**Project 1 Group 05 Proposal: Shark Attack Deep Dive**

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1. What is your dataset and why?
   1. [**Link to kaggle dataset**](https://www.kaggle.com/datasets/teajay/global-shark-attacks)
2. Why do you want to explore this as a group?
   1. **Shark week is coming up and we wanted to dive deeper(no pun intended) into shark attack data**
3. Three research guiding questions.
   1. High level, not set in stone
      1. **Is there a relationship between species vs fatality?**
      2. **Is there a relationship between gender and activities?**
      3. **What activity lead to the most fatalities?**
      4. **Is there any relationship with weather and attacks?**
4. Inspiration - other code/articles similar to your dataset
   1. **Pull in weather past weather data to find correlation**
   2. **Was there any spikes or decreases in activity after Jaws was released?**
5. Example visualization? you need at least 5 - typically 1-2 per research question
   1. **Violin Plot for Species and Fatality**
   2. **Bar Chart for Injury Type**
   3. **Bar graph of activities and count of fatalities**
   4. **Line chart of number of attacks over time**
   5. **World map of all attacks**
6. What are you regressing?
   1. **Is there a relationship between species vs fatality?**
7. Color palette
   1. [**Link to palette**](https://www.color-hex.com/color-palette/112421)
8. Roles & responsibilities
   1. **Grant** 
      1. **Clean data**
         1. **Country**
         2. **Location**
         3. **Area**
      2. **Final write up**
      3. **Bringing in historical weather data**
      4. **Research Question** 
         1. **World map of all attacks**
   2. **Bradley**
      1. **Clean data**
         1. **Year**
         2. **Time**
      2. **Regression Analysis**
      3. **Research Question**
         1. **Violin Plot for Species and Fatality**
         2. **Line chart of number of attacks over time**
   3. **Kelsey**
      1. **Clean data**
         1. **Injury**
         2. **Kelsey**
      2. **Construct the final power point**
      3. **Regression Analysis**
      4. **Research question**
         1. **Bar graph of activities and count of fatalities**
   4. **Catalina**
      1. **Clean data**
      2. **Research Question 2**
   5. **Lindsey**
      1. **Clean data**
         1. **Date**
         2. **Activity**
         3. **Age**
            1. **Turn into bins**
      2. **Research Question**
         1. **Bar Chart for Injury Type**
   6. PDF, professional complete sentences, screenshots as needed
      1. [LINK to GITHUB](https://github.com/HagenGrant/project-1-group-05)