Okay, now we move on to topic modelling. On the left you can see the different topics that were generated from the comments. These were generated by uploading the cleaned csv file to gemini and asking it to provide the top 10 topics of relevance from the comments.

The graph on the left displays the number of times a topic was mentioned in the comments. It is no surprise that the economy led the discussion with over 250 mentions. The video mentions that the countries that consistently top the list are Eurpoean/Nordic countries which follow socialism as an economic philosophy. Countries that follow capitalism barely make it to the top 10 the list. This is an interesting find which we can be further researched upon.

The graph of the right displays the polarity score of each topic. As Bola mentioned from the previous slide most of the comments are either positive/neutral with a few of them being negative. Some the comments mentioned negative comments about their own countries, not the one in the top 10. So, the results will vary.

The next slide displays the correlation heatmap between the topics extracted from the comments. The heatmap is mostly self-explanatory as most topics have a strong correlation with each other, I won’t go into details as we are short on time.

The next image displays the centrality and betweenness among the topics. The key topics at the centre; which are: Economy, Government and Social Support. Again, the video mentions that the people find these characteristics to be the most important when it comes to good quality of life.

Moving on to the dendrogram on the right. It is divided into 2 main branches/clusters; on the left the topics are: Healthcare, Education, Climate, Safety & Security, Social Support and Religion, on the right the topics are: Immigration, work-life balance, economy and government. The dendrogram basically implies how similar the clusters are.

It can be inferred that the cluster on the left is more related to day-to-day quality of life and the cluster on the right is more related to work and the economy.

This has been a brief overview, we can dive deep into more details in the final presentation. Moving on to conclusions.