

## **STA475 Pick your Path Project Proposal**

1. Which option have you chosen for the Pick your Path Project (1-4)?

**A: Option 1 - Poster**

2. Will you be working individually or in a group? If you'll be in a group, what are the names of all group members? Make sure you've all signed up for the same group on Quercus to make your group official.

**A: Group: Winnie Huang, Nicholas William Susanto, Jenny Lin**

3. Briefly describe your plans

- Option 1 (Poster of analysis): Tell me what data you will be using
- Option 2 (Video explaining concept to 3 audiences): What topic will you be explaining
- Option 3 (Infographic / Visual abstract): What academic research paper will you be working with? Please upload a pdf of the article as well
- Option 4 (Simulation study): What question do you plan on investigating in your simulation study and how you plan on simulating data.

**A: We will be using this clinical data of bladder cancer:**

[https://www.cbioportal.org/study/clinicalData?id=paired\\_bladder\\_2022](https://www.cbioportal.org/study/clinicalData?id=paired_bladder_2022).

Our question of interest is...

**How does sex, MSI score, mutation count of tumor (or fraction of mutated cells), and smoking status affect the survival of patients with bladder cancer?**

- **We plan to use tools like the AFT model, Wald test statistic, to answer our question.**

Questions for professor...

- **Is the number of our variables of interest enough? Should we explore more?**
- **What is the main focus of the process? More of a formal analytical poster? Informal poster for general audience?**

- Thank you 🙌 -