

## Plan Overview

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*A Data Management Plan created using DMPTool-Stage*

**Title:** IFCM Simulation Program

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**Data Manager:** Raphael David , Ryan Horner

**Project Administrator:** Raphael David , Ryan Horner

**Funder:** Digital Curation Centre (dcc.ac.uk)

**Template:** Digital Curation Centre

### **Project abstract:**

The goal of our project is to create a simulation program using ARENA for the use of Intentional Foods Café & Market to simulate certain events cheaply and to make models out of their sales data. The ability to run simulations can help IFCM foresee scenarios and plan ahead for them, given their risk assessment level. This simulation program can also help with projecting sales numbers, keeping inventory supplies balanced with expiration dates, and determining the required workforce size for certain days to maximize profits. With this tool IFCM can help prepare itself to grow alongside its increasing customer base.

**Start date:** 08-31-2021

**End date:** 05-03-2022

**Last modified:** 11-12-2021

### **Copyright information:**

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## **IFCM Simulation Program**

Collecting sales, labor and food cost data from a point of sale system.

Created automatically with point-of-sale system. Project owners will export this data to extrapolate.

Legend or key detailing meaning of different categories, explanation of software capability and use.

Non-disclosure agreements have been signed with project sponsor.

Question not answered.

Data can be stored in excel as well as ARENA simulation software.

Point-of-sale system requires login access granted by project sponsor, ARENA software and simulations will all be done from one computer and account.

Simulation and data manipulation summaries will be formed into reports accessible to sponsor, ultimately allowing for an improvement of business practices and company performance.

Data will only be given to sponsor over email or physically. Project owners will store data in which they created for as long as deemed necessary.

To be determined.

Data would only be shared per sponsor's request.

Bryce Crumrine will be responsible for DMP documentation, Raphael David will be responsible for data reports, and Ryan Horner will be responsible for project timeline and sponsor communication.

ARENA simulation software knowledge and resources.

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