

README

Data Visualization Project for **Artificial Neurons.AI**

About Dataset- Physical and Mental health data of group of individuals

Submitted By-

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1. DATA CLEANING

1. Original dataset- children_stats_only (Number of sheets = 1)
Rows x Columns = 23 x 126
Cleaned dataset- assignment (Number of sheets = 7)
Rows x Columns = [(23 x 16), (23 x 15), (23 x 8), (23 x 9), (23 x 24), (23 x 25), (23 x 14)]
2. Columns Dropped = Prescription, Lab-Report, X-ray, Menopausal females only, What kind of sports, If Athlete, Participating categories (Reason- Either empty column or inappropriate values.)
3. Filled the missing values in the cells with possible values in columns – Diet, Allergy, 4. How much Time do you sleep in a day, 4. how will you describe yourself? sluggish/active/hyperactive.
4. Unnamed:0 column is changed to ID and used in every sheet as common column.

2. PREPARATION

1. Age provided in the dataset is inappropriate relative to other values, so age is not used to derive any conclusion.
2. Female=14 and Male= 9. Gender representation in dataset is not even, so no any conclusion is derived on the basis of gender.
3. ID column is used as index.

3. OBSERVATION

1. All the aggregate values and correlation for 'Height', 'Weight' and 'BMI' column is defined.
2. Non-veg(chicken) is most followed diet.
3. Addiction of alcohol intake, smoking cigars and other substance is belongs to the common group of individuals.
4. Majority of individuals have craving towards salt or sugar.
5. Based on medical test result, among all the individuals:
52.17% - are in Good health
08.70%- are in Relatively weak health
39.13% - are Unhealthy
6. In answering the questions about the feelings related to their own health by the group of individuals on the scale of 1-5. The most popular answer is 1 followed by 5.
7. All the individuals accept that they are in any kind of Medications.
8. 65.22% of individuals have family history of any kind of diseases.

3. CONCLUSION

Most of the individuals have irregularities in their lifestyle which imposes effects on their physical health and also on their mental stress level.