CMPS 262

Fall 24-25

Capstone-3

In this last milestone, you will be working on the problem + dataset(s) you chose and developing the intelligent analyses you described in capstone 2.

*Instructions:*

1. Go back to capstone 2 and retrieve:
   1. the dataset(s) chosen
   2. the research question(s) you were pursuing
   3. the intelligent analyses you described:
      1. regression
      2. classification
      3. graph analytics on knowledge graphs
      4. any EDA for trends analysis
      5. any unsupervised learning for trends analysis
2. Implement at least three out of four intelligent analyses from the ones listed above (2.i-2.v). People who chose knowledge graphs must include graph analytics modules (e.g. link prediction, clustering, visualization of trends, etc) (60%)
3. Evaluate the results quantitatively in a manner consistent with every intelligent solution you are presenting (e.g. accuracy and F1 scores for classification, RMSE and R2 for regression, etc) (20%)
4. Evaluate the results qualitatively in a manner consistent with what you had envisioned about the impact of your project (e.g. what would you tell stakeholders now about your final solution? Would they be convinced of your results and why?) (20%)
5. Submit all your codes via a publicly available Colab folder so we can replicate your experiments using the dataset(s) you submitted in capstone 2.
6. Submit your report detailing your rationale in questions 2-4 above in pdf on Moodle and include the colab link within the report.

*Deadline: Thursday, December 12, 2024*