**Statistical Design Consulting**

**SEMESTER REPORT**

**Spring 2025**

**Client:** Cristiane Ferrarezzi  **File Number:** 25-039

**Department:** Environmental and Ecological Engineering **Major Prof:** Dr. Andrew Whelton

**Consultant:** Sumeeth Guda **Initial Meeting Date:** 04/02/25

**Meeting Attendees:** Sumeeth Guda, Cristiane Ferrarezzi, Dr. Bruce Craig, Dr. Andrew Whelton

**Statement of Problem:** What is the impact of the insurance companies with the disaster response during the 2025 Los Angeles fires?

**Goal of This Project:** Journal Article

**Background:**

The client is a PhD student in the EEE department who is creating a survey to understand the needs and experiences of households who were impacted by the 2025 LA fires. This survey will ask about:

1. Property and household characteristics.
2. Experiences and attitudes when participant first returned to their property.
3. Property cleanup perceptions and activities taken.
4. Experience and interactions with insurance companies.
5. Unanswered questions and unanswered future plans.

The households and participants who will answer the survey are individuals who lived within and adjacent to the fire perimeters for both the Palisades and Eaton communities. The client formulated 19 different hypotheses from the survey which they will use for a journal publication. The primary reason for coming to the SCS is that they wanted statistical consulting to ensure they account for as many correlations for their journal publication. As well as learning techniques to analyze and formally test each of the hypotheses.

**Progress During Current Semester:**

After the IM meeting, Cristiane worked with Sumeeth on refining her hypotheses in the hopes of developing strategies to solve the problems. But after a period of no contact, Sumeeth reached out and asked for the updated hypotheses. Cristiane informed him that since they wouldn’t get the data until the end of May and that Sumeeth wouldn’t be available to consult on the project, Dr. Whelton felt that having another statistical consultant work on the project would be better, especially after the data is fully collected in May.

**Current Status: Continuing**