LAYOUT

DRUG CONSUMING BEHAVIOUR
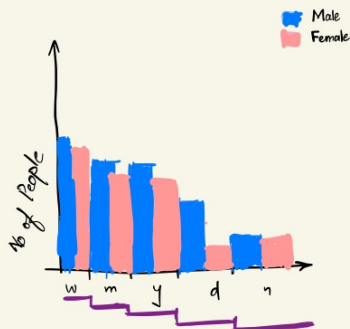
Drug [Alcohol]

Age	☑
Education	☐
Country	☐

25-34

18-24

34-44

Percentage of Population in Group

0   100

65+

45-54

55-64

week
month
year
decade
never
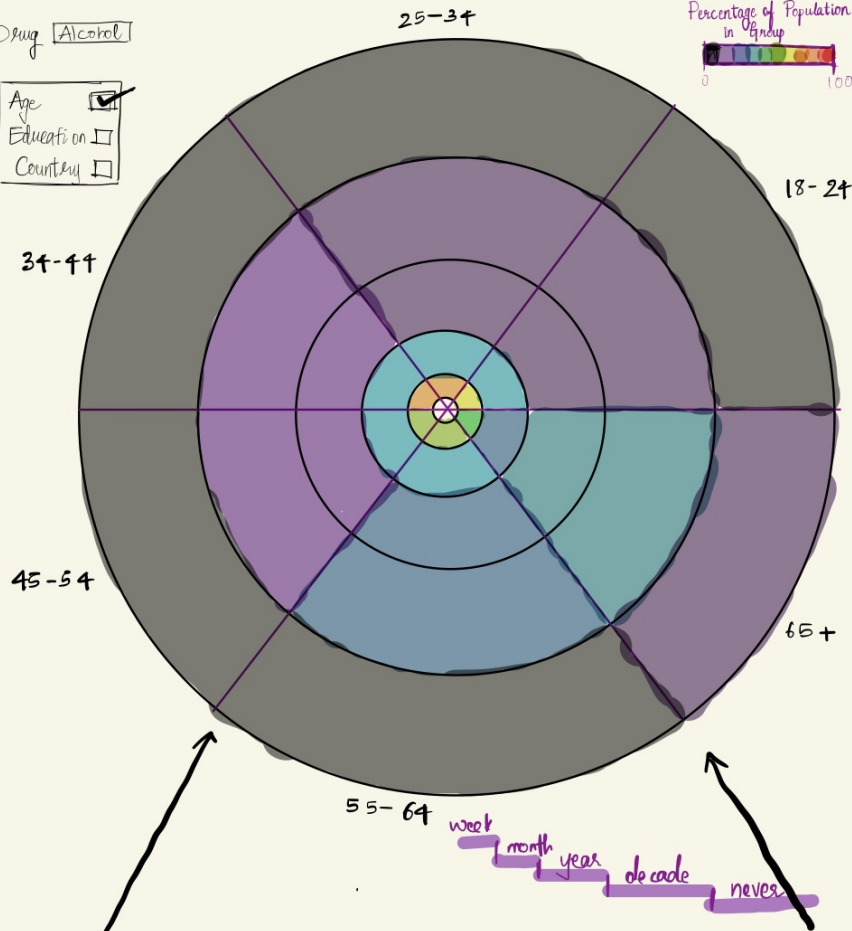
Number of people for an age group

■ Male
■ Female

% of People

w m y d n

Distribution of personal trait over age and drug.

Population density

☑ N-score
☑ E-score
☑ O-score
☑ A-score
☐ C-score
☐ Impulsive

score →
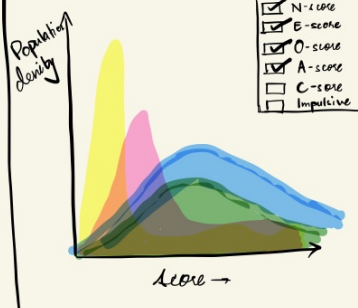
FOCUS:
- The porpose of this graph would explain efficiently the behavior of drug usage, which includes the frequency of drug consumption for the people who actively take and the last time of drug usage for the people who stopped consuming.
- Width of the donut-shaped graph represents the necency of drug consumption. For example. if it is less than a week it is located in the most inner part with the least diameter while if it is never consumed. it is located in the furthest part with the biggest diameter.

Title: Drug Consuming Behavior

Date: 2/3/2022

Task: Visualisation Drug Consuming Behavior For Age

OPERATION:

- When a user selects the type of drug and attribute such as age, education, or country, the donut-shaped graph would show the proportion of drug usage per group which is shown as equally devided.

- The colors on the donut-shaped graph represent the penentage of people in the subgroup which represents the duration of drug usage.

- When a user puts its cursor on the particular part of the donut-shaped graph, it would show the detailed number for the segments.

- When a user clicks a certain group, the subgraphs, the number of people by gender for the specifc subgroup of the attribute. and the distribution of personal trait over the selected attribute and drug would appear.

DETAILS:

- For the donut-shaped graph, we need to reclassify the subgroup of drug usage, from 8 to 5 groups. Then, the proportions of each subgraph are needed to be calculated.

- For the subgraph, the number of people for a specifc attribute, we need to calculate the number of people in each group by gender

- For the subgraph, distribution of personal trait, we need to define the different types of socres and ideal values.