

Research

We talked to...

- 2 Sustainability Professionals, 1 AI Professional,
- 4 Culinary Professionals, 2 Storefront Workers,
- 10 Household Members



The key takeaways were...

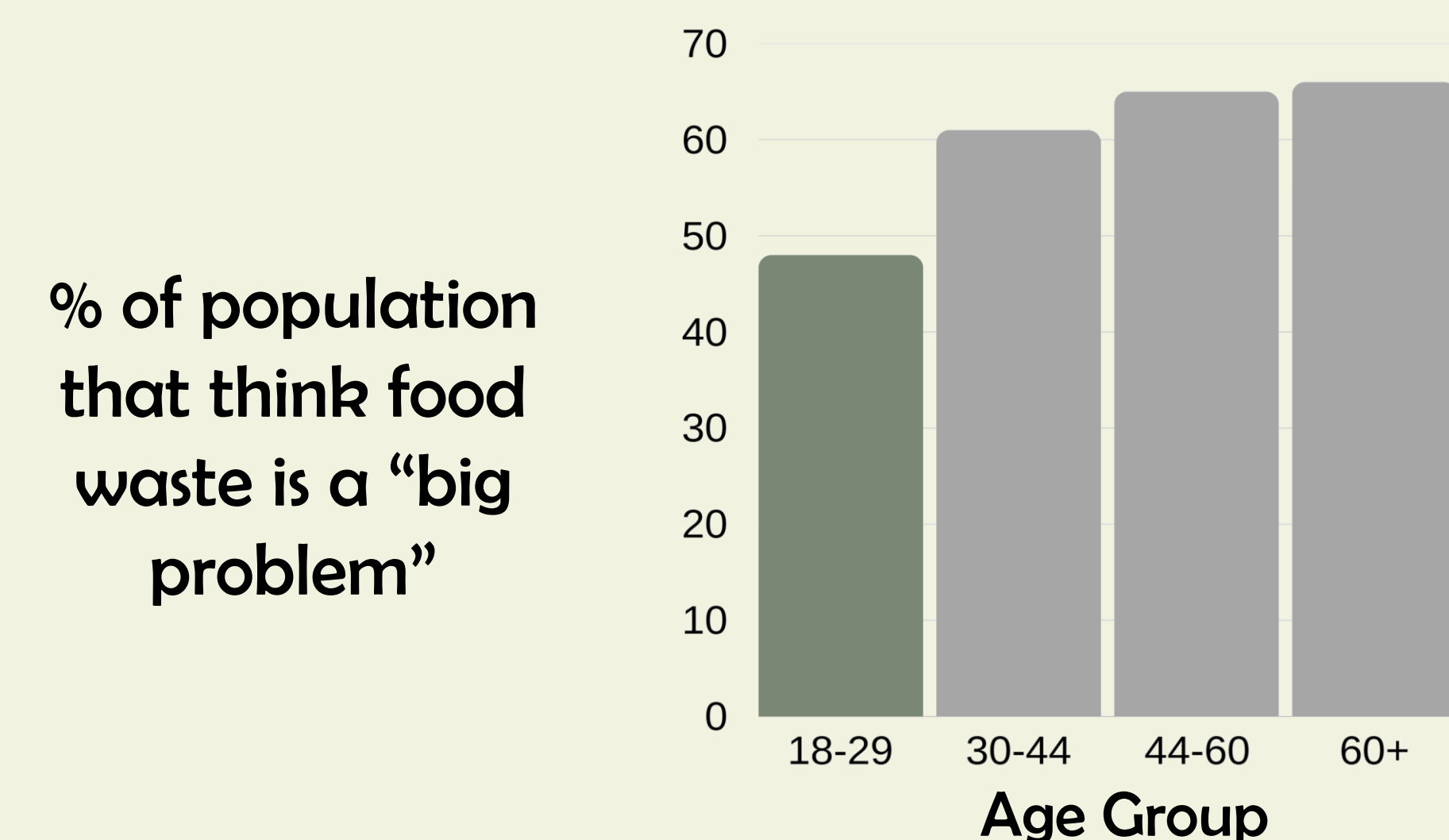
1. Organization is key—establish an easy way to track and store food
2. Target those who don't already care about food waste—give them a reason to
3. Start with a website—switch to an app later on

Focusing In



Households

Households account for over **61%** of all food waste. Our solution targets this sector to maximize impact.



Young Adults

Young adults (18–29) care **15% less** about food waste than older age demographics (Statista), making them our primary target for intervention

PITT | **SWANSON**
ENGINEERING
INNOVATION AND ENTREPRENEURSHIP

Micah Jabbour | Chanith Jayasooriya
Ian Kloiber | Jett Lincoln | Finn Ruderman

Can we utilize AI to

... reduce the over **1 billion tons** of food waste produced each year?

... save the **1 trillion dollars** that waste costs the global economy?

... fight chronic hunger, an issue faced by

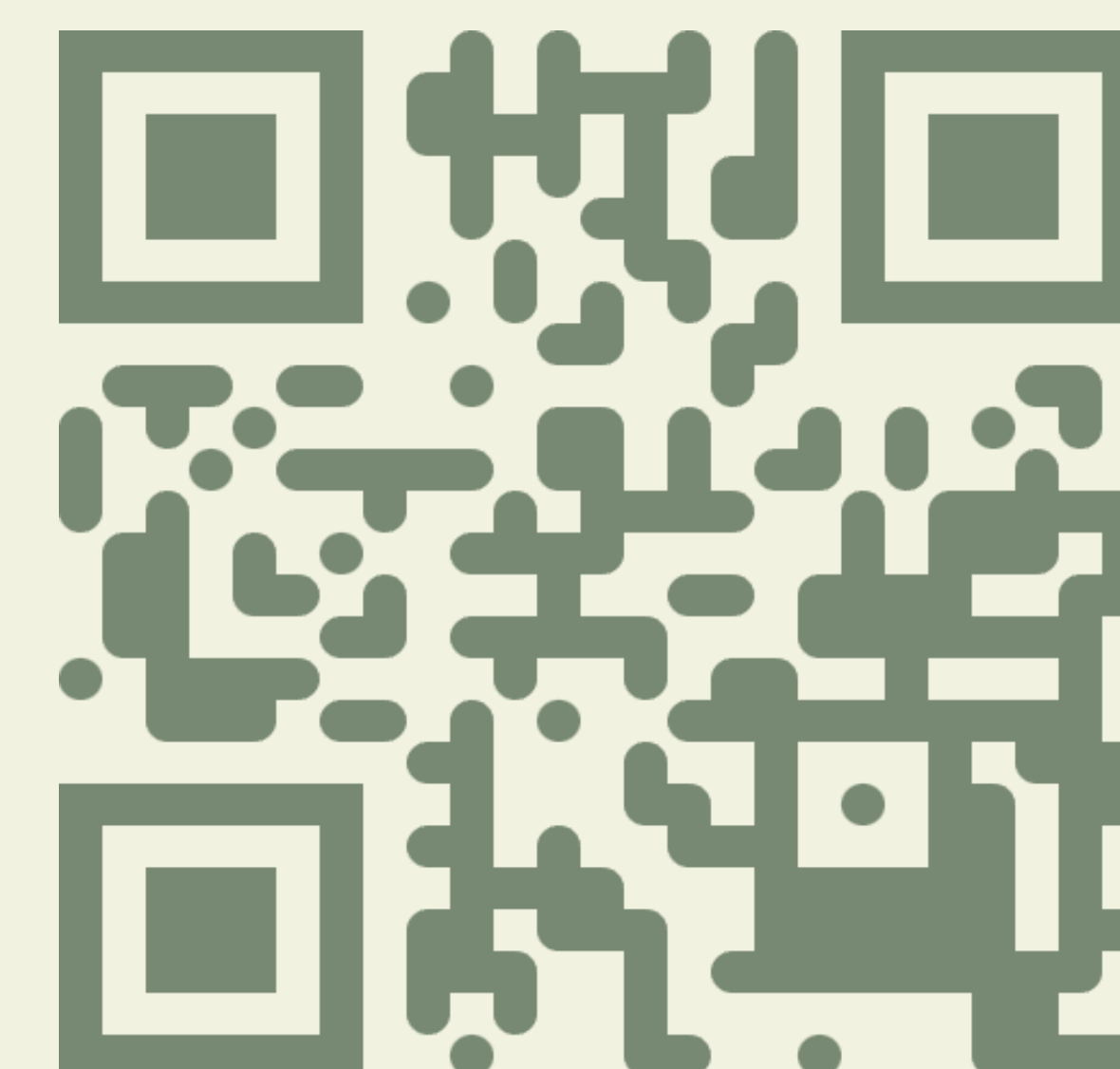
783 million people worldwide?

YES! With

ScrapSavor



SCAN TO TRY
SCRAPSAVOR
FOR YOURSELF!



Our App



Digital Inventory

- Logs all food in fridge, freezer, and cupboards into centralized database
- Tracks expiration for every food

Item	Category	Location	Qty	Price	Expires	Freshness
Bananas	Fruit	Counter	1	\$0.57	Apr 24, 2020	🟡
Avocados Each Hass	Fruit	Counter	1	\$0.99	Apr 24, 2020	🟡
Cucumbers Persian	Vegetables	Fridge	1	\$2.49	Apr 27, 2020	🟢
Meal Panzetta Cubed Citterio	Meat	Fridge	1	\$3.29	May 1, 2020	🟢
Organic Rainbow Yellow Tortilla Chips	Vegetables	Freezer	1	\$2.89	Jun 10, 2020	🟢
Chocolate Chunks Semi Sweet	Bakery	Freezer	1	\$1.99	Oct 14, 2020	🟢
Organic Sugar	Vegetables	Freezer	1	\$3.49	Apr 17, 2027	🟢
Beans Organic Garbanzo	Vegetables	Freezer	1	\$0.99	Apr 17, 2027	🟢
Traditional Red Kid Beans	Vegetables	Freezer	1	\$0.99	Apr 17, 2027	🟢
Spaghetti Tomato Sauce Organic	Vegetables	Freezer	1	\$1.49	Apr 16, 2020	🟢

Receipt Scanner

- Scans receipts from the grocery store
- Uses AI to log food automatically into the Digital Inventory
- Minimizes manual input for practicality

Waste Tracker

- Tracks how much food is thrown out
- Shows the user how much money they spent on the wasted food
- Quantifies food waste impact

Item	Date	Status	Waste Cost
Beans Organic Garbanzo	Apr 18	Used	\$0.99
Organic Rainbow Yellow Tortilla Chips	Apr 18	Used	\$2.89
Meal Panzetta Cubed Citterio	Apr 18	Used	\$3.29
Avocados Each Hass	Apr 18	Disposed	\$0.99
Organic Spinach Baby	Apr 17	Disposed	\$1.99
Potato Each Russet	Apr 17	Used	\$0.49
Carrots Whole Organic	Apr 17	Used	\$0.99



Future Plans

Menu Planning/Grocery List

- Recipe ideas based on digital inventory
- Automated week-long meal plans with grocery lists to reduce over-purchasing and increase consumer awareness

Cross-User Competition

- Global leaderboards pinning users against each other in amount and cost of their individual food waste
- Motivate sustainable habits through friendly competition and collective accountability