Front-end Report:

- Problem statement:
    - The UCCE Composting Education Program needs a solution that allows composters in Santa Clara County to see the impact that their composting makes and how much Santa Clara County composts as a whole because the UCCE's composting workshop attendees need motivation to continue composting and the UCCE Composting Education Program needs to be able to show the effects of their work to funders.
- Solution:
    - Create a webpage that shows users a summary of their composting efforts with different statistics and charts
    - Allow users to enter how much they composted to see statistics reflecting the positive impact
    - Use AR to promote their composting efforts
    - Using a calculator that converts amount of composted material into meaningful stats like how many equivalent miles driven by a car worth of CO2, total chart that shows how much composters across the Santa Clara have composted
- Critical customers: Workshop attendees and UCCE
    - Allows UCCE to show off their efforts and thus potentially getting attention for more funding
- Approach:
    - Make a website embedded within the UCCE CEP page, so it will be easy for users to find
    - Page takes in the compost data
    - Display graphs and stats summarizing compost contributions
    - Page does not send data to the Data Team, only a calculator and tool to display the data from the team

Discussions:

- Website that is accessible from laptop tablet and cell phone
- Embed the website into UCCE's using iframe
- EPA calculator which converted energy saving into different metrics
- Website only grabs data instead of providing more data
- Critical features:
    - The ability for our website to be embedded into the UCCE Composting Education Program website via an inline frame
    - Mobile and desktop compatibility, with a focus mostly on mobile devices (based on vknowledge of the critical customers)
    - A calculator component that allows the user to input how much they composted, in four different units (pounds, kilograms, gallons, or liters), and converts that input to useful statistics, such as the equivalent kilograms of CO2 saved by composting that amount, or the percentile of composters that the person was in (see Figure 2 for all statistics)

- A display of aggregate UCCE composting data. For instance, a pie chart of the total yard waste to food waste ratio and a histogram of community members' weekly composting quantities