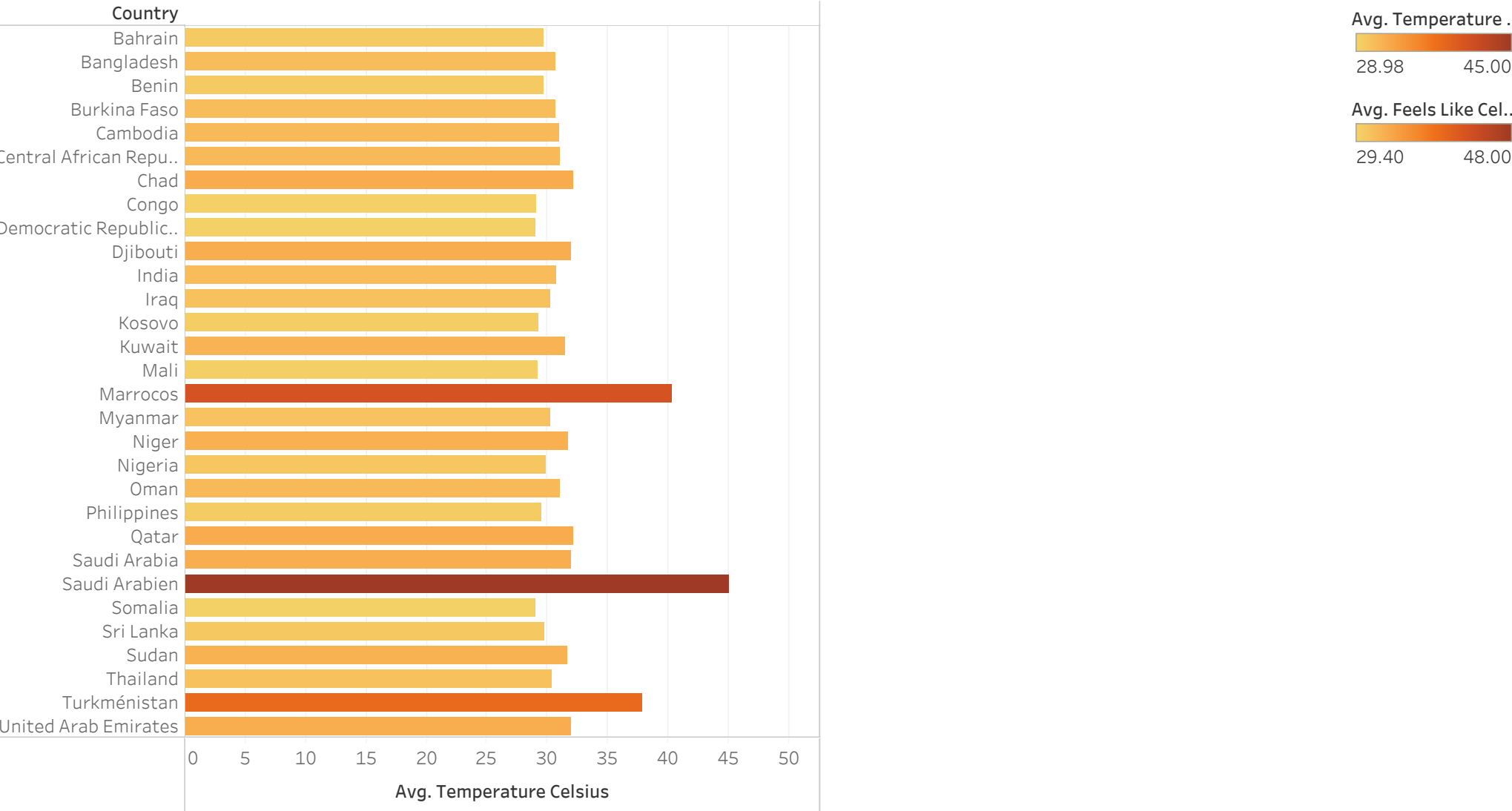
Map based on average of Longitude and average of Latitude. Color shows average of Feels Gap. The marks are labeled by average of Feels Gap and Country (group). Details are shown for Country (group). The data is filtered on Latitude (generated) and Variables Filter Field. The Latitude (generated) filter keeps non-Null values only. The Variables Filter Field filter keeps High Humidity, Low Humidity and Moderate Humidity. The view is filtered on Country (group), which keeps 196 members.
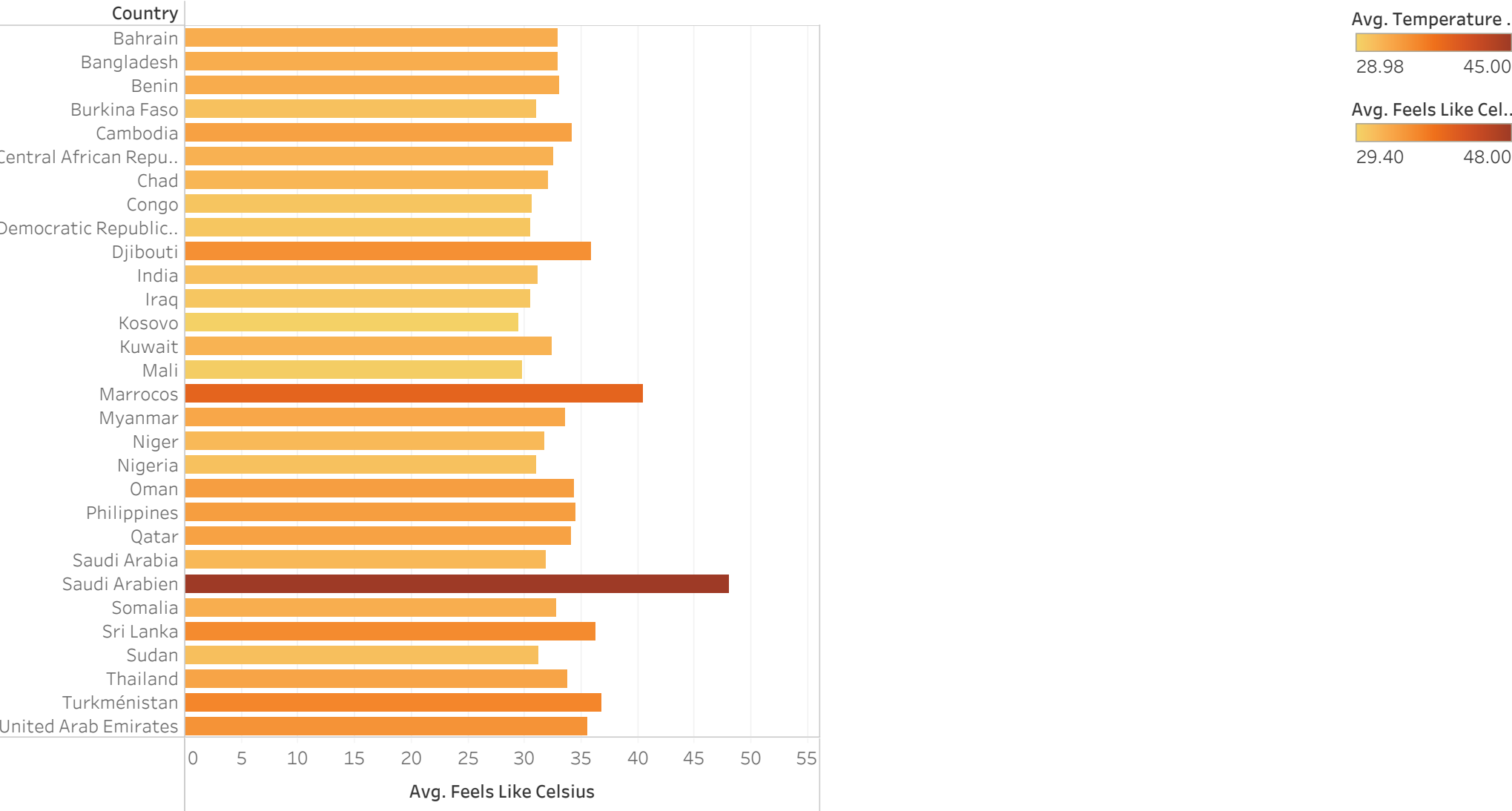
Average of Humidity vs. average of Feels Gap. Color shows details about Region Type. Details are shown for Country. The data is filtered on Action (Country), Country (group), Variables Filter Field and Action (Country (group)). The Action (Country) filter keeps 210 members. The Country (group) filter keeps 197 of 197 members. The Variables Filter Field filter keeps High Humidity, Low Humidity and Moderate Humidity. The Action (Country (group)) filter keeps 197 members. The view is filtered on Region Type, which keeps Equatorial and Non-Equatorial.

Bar Chart: Feels Like Temp vs Actual Temp

Country

Country	
Bahrain	
Bangladesh	
Benin	
Burkina Faso	
Cambodia	
Central African Repu..	
Chad	
Congo	
Democratic Republic..	
Djibouti	
India	
Iraq	
Kosovo	
Kuwait	
Mali	
Marrocos	
Myanmar	
Niger	
Nigeria	
Oman	
Philippines	
Qatar	
Saudi Arabia	
Saudi Arabien	
Somalia	
Sri Lanka	
Sudan	
Thailand	
Turkménistan	
United Arab Emirates	

Avg. Temperature ..

28.98   45.00

Avg. Feels Like Cel..

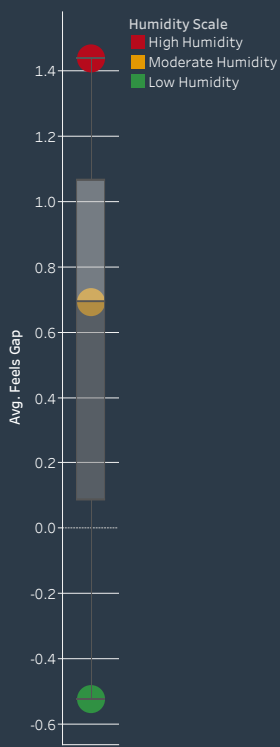29.40   48.00

Avg. Temperature Celsius

Average of Temperature Celsius and average of Feels Like Celsius for each Country. The marks are labeled by average of Feels Gap. For pane Average of Temperature Celsius: Color shows average of Temperature Celsius. For pane Average of Feels Like Celsius: Color shows average of Feels Like Celsius. The data is filtered on Variables Filter Field, which keeps High Humidity, Low Humidity and Moderate Humidity. The view is filtered on Country, which keeps 30 of 210 members.
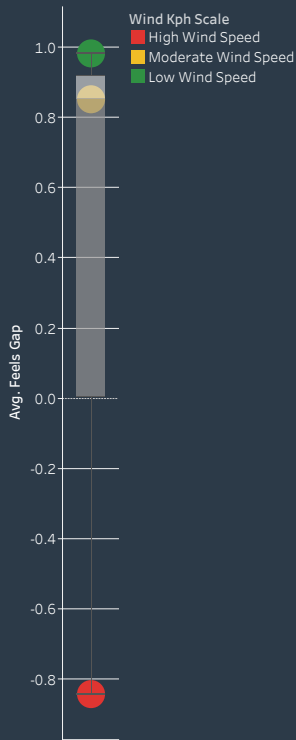
Bar Chart: Feels Like Temp vs Actual Temp

Average of Temperature Celsius and average of Feels Like Celsius for each Country. The marks are labeled by average of Feels Gap. For pane Average of Temperature Celsius: Color shows average of Temperature Celsius. For pane Average of Feels Like Celsius: Color shows average of Feels Like Celsius. The data is filtered on Variables Filter Field, which keeps High Humidity, Low Humidity and Moderate Humidity. The view is filtered on Country, which keeps 30 of 210 members.

Box Plot: Humidity vs Feels Gap

Avg. Feels Gap

1.4

1.2

1.0

0.8
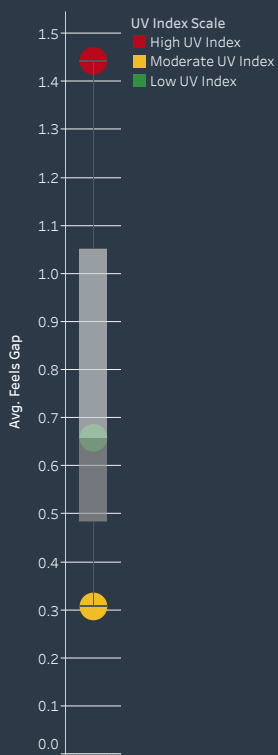
0.6

0.4

0.2

0.0

-0.2

-0.4

-0.6

Average of Feels
Gap. Color shows
details about
Humidity Scale.
Details are shown
for Humidity
Scale. The data is
filtered on Action
(Country),
Variables Filter
Field and Action
(Country (group)).
The Action
(Country) filter
keeps 210
members. The
Variables Filter
Field filter keeps
High Humidity,
Low Humidity and
Moderate
Humidity. The
Action (Country
(group)) filter
keeps 197
members.

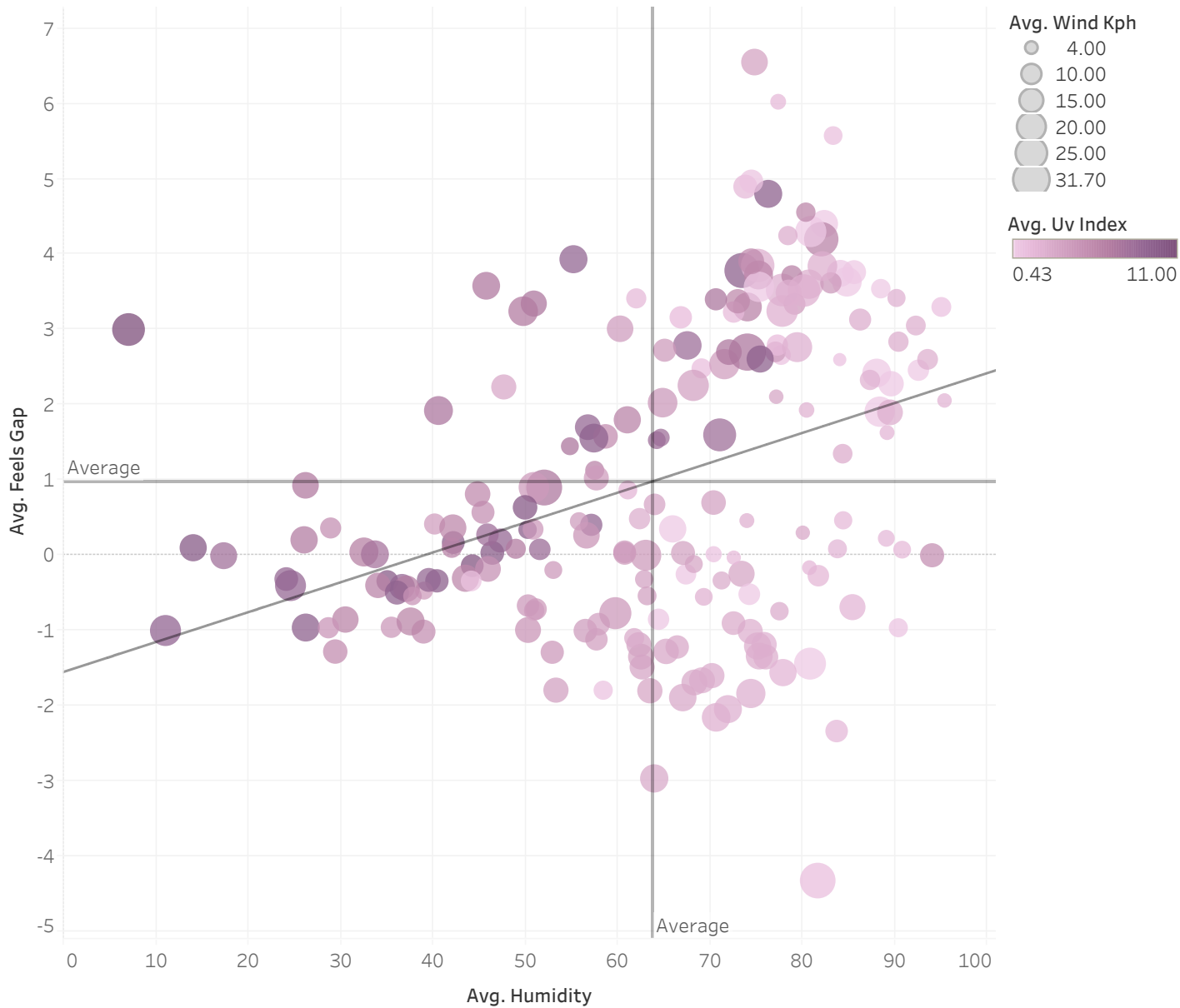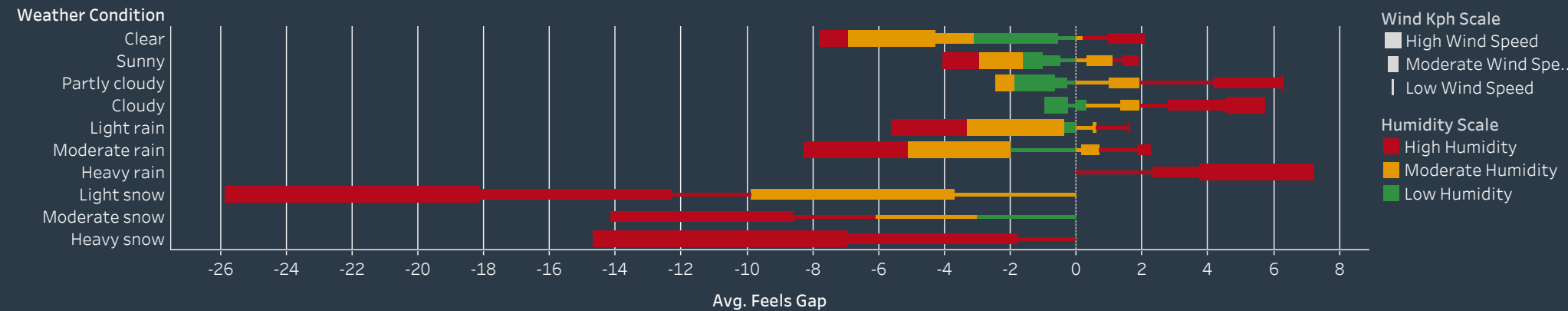# Box Plot: Wind Speed vs Feels Gap

Wind Kph Scale
- ■ High Wind Speed
- ■ Moderate Wind Speed
- ■ Low Wind Speed

Avg. Feels Gap

1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8

Box Plot: UV Index vs Feels Gap

UV Index Scale
- ■ High UV Index
- ■ Moderate UV Index
- ■ Low UV Index

Avg. Feels Gap

1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

Bubble Chart

Average of Humidity vs. average of Feels Gap. Color shows average of Uv Index. Size shows average of Wind Kph. Details are shown for Country. The data is filtered on Variables Filter Field, which keeps High Humidity, Low Humidity and Moderate Humidity. The view is filtered on Country, which keeps 202 of 210 members.

Humidity and Wind Speed on Weather Condition

Weather Condition

Wind Kph Scale
- High Wind Speed
- Moderate Wind Spe..
- Low Wind Speed

Humidity Scale
- High Humidity
- Moderate Humidity
- Low Humidity

Avg. Feels Gap

Average of Feels Gap for each Weather Condition. Color shows details about Humidity Scale. Size shows details about Wind Kph Scale. The data is filtered on Action (Country), Variables Filter Field and Action (Country (group)). The Action (Country) filter keeps 210 members. The Variables Filter Field filter keeps High Humidity, Low Humidity and Moderate Humidity. The Action (Country (group)) filter keeps 197 members. The view is filtered on Weather Condition, which keeps 10 members.
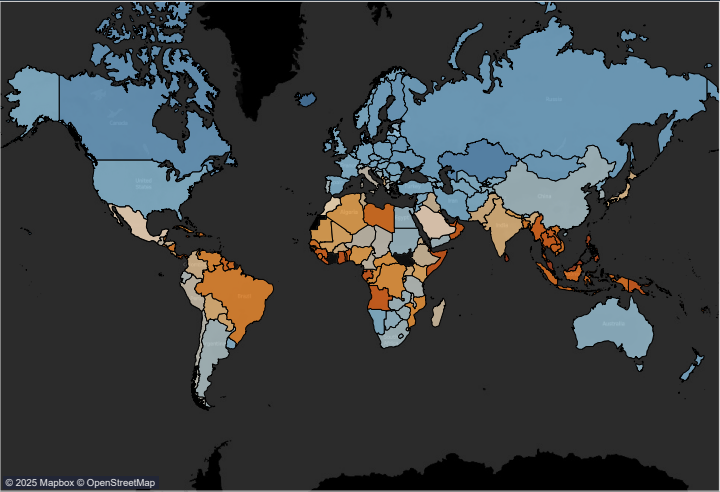
Is It Hot, or Does It Just Feel Like It?

Investigating the Reason Behind the Gap Between Feels-Like and Actual Temperature
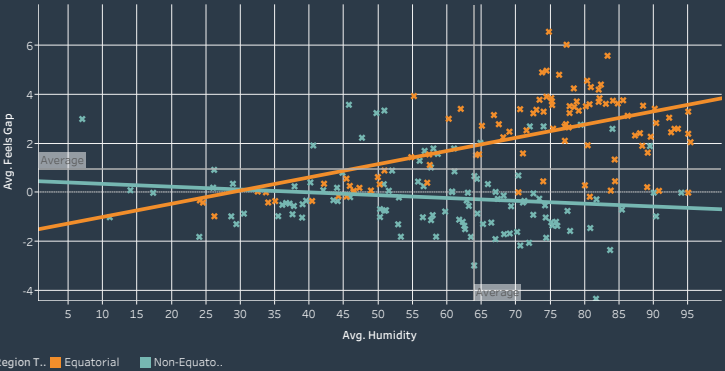
Variables Filter

Humidity

Humidity

All

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Avg. Feels Gap
-4.32 ▬▬▬▬▬▬▬▬▬ 6.55

Sometimes, the temperature we feel doesn't match what the weather forecast shows, leaving us wondering why it feels much hotter or colder. This dashboard analyzes global weather data to explore how humidity, wind speed, and UV index influence our perception of temperature across different regions and weather conditions. You can interact with the map on the left to select and focus on a specific country for a closer look at local patterns.

Variables that Affects the Feels Gap

Humidity

Wind Speed

UV Index

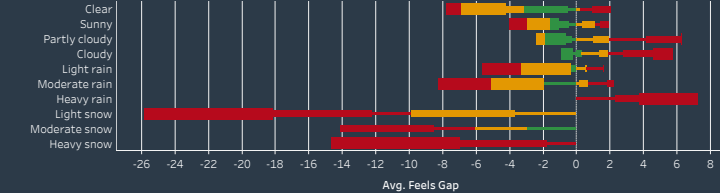| 🔴 High Humidity | 🔴 High Wind Speed | 🔴 High UV Index |
| 🟡 Moderate Humidity | 🟡 Moderate Wind Speed | 🟡 Moderate UV Index |
| 🟢 Low Humidity | 🟢 Low Wind Speed | 🟢 Low UV Index |

Does High Humidity Make Us Feel Hotter Than the Actual Temperature?

The scatter plot is showing the relationship between the Feels Gap and Humidity based on the region type of each country. We can see that equatorial countries generally have higher feels gap as humidity increases and the opposite for non-equatorial countries based on the trend lines. The reasons why there are noises in the scatter plot could have multiple reasons, be it the countries' geographical location, dense rainforests, cloud coverage and etc.

Region T.. 🟧 Equatorial 🟩 Non-Equato..
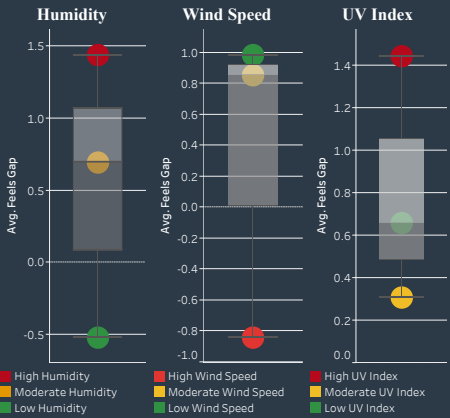
Are Weather Conditions Affecting Feels Gap?

The chart shows that high humidity generally increases the feels-like temperature, especially in sunny, cloudy, and rainy conditions, making it feel warmer than it actually is. However, in snowy conditions, high humidity has the opposite effect, making it feel colder than the actual temperature. In contrast, low humidity tends to narrow the feels-like gap, particularly during clear and snowy weather. Wind speed contributes a cooling effect, most notably in heavy snow, though its overall impact is less significant than that of humidity.

Wind Kph Scale

| Low Wind S.. ▪ Moderate W.. ▪ High Wind S..

Humidity Scale

🟩 Low Humidity 🟧 Moderate H.. 🟥 High Humidi..