**Statistical Analysis**

*Aesthetics:*

* Labels: initials only please (C,C,C / C,C, G / etc…)
* Graphs: please organize in this format

|  |  |  |
| --- | --- | --- |
| G,G,G | G,G,C | G,C,C |
| C,C,C | C,C,G | C,G,G |
| C,C, C+Y | C+Y, C+Y, C |  |

*Analysis Questions:*

**Note:** Questions 1-4 pertain to Cornmeal and Glucose only. 5-6 will include Cornmeal + Yeast

1. Are the fungal infected flies dying more than controls?
   1. Are patterns different between male and females for each of the following questions (2-6)?
2. Do flies on glucose (G,G,G) present with a higher survival rate than those on cornmeal (C,C,C)?
   1. Hypothesis: Cornmeal condition will die faster than glucose condition
3. Within the cornmeal treatments, does decrease in survival rates slow down? Or does it depend on the timing of the diet change?
   1. C,C,C versus C,G,G (Day 1, post spray)
   2. C,C,C versus C,C,G (Day 9, post spray)
4. Within the glucose treatments, does decrease in survival rates speed up? Or does it depend on the timing of the diet change?
   1. G,G,G versus G,C,C (Day 1, post spray)
   2. G,G,G versus G,G,C (Day 9, post spray)
5. Does decrease in survival rate slow down?
   1. C,C,C versus C,C,C+Y
      1. Is this treatment equivalent to C,C,G?
         1. Compare C,C,C+Y versus C,C,G
      2. Is the treatment C+Y, C+Y, C equivalent to G,G,C?
6. Does the timing of nutrient matter?
   1. C+Y, C+Y, C versus, C,C,C+Y