Muhan’s writing sample

1. Introduction (1-2 pages)
2. Literature Review (5-6 pages)

* Review works on global prosperity
* Review works on national freedom
* Why we study the relationships between these two variables
  + What researchers have already known
  + What is the significance of this data analysis

1. Method (2-3 pages)

* Where and how you collected this dataset
* Introduce each of the key columns/dimensions (what are they, how they were measured and quantified in the initial report)
* Data preprocessing/wrangling
* Models to use and analysis plan

1. Analysis (details of the results) (4-6 pages)

* Basic stats descriptions (correlation, heatmaps, etc. from your teammates’ work,\* make sure you acknowledge their efforts somewhere in the manuscript \*)
* Come straight forward to the prediction model part
  + Your core model: DT and analysis details (model parameter, model adjustments, evaluation, etc.)
  + Model comparison: DT as a benchmark (other models here)

1. Discussion (2-3 pages)

* One paragraph summarizes all the core works (high-level, big picture)
* Discuss what you learnt, the most important and interesting findings you got point by point (e.g., four variables stand out, empirically and theoretically)
  + Corruption –(+)🡪 X variable

1. Conclusion, limitation, and future work (2 pages)

* Again, summarize the work (remark)
* Limitations
* Future works

1. Reference
2. Appendix (tables, figures, other materials)