

MindArch Health Automated Pathway (MAP) TEST PLAN

MAP Model 1.0.1



IDENTIFICATION:

Project Name:	MindArch Health Automated Pathway (MAP)
Test Version:	MAP Model 1.0.1
Project Leader:	Keerthana Dutta, Laura Salinas Perez, Prabhakar Pandey
Date:	12/2/2024

*Only methodology presented due to no current functioning machine learning model for MindArch Health (ie. utilizing examples)

OBJECTIVE:

To create a functional machine learning model which can (1) identify key factors to help improve population-wide wellbeing (2) provide predictive solutions

SCOPE:

This plan will consist of testing three main areas in the following order (1) code (2) data (3) model. Utilizing different forms of testing ie. unit testing: components of code will be tested to ensure functionality. Data will be cleaned and split into three categories of testing, training, and validation to ensure no data duplication and leakage errors. The model will be tested to check integration between the model and database containing survey information. The model's functionality will be tested post-training to check if its functionality aligns to the needs of MindArch Health. Testing regarding the post-intervention analysis portion of MindArch Health's goal will not be done as part of this test plan.


STRATEGY:

Step	Testing Methods	Testing Leader	
1.1	• Unit Testing		
1.2	• Data Validation		
1.3	• Integration Testing		
1.4	• Functional Testing		

RESOURCES:

Will need the technology required to run these tests in a test environment alongside a test leader.

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 MindArchHealth

TESTING TIMELINE:

Date	Test	Function	Pass/Fail
M/D/Y	• ie. Unit Test	Score Output	
M/D/Y	•		
M/D/Y	•		
M/D/Y	•		