

ANALYTICS
FOR GOOD

Hackathon

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BUY**



Kickoff

Feb. 3rd, 2023

#AGIHackathon23 #analyticsforgood

Hackathon Schedule - Day 1

- 11:00-11:45: Opening Presentation
- 11:45-12:00: Grab lunch, get to breakout rooms
- 12:00-4:00: Team work time
(mentors will be attending)
- 4:00-4:30 Q&A with partner org
- 4:30-6:30: Team work time
- 6:00: Dinner available
- 6:30-8:00 Day 1 wrap up/networking



Hackathon Schedule - Day 2

- 7:30-8:00: Team check in
- 8:00-12:00: Team work time (mentors available)
- 12:00-12:15: Video presentations due
- 12:00-1:00: Lunch
- 12:00-1:30: Pictures with Goldy and tabling
- 1:45-2:30: Talking about a Hackathon on a resume and in interviews
- 2:30-3:00: Prizes/raffles/cookie contest
- 3:00: Final participants announced
- 3:15-4:15: Final presentations
- 4:15-5:00: Judging/snacks
- 5:00-6:00: Winners revealed!





What is Analytics for Good?

- Founded in 2019, Analytics for Good Institute (AGI), uses data and analytics to benefit the public
- AGI is uniquely positioned to leverage the best resources to use data and analytics to build communities
- AGI collaborates with governments, non-profits, philanthropic foundations, and private companies to improve people's lives.

**MCKNIGHT
FOUNDATION**



**SAINT PAUL
MINNESOTA**

Volunteer/Organizing Team



Lauren Merriam



Maria Moy



Aakriti Aneja



Lepakshi Ganta

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Thanks to our sponsors!



Last Year's Hackathon

- Minnesota Department of Human Services
 - Inform policy change on background check process
- 45 students participated
- Winning team consisted of two undergraduate, one MABA and one MBA student



"Our analysis showed the racial disparity in requested reconsiderations, suggesting African Americans especially may have a lack of info or have trouble getting details about this part of the process"

-Chensheng Zhao

Giveaway 1 - \$50 Gift Card

Hackathon's First Registration

Ash Kuroki

This year's partner is.....



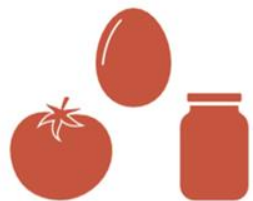
THE GOOD ACRE

FOOD + COMMUNITY



WELCOME TO

THE GOOD ACRE



*Farmers &
Food Producers*



*Wholesale Buyers
Farm Share Members
LEAFF Partners*

OUR FOCUS



Access to
infrastructure



Supportive
Services



Market Development,
Sustaining Markets



OUR MISSION

We connect and
strengthen farmers,
food makers, and
communities through
good food.

WHAT WE DO

Programs and services that support Farmers & Food Makers

- Warehousing & Shared-Use Commercial Kitchen
- Grower and Maker Business Development
- Market Programs & Buyer Support (ex: Farm-To-School Culinary Training)



REDUCING BARRIERS TO UNLOCK THE FOOD DOLLAR



\$1 spent with TGA = \$1.62
economic activity



Social benefits of economic
opportunity



Focus on racial equity,
emerging farmers

\$1,571,398

IN TOTAL PURCHASING
sourced from 129 farmers
and food producers

\$1,314,220

IN PRODUCE SALES



Produce 83%
Meat/Eggs/Dairy 14%
Value Added 3%



*of the 129 farmers and
producers we worked with in 2022
compared to 83% in 2021

57 FARMS SOLD US

\$5K+
IN PRODUCE

35 FARMS SOLD US

\$10K+
IN PRODUCE



53

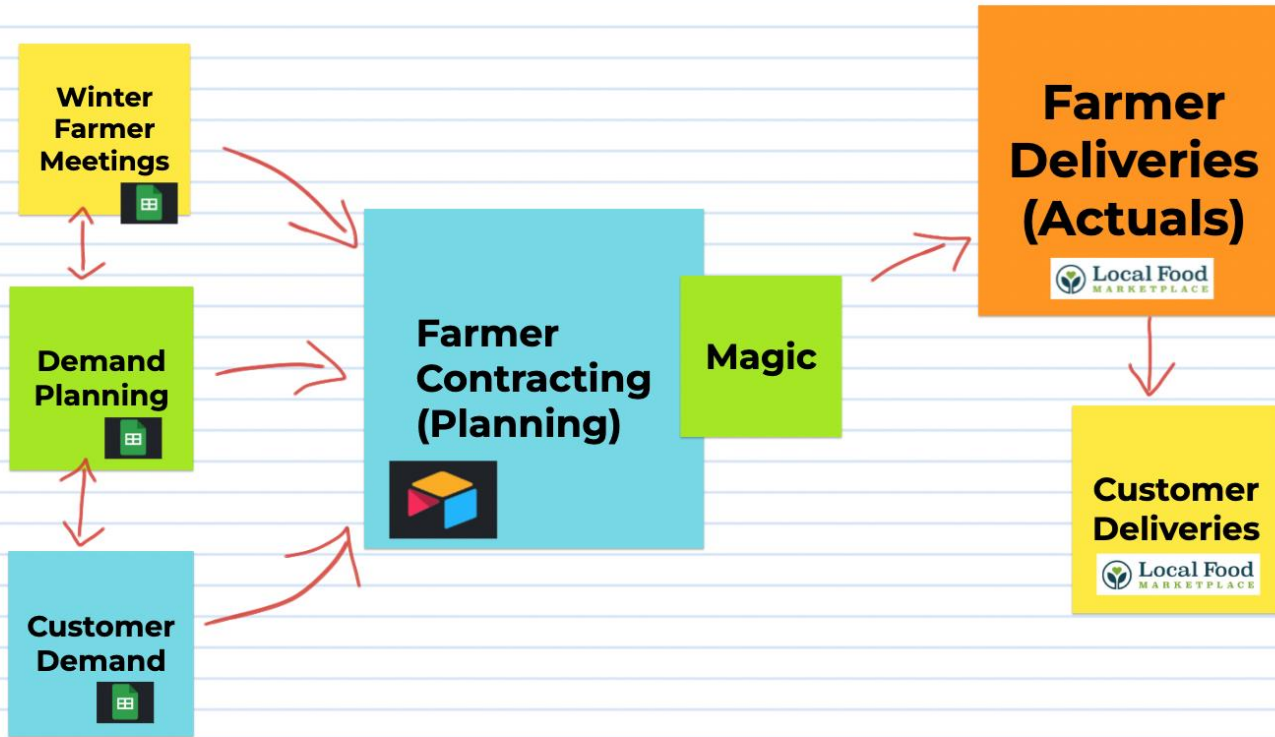
FARM VISITS
May–September



93

DIFFERENT PRODUCE
AND FOOD ITEMS SOLD

The Good Acre Contracting Process



Data Dictionary

Field	Description	Type
Distribution Date	Dates from our planning/ordering systems representing when a product is being distributed	Date
Delivery Week	Used the same way as Distribution Date, but refers to the Monday of the week of distribution	Date
Producer Code	3-letter code that is unique to each producer	Text
Product ID	4-digit code that is unique to each product (there may be some products that have more than one product ID due to a different spelling, these should be combined into one ID)	Integer
Product	Brief descriptions of each product, as a reference	Text
Quantity	Quantity of product cases planned or delivered	Integer
Unit Cost	Cost of one unit of product, paid to producer	Currency
Unit Price	Price of one unit of product, charged to the customer	Currency
Owns Land	Does the referenced producer own their own farmland?	Boolean
Access to Water	Does the referenced producer have access to water where they farm?	Boolean

Possible Questions to Answer: (Other relevant questions welcome!)

Given a specific producer, what is the probability that they are going to deliver on their plan?	Is there a statistically significant correlation between producer success and land ownership?
Give a specific product, what is the probability that it will be delivered according to planned?	Is there a statistically significant correlation between producer success and access to water?
Given a specific product, what is the probability that it will be delivered in the week specified?	Do we need to adjust our planning dates so that they better reflect the most likely delivery weeks for the products?
Which products are least likely to be delivered according to their plan?	Can we determine whether or not producer success was influenced by weather?
Given a specific delivery week, what is the probability that a product will be delivered?	Using these different probabilities, can we develop a planning factor, so that when planning, we can compensate in order to ensure that actuals align more closely with plans?

Next steps

- Grab lunch and then head to your assigned breakout room
- Mentors will help answer questions on where to start
- Slack channel will be used to make announcements
- 4:00 - 4:30 PM Will be a Q&A with The Good Acre in 3M auditorium
- Submissions format: Video Presentation, due at 12PM on 4th Feb, Send via slack DM to Aakriti Aneja

Good Luck!!

- Please take pictures and share them over Slack with us!

