Plan Overview

A Data Management Plan created using DMP Tool

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: 09-01-2021

End date: 05-04-2022

Last modified: 07-08-2024

Copyright information:

IFCM Simulation Program

Data Collection

What data will you collect or create?

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

How will the data be collected or created?

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

Documentation and Metadata

What documentation and metadata will accompany the data?

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

Ethics and Legal Compliance

How will you manage any ethical issues?

Non-disclosure agreements have been signed with project sponsor.

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?

Question not answered.

Storage and Backup

How will the data be stored and backed up during the research?

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

How will you manage access and security?

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

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

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

What is the long-term preservation plan for the dataset?

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.

Data Sharing

How will you share the data?

To be determined.

Are any restrictions on data sharing required?

Data would only be shared per sponsor's request.

Responsibilities and Resources

Who will be responsible for data management?

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.

What resources will you require to deliver your plan?

ARENA simulation software knowledge and resources.