

Title: Dynamic Rythms

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Objective: Complete the Dynamic Rythms data challenge by the May 1st competition deadline.

679 Final Project Proposal

As of writing this proposal there are 26 days left until the submission deadline. The grading scale is categorized into 5 sections. There are 3 full weeks left until the week of the deadline, the rough allocation of this time is:

1. Week 1: Data handling and preprocessing
2. Week 1: Feature engineering and justification
3. Week 2: Model development and performance
4. Week 3: Interpretability and insights
5. Week 3: Solution clarity and reproducibility

Submission is the Thursday of the 4th week and we will spend that week putting on the finishing touches. We will then be able to spend our time preparing for our presentation.

We have already begun with some initial EDA of both datasets without notable results, but we have become familiar with the data and the sorts of challenges we will need to overcome. For example, the storm dataset includes a 5-10 word description of each event and we are unsure how we can leverage this information.

Despite the rapidly approaching deadline, we believe that if we follow our timeline we will be able to come up with a high quality solution.