SATISFEED SPRINT 1 RETROSPECTIVE

TEAM MEMBERS & ROLES

Caleb—Team Manager and Visualizer

Damaris—Data modeler and Documenter

Elizabeth—Client liasion and Analyzer

OUR CLIENT: SATISFEED

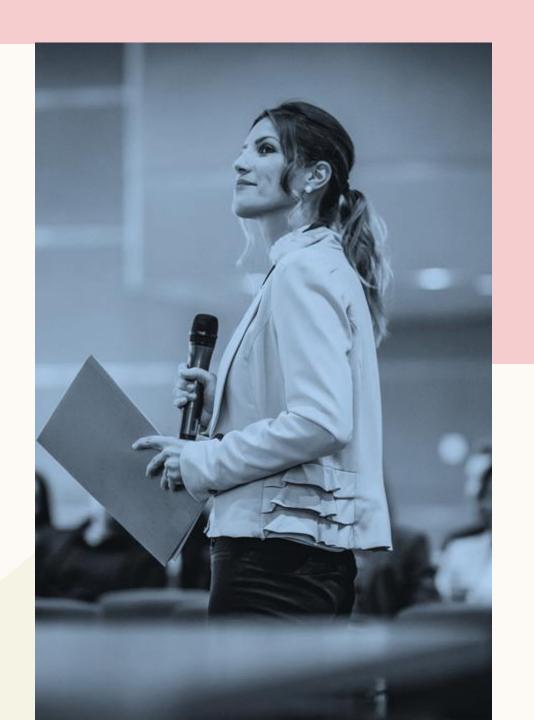


Dashboard showing impact and predicted needs.

- How many people reached
- How much food they need
- Where people come from

SATISFEED BY THE NUMBERS

- Serves ~56,000 families
- Weekly distributions
- >1500 pounds of food



Project start date:	1/15/2025					January												February											
Scrolling increment:	0					15	5 16	17	18	19 2	20 2	21 22	23	24	25 2	26 2	7 28	29	30	31	1	2	3	4 5	6	7	8	9	1
							_																						
Milestone description	Category	Assigned to	Progress	Start	Days	W	ν	F	S	s I	м	T W	Т	F	S	s N	Т	W	т	F	S	s	М	T V	/ Т	F	S	S	1
Sprint 1																													
Write Requirements	Med Risk	Elizabeth	100%	1/26/2025	2																								
Meet With Client	High Risk	Team	100%	1/26/2025	1																								
Start Sprint	On Track	Caleb	100%	1/27/2025	1																								
Gather Datasets	Med Risk	Elizabeth	100%	1/27/2025	3																								
Clean Datasets	Low Risk	Damaris	100%	1/30/2025	4																								
Script Vlog	Med Risk	Elizabeth	100%	2/2/2025	1																								
Record Vlog	On Track	Caleb	100%	2/4/2025	1																								
Create Slides	High Risk	Team	100%	2/1/2025	5																								

DATA COLLECTION

- Our primary data set came from the client's management and reporting software
- We located additional data sets relating to demographics and school lunches

SECONDARY DATA SETS

- 1. Adding value to current data set
- 2. Client interest in school collaborations
- 3. Do demographics have an impact—and do we have them?

DATA CLEANING

- Removal of unnecessary columns
- Filling in NULL and NaN
- Used Python(Panadas, NumPy) to clean the data

SHOWING COLUMNS

```
# Setting the index to start at 1
    dfOriginal.index = dfOriginal.index + 1
    dfOriginal.head()
₹
                                                                                                                                                                                                   Is this a
                                                                                                                                      Assistance Amount
                                                                                                                                                                                Funding GNAP
                                                 Last Suffix
                     Entry
                              First Middle
                                                                Date of
                                                                              Street Street Apt
                                                                                                      City ...
         Case #
                                                                                                                                                             Unit Description
                                                                                                                                                                                                    DoorDash TEFAP
                                                                              Address
                                                                                                                                         Category
                                                                                                                                                                                 Source
                                                                                                                                                                                                     Pickup?
```

```
Df2 = df0riginal.drop([
     'Case Personal Income Sources',
     'Case Personal Expense Sources',
     'Phone Descriptions',
     'A race/ethnicity not listed here',
     'Gluten Free',
     'Vegan',
     'Vegetarian',
     'Jewish - Non-Kosher',
     'Nut Allergy',
     'None Apply',
     'Halal',
     'Pork-Free Home',
     'Other.1',
     'Does the household qualify for TEFAP?',
     'Receives Medicare',
     'Door Dash',
     'CSFP Client',
     'Food As Medicine Prescription (Grady Only)',
     'Food As Medicine Neighbor Program (Grady Only)',
     'Food As Medicine Graduate (Grady only)',
     'Other.2',
     'Prefer not to answer',
     'Proxy (Person who can pick up on your behalf)',
     'Agent Name',
     'Agency Name',
     'Description',
     'Funding Source',
     'GNAP',
     'Is this a DoorDash Pickup?',
     'TEFAP'
], axis=1)
# Showing a quick statistical summary of Df2
Df2.describe()
Df2.head()
```

DROPPED COLUMNS

WHY COLUMNS ARE DROPPED

Why we are not using these columns

Case Personal Income Sources

Case Personal Expense Sources

Phone Descriptions

Prefers not to answer

Arace/ethnicity not listed here

Gluten Free

Vegan Vegetarian

Jewish - Kosher

Jewish - Non-Kosher

Non-Jewish - Kosher

Diabetic

Nut Allergy

None Apply

Halal Pork-Free Home

Other.1

Does the household qualify for TEFAP?

Receives Medicare

Door Dash

CSFP Client

Food As Medicine Prescription (Grady Only)

Food As Medicine Neighbor Program (Grady Only)

Food As Medicine Graduate (Grady only)

Other.2

Proxy (Person who can pick up on your behalf)

Agent Name

Agency Name Description

Funding Source

GNAP

Is this a DoorDash Pickup?

TEFAP

The personal income column already shows how much income they bring

The personal Expense column already shows how much their total expenses are

we already have a phone numbers column

not enough entries

There are no entries

Not focused on food prefrences, only sticking to the columns that would be needed acording to our clients priorities/ not enough entries

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Not enough entries

Not enough entries

foods get picked up/ delivered either way

Not using since there are barely any entries

foods get picked up/ delivered either way

We already know that the agent name is the founders of satisfeed, volunteers who work with satisfeed, or from their website; which are all associated with satisfeed Only one agency name which is Satisfeed

There are no entries

There are no entries

The entries are either None or blank/ no entries

The entries are either None or blank/ no entries

The entries are either None or blank/ no entries

FILLING IN COLUMNS

```
▶ # Filling in the missing values with Unknown or None
    Df2.fillna({
        'Case #': 'Unknown',
        'Entry Date': 'Unknown',
        'First Name': 'Unknown'.
        'Middle Name': 'Unknown',
        'Last Name': 'Unknown',
        'Suffix': 'Unknown',
        'Date of Birth': 'Unknown',
        'Street Address': 'Unknown',
        'Street Apt Number': 'None',
        'City': 'Unknown',
        'State': 'Unknown',
        'County': 'Unknown',
        'Phone Number': 'Unknown',
        'Email': 'Unknown',
        'Gender': 'Unknown',
        'Education': 'Unknown',
        'Marital status': 'Unknown',
        'Household Size': 'Unknown',
        'Assistance Date': 'Unknown',
        'Assistance Category': 'Unknown',
        'Units': 'Unknown'
        }, inplace=True)
    print(Df2)
    Df2.head()
```

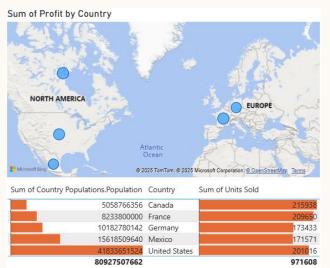
```
# Filling misiing values with NO
    Df2.fillna({
         'Asian': 'NO',
        'Black or African-American': 'NO',
        'Hispanic, Latino, or Spanish Origin': 'NO',
        'Middle Eastern or North African': 'NO',
        'Other': 'NO',
        'Pacific Islander': 'NO',
         'White': 'NO',
        'American Indian': 'NO'.
        'Prefers not to answer': 'NO'.
        'Undisclosed': 'NO',
        'Multiracial': 'NO',
        'Full time': 'NO',
        'Part time': 'NO',
        'Unemployed-Seeking': 'NO',
        'Unemployed-Not Seeking': 'NO',
        'Disabled': 'NO',
        'Retired': 'NO',
        'College Student': 'NO',
        'Not applicable': 'NO',
        'Unemployed': 'NO',
        'Veteran': 'NO',
        'Homeless': 'NO'
        }, inplace=True)
    print(Df2)
    Df2.head()
```

SAVING DATASET INTO A NEW CSV FILE

```
# Clean Dataset
# and saving it as a new csv file

Df2.to_csv('Clean_80169_assistance_report_01-28-2025.csv')
print(Df2)
```

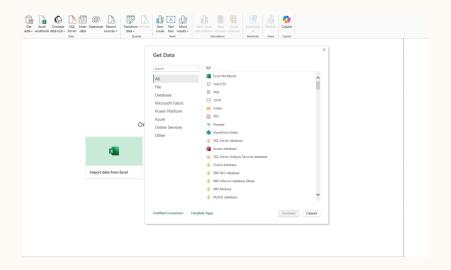
PLAN & TECNOLOGIES FOR VISUALIZATIONS







Our go-to notebook, colab!



Possible to connect directly to Oasis database management system?

BURNDOWN CHART



THANK YOU

And come help Satisfeed!