Weather Course Homework Session 2

You have been asked to be the assistant Race Director in this Saturdays first race of the Winter Series, the Race Director has asked you to do the following,

Step-by-Step Guide

1. Download the Winter Series Races 1 to 5 GPX Files

Ensure you have the GPX files for races 1 to 5. These are available online, you can download them directly.

2. Review the Fleet and Estimate the Slowest Boat's Speed

- Review the fleet list to identify the boats participating.
- Determine the boat characteristics (e.g., type, length) to estimate the slowest boat's speed.
- As a general guide, slowest boats (small cruisers) might have an average speed of around 3-5 knots.

3. Review the Sailing Instructions for the Time Limit of Saturday's Race

- Check the sailing instructions document (often provided by the race committee) to find the time limits set for the race.

4. Upload the Races to Windy

- Windy is an online platform for weather forecasting. You can upload GPX files to Windy to analyze routes and conditions.
- Use the estimated slowest speed to analyze each course. This can be done by plotting the courses and setting the speed to simulate the time it would take for the slowest boat to complete the course under current wind conditions.

5. Recommend a Course for the Slowest Boat

- Based on the analysis from Windy, recommend a course that ensures the slowest boat can finish within the time limit.

6. Download the Blairegowrie Race GPX File and Upload to Windy

- Follow the same process to download and upload the Blairegowrie race GPX file to Windy.

7. Estimate Your Finish Time Based on the Wind

- Use Windy to analyze the wind conditions along the course.
- Calculate the estimated finish time by plotting the course and using the average boat speed adjusted for wind conditions.

8. Determine the Current During the Race

- Windy also provides current information. Analyze the current conditions along the racecourse to understand how much it will impact the boat's speed and direction.