This archive contains files containing data and analysis from

Project ES/V011901/1

**A Smart System to Empower Healthy Food Choices**

**(Machine Learning component)**

The following files have been archived:

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| **File name** | **Description** |
| data/machine\_learning\_data\_v0.2\_2021-04-21.csv | .csv (comma separated values) file containing a dataset used for the machine learning analysis of food choices. The dataset was obtained from an experiment with 154 participants who made 30 choices of the healthiest food within a choice array of 6 options, given nutritional label data. This is a secondary data analysis and the original data collection was not funded by the grant.  The dataset contains 4260 observations (response trials) and 51 variables. |
| codebook.csv | This file contains descriptions of the variables in the dataset and their values. It is produced by the script codebook.R |
| codebook.R | Script used to produce codebook.csv |
| MachineLearningAnalysisScript\_v0.9\_2021-06-07.R | Analysis script used for machine learning based secondary data analysis of the shared dataset. |
| Metrics | This file folder contains secondary files produced by the analysis code MachineLearningAnalysisScript\_v0.9\_2021-06-07.R |
| Plots | This file folder contains plots produced by the analysis code MachineLearningAnalysisScript\_v0.9\_2021-06-07.R |
| ExperimentalMaterials.zip | This file contains copies of the images shown in the original experiment. |
| WorkingPaper\_2021-12-04.pdf | Working paper that reports the machine learning analysis from the data (machine\_learning\_data\_v0.2\_2021-04-21.csv). |