Abstract Title: Relationships between Mental Distress and Food Intake Parameters using Exploratory Data Analysis

April 27-29, 2022 Niagara Falls, NY

PUBLIC HEALTH PARTNERSHIP CONFERENCE

ABSTRACT PREVIEW: RELATIONSHIPS BETWEEN MENTAL DISTRESS AND FOOD INTAKE PARAMETERS USING EXPLORATORY DATA ANALYSIS

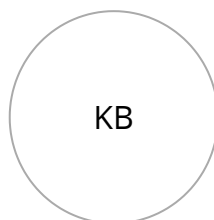[Relationships between Mental Distress and Food Intake Parameters using Exploratory Data Analysis](#)

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Proposal Format: **Student Poster Presentation**

Abstract Category: **Either In-Person or Virtual**

Abstract Status: **Active**

Presenter(s)

Kanishk Barhanpurkar

Position:

Graduate Research Assistant

Organization:

Binghamton University

Role:

Presenter

Bio

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Kanishk Barhanpurkar is currently a graduate student pursuing a Master of Science in Computer Science from the State University of New York at Binghamton. He is currently working as Graduate Research Assistant in the domain of Machine Learning & Data analytics.

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Abstract Details

Tracks

1st choice: Health and Behavioral Health in Communities
2nd choice: Social Determinants of Health: Place Matter

If your poster is selected to be displayed, will you be present at the conference to present on May 1st, 2020?

- Yes

Abstract Description

Dietary intake plays an important role in the development of physical and mental health. Vital nutrients support day-to-day activities and biological processes. The physical health parameters can be easily correlated with the type of dietary intake. However, mapping of mental health parameters is still an area in need of further research. It is a strenuous task as it is widely dependent on a broad spectrum of attributes. The dataset is collected from a survey study on a group of 227 individuals who are categorized based on

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their gender and age. A questionnaire that contains 26 parameters is used for collecting information related to dietary intake and mental health parameters. We have mapped the mental health and dietary intake parameters using Exploratory Data Analysis (EDA) and Data Visualization techniques. Distinctive patterns have been observed that describe the correlation between food intake and mental distress parameters. Additionally, the research outcomes also describe the attributes that help to elevate the factors for mental well-being and emotional health.