

Name:_____

Date:_____

Trash Campaign Exploration

Instructions:

The survey questions/prompts for the Trash Campaign, a Participatory Sensing Campaign that was conducted at a number of high schools in the Los Angeles Unified School District (LAUSD), are provided below for your reference. Use the IDS public dashboard, <https://portal.thinkdataed.org/>, to answer the questions on the next page.

Survey Question/Prompt	Variable Name	Data Type
1. Please take a photo of your trash.	photo	photo
2. Please describe your trash.	trash_name	text
3. What type of trash? <input type="checkbox"/> recyclable <input type="checkbox"/> landfill <input type="checkbox"/> compost	trash_type	category
4. Where was this trash generated/found? <input type="checkbox"/> home <input type="checkbox"/> school <input type="checkbox"/> work <input type="checkbox"/> restaurants <input type="checkbox"/> stores/malls <input type="checkbox"/> in transit <input type="checkbox"/> others	where	category
5. What activity generated this trash? <input type="checkbox"/> eating/cooking <input type="checkbox"/> drinking <input type="checkbox"/> school work <input type="checkbox"/> cleaning <input type="checkbox"/> shopping <input type="checkbox"/> I found it <input type="checkbox"/> other	activity	category
6. Where did you put this trash when you were done? <input type="checkbox"/> recyclable <input type="checkbox"/> trash <input type="checkbox"/> compost/green waste <input type="checkbox"/> litter	disposal_bin	category
7. How many recycling bins can you see from your location?	recycle_bins	number
8. How many trash/landfill bins can you see from your location?	trash_bins	number
9. How many compost/green waste bins can you see from your location?	compost_bins	number
AUTOMATIC	latitude	location (latitude)
AUTOMATIC	longitude	location (longitude)
AUTOMATIC	timestamp	date, time

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- a. How many observations are in this data set?
- b. Where was the majority of trash generated?
- c. How many of the observations were generated at school? At work?
- d. What material or item was most commonly thrown away?
- e. Between what hours is the largest percentage of trash generated at home?
- f. Which activity generates the largest percentage of landfill-destined trash?
- g. Is eating or drinking more likely to generate a recyclable piece of trash?
- h. When recycle bins were present, what percentage of the time did a recyclable item end up in a trash bin?
- i. When recycle bins were present, did a higher proportion of recyclable items end up in the trash bin when people were at home or at school?
- j. When someone littered, how many times was the person not around any type of waste receptacle?