Meghalaya is one of the north-eastern states of India, covered, mostly in forest. But that isn’t what it is famous for. Meghalaya is famous for its rain. Mymosar and Chirapunjee, the places that won the guiness world records for the most rainfall in a year are both situatuted in Meghalaya. It’s a wet, cold, and muddy place. But I want to visualize whether the drastically changing climatic conditions all over the world and global warming, has it’s repercussions in Meghalaya. In short, Is the rain fall in Meghalaya affected by the changing global warming? Does it show in the amount of rainfall over last 100 years?

Truthfulness:

I chose to keep the temperature and rainfall plot in separate subplots rather than just one plot with two axis to avoid misleading people with different axis range.

Beauty:

I kept the colours to a minimum. Main objective is to see the trend of rise or fall. Avoided unnecessary spines and ticks to ease the understanding.

Functionality:

This is a scatter plot. I could have gone with line plot, since it is a time series. But my goal was to open up people to understand that there is downward trend in climate change. For that, instead of line plot, which would look like a mess, I chose to give scatter plot with a linear trend line. Scatter plot gives the true values and trend line conveys the message

Insightfulness:

Finding out that the Guinness world recording holding states is slowly having its troubles of global climate changes is the insight here. And that was the goal.