

P8108: Group Project Proposal (Group 6)

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Part 1: Project Outline

We are interested in either conducting a literature review or an alternative analysis on a bladder cancer study and its associated dataset (`bladder1` in the `survival` package).

Literature Review: We would evaluate the strengths and weaknesses of the trial conducted and assess whether the assumptions undergirding the methodology are valid. We would also find a similar study to see if the methods used in the study are supported by other papers, particularly within the context of bladder cancer research.

Alternative Analysis: The original study utilized an actuarial approach to analyzing the dataset – we are considering conducting an alternative analysis by applying the Kaplan-Meier method to the data. As the exact event times are known for each record, we perceive this to be a legitimate alternative approach to what was done in the published study.

Part 2: Timeline

Between October 10 and November 14: if there are things to discuss, team weekly check-ins (3:00 - 4:30 PM)

November 7: Start drafting presentation

November 14: 80% of presentation done

November 21: In-class presentation

December 5: Start drafting report

December 12: 80% of report done

December 19: Submit final report

Part 3: Group Roles

We will try to do most of the project together through real-time/in-person meetings. If there are any tasks that need to be completed outside of these meeting times, we will divide them between the group then. Waveley will act as team lead as needed.