Suitability criteria for evaluating the map quality

Map compositions	Suitability levels		
	Least suitable	**Intermediate**	**Most suitable**
1. legend	- Not representing burned area values in each class. -Use a legend as a continuous bar. -Colors do not correspond on the map.	-Represent ranges of the value in each class. -Discrete legend from high to low, with graduated colors. -Colors do not correspond on the map, the tones are slightly different but still be able to understand the data. - Upper and lower values of each class are duplicated.	-Represent ranges of the value in each class. -Colors correspond with the color on the map. -The number of classes is the same as the map -The data intervals are classified properly according to statistical methods.
2. map field	-Not using a sequential scheme on areas. -Not using a warm color scheme. -Data is organized into more than 7 or less than 4 classes. -Colors do not associate with the actual data. -The colors on the map do not correspond to the legend.	-Use a sequential scheme on areas. -Single data value is represented by each area as a ratio. -Use a warm color scheme -Data is organized into more than 7 or less than 4 classes. But -The colors on the map are slightly different from the legend.	-Use graduated-color: sequential scheme on areas. -The data value is ratios(normalized) represented by each area. -Use a warm color scheme -The color symbols support the reader in making comparisons between high and low. -Data is organized into more than 7 or less than 4 classes. -The colors on the map correspond to the legend.
3.scale	-A unit of distance is not proportional to the map scale. -Have a wrong distance unit such as dm, Gm.	-A unit of distance is not proportional to the map scale. - It can combine a graphic and numeral scale. But -The size of the scale bar is too large or too short.	-A unit distance on a map corresponds the distance on the ground. - The scale bar should be subtle and should not attract the attention of the map readers.

4.credit	- Not specifying the data source, WHO (the author name), WHERE (place) and WHEN (year) the map was created.	-Contain the data source, WHO (the author name), WHERE (place), and WHEN (year) the map was created. -Placed below the map. BUT -Overlap or cover other elements.	-Contain the data source, WHO (the author name), WHERE (place), and WHEN (year) the map was created. -Placed below the map properly by not overlapping other elements. -Less dominant in size and color.
5. title and subtitle	-A title is based on the input data, or prompt that does not rewrite the title from the context properly. -Not showing the subtitle. -the title shows the word "Map".	-Describe the thematic content of the map. -The subtitle shows the phenomenon location and year of data correctly. But -A subtitle does not placed properly below the main title. -A subtitle is not less dominant than the main title.	-Describe the thematic content of the map, focusing on the phenomenon. -A subtitle shows the phenomenon location and year of data correctly. -Main title has large bold characteristics. -A subtitle is placed properly below the main title. -A subtitle is less dominant than the main title.
6. basemap	-Cannot visualize any basemaps. Or -High saturation or high details on the basemap (e.g. Imagery with labels, Navigation map, Street map night).	-Visualize a base map with medium saturation is still acceptable (e.g. Topographic map, Oceans).	-Visualize a basemap with low saturation to make the map content more emphasized (e.g. Light gray canvas map, CartoDB).
8. labels	-Most of the district labels are illegible. -Labels overlap one another.	-Labels are legible. BUT -Some of them overlap each other.	-Labels are legible easily. -Halo effect in the texts. -Font family and color support to read.
9. data visualization	-A chart does not appear on the map.	-A chart appears on the map successfully.	-The chart appears on the map successfully.

	OR -There are no x and y axes. OR -A chart is illegible and has a wrong representation of the data.	BUT -x and y axes are too large or too small. -A Chart is too large or dominant to attract the user's attention. -A chart's legends indicate the information correctly but the colors are slightly different from the chart.	-x and y axes support reading and understanding the data. or -A chart is not too dominant to attract the user's attention -All chart's labels appear.

Archive chat history of ChatGPT-4

1. Static Maps

1.1 Basic Prompt pattern

• https://chat.openai.com/share/1763437f-2964-4fba-8e16-8cbf1b0f4d78 &

• https://chat.openai.com/share/a054ab0b-49fa-4e66-b0cd-207691a0a583

• https://chat.openai.com/share/b5dc860d-4103-4afe-9be4-fb9db2184991

• https://chat.openai.com/share/ec5fa524-7e81-4244-8d5f-00651ca1aced

• https://chat.openai.com/share/703279b3-c8ab-463c-b5ce-ec31a3d013f8

• https://chat.openai.com/share/7971c36d-c642-4508-905c-001b87db6f54

1.2 Advanced Prompt pattern

• https://chat.openai.com/share/559838e2-a63d-4389-be7a-10b97786c0c9

• https://chat.openai.com/share/c3b86d41-b9ab-4fdf-945c-152f6de6fc10

• https://chat.openai.com/share/139fcdd1-eb5e-4128-a7c1-fc320bf19662

• https://chat.openai.com/share/a6dc8f0f-dbde-4100-b8f0-daa6989db616

• https://chat.openai.com/share/5ef52675-f0bd-4efe-ac36-b55b504a65fc

2. Interactive Maps

2.1 Basic Prompt pattern

• https://chat.openai.com/share/7504daf8-2683-40ff-8a88-20b58c800bab

• https://chat.openai.com/share/1d0d0d73-d3ca-4e1a-b2b1-ada8a990f06f

• https://chat.openai.com/share/1b9e97da-3936-44f5-bc9b-860fccedb114

• https://chat.openai.com/share/32478f5e-47ca-4c51-b35b-214d3ba79090

• https://chat.openai.com/share/f67d0a17-e253-440b-a430-1daf94c29f72

2.2 Advanced Prompt pattern

• https://chat.openai.com/share/12607c2e-5bb4-4dc0-acc0-a5fa3a3e02e4

• https://chat.openai.com/share/40ce52d0-250b-43f4-bd6f-8c1e51c924ab

• https://chat.openai.com/share/e867706a-5658-4d72-842f-a6d6616e23de

• https://chat.openai.com/share/bfa7e0df-a05a-4bfa-b034-223a222a2907

• https://chat.openai.com/share/061694a8-0084-4e65-93b2-e360eafa340f