

## Group Assignment Rubric

1. Each group is assigned one research article which employs ML/econometric analysis using publicly available data. The aim of the assignment is to give hands-on training to students while exposing them to various research questions, data sets and machine learning techniques.
2. Based on the paper, each group needs to replicate the analysis given in the paper. It includes:
  - 2.1 Downloading and cleaning the data
  - 2.2 Understanding the research question and creating the variables as discussed in the research paper.
  - 2.3 Providing descriptive statistics for each variable that has been included in the paper.
  - 2.4 Replicating all the ML/econometric exercise described in the research article using relevant machine learning technique.
  - 2.5 Interpreting the results obtained in the context of the research problem.
3. For the assignment each group needs to submit the following:
  - 3.1 Brief summary of how you replicated the paper [2%]
  - 3.2 Results from the analysis in tabular form. [5%]
  - 3.3 Interpretation of the coefficients and their relevance in the context of the research paper. [5%]
  - 3.4 R-script file used for the analysis. [4%]
  - 3.5 Extra points if you can suggest any better technique for the given research question and justify the same. [4%]
4. The deadline for submission is - 15th April 2023.
5. After the submission, each group has to present the paper and their results. Rubric for the presentation will be shared later.[10%]