Submit a link to a GitHub repo containing

* A project plan named `project\_plan.docx`
* A PowerPoint presentation
  + ONLY INCLUDE 1 PPT FILE OR TAS WILL GRADE THE 1ST (1) ALPHABETICALLY
* Predictions for the next 12 periods named `predictions.csv`

Points (rubric updated soon)

1. Group work – 20 Points
   * Project plan in GitHub repo by April 27 @ midnight - 10 Points
   * Every group member appears in the git log - 10 Points
2. Presentation – 40 Points
   * Amazing Presentation – 40 - Shows understanding of time series models but also explains to people who are not business analytics oriented.
   * Great Presentation – 35 - Shows understanding but maybe isn't clear to people who are not business analytics.
   * Good Presentation – 30 - Has issues with understanding and communication
   * Presentation with major issues – 25 - Major issues
   * Presentation turned in – 10 - Something turned in
3. Based on Predictions on New Data – 40 Points
   * Top 3 Groups – 40 Points
   * Everyone else – Comparison to third-best group

***Project Steps***

**Coding**

1. Clean data / determine transformations to make
2. Create training and holdout data sets
3. Create and audition models (doing transformations inside models)
   1. Neural Network
   2. ARIMA
   3. Seasonal ARIMA
   4. Naive?
   5. Others?
4. Analyze models - making choices based on lowest AIC values
5. Forecast data
6. Submit

**Presentation**

1. Display data cleaning techniques
2. Describe models created and methodologies behind them
3. Present the AIC metric and what it means
4. Discuss analysis used to select the best model

***Meeting Times***

* Sunday 4pm → discuss project progress