Datathon Judging Rubric

Category	Scoring Criteria
Non-Technical Executive Summary	**Insightfulness of Conclusions** ● Chose relevant question and provided clear motivations for their decision ● Exhibited precise, nuanced conclusions as opposed to blanket (over)generalizations
Technical Exposition	**Wrangling & Cleaning Process** ● Conducted proper data quality control, such as handling missing values, outliers, errors, and non-normalized fields ● When appropriate, made clever transformations of different data fields to better join/use them together, justifying any unconventional tactics used ● Discusses any feature engineering performed and motivations for it
	Investigative Depth ● Conducted a multi-step EDA process with proper visualizations at each step, explaining why they used the visualizations they did and how the results informed and/or motivated their subsequent decisions ● Generated, tested, and interpreted the results of informed hypotheses ● Synthesized the partial results from individual analyses well
	Analytical & Modeling Rigor ● Reflects proper quantitative methodology as well as more qualitative components like outlier, residual, and mediator/instrumental variable analysis ● Assumptions and choices are reasoned, paying particular attention to the feature selection process ● For models, analyzed performance and discussed shortcomings ● For visualizations/statistical tests, discussed motivations behind the particular ones built and what they illuminate
	Creativity & Miscellaneous ● Generally will not make or break, but if team exhibits unusual creativity (e.g. bringing in an unexpected outside dataset, drawing a rigorous analogy to a different context) or an “X-Factor” not covered by the above, this can push them over the edge