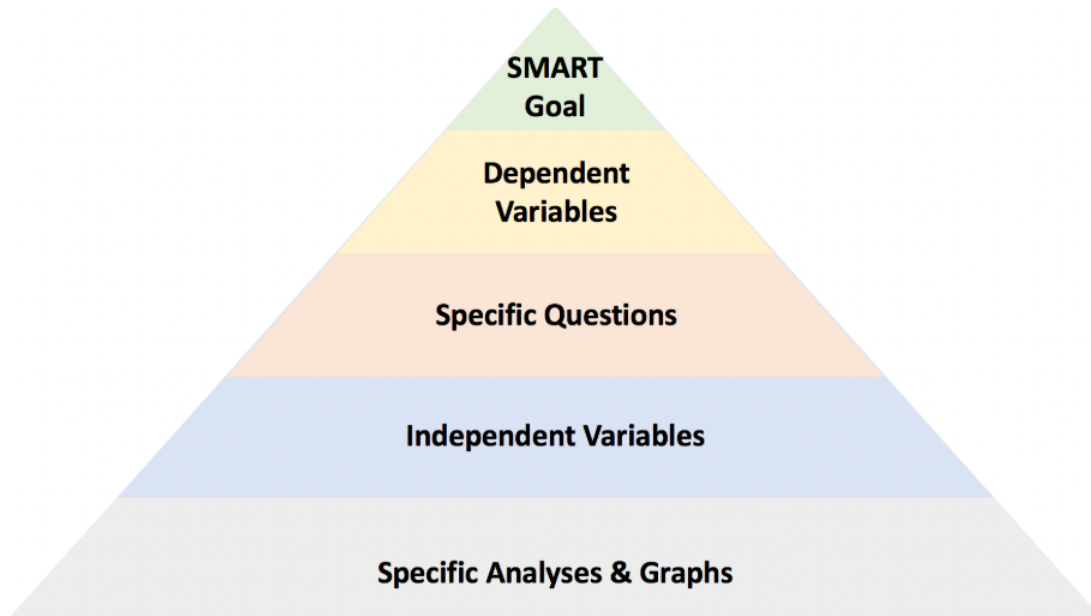


ANALYSIS PLANS

STRUCTURED PYRAMID ANALYSIS PLANS: An SPAP is outlined in the following image. The terms are defined beneath it.



SMART GOAL

Analyzing the role of gender in various creative activities such as music, hobbies, phobias, etc by using surveyed data of over a year.

DEPENDENT VARIABLES:

Following are the dependent variables in our project:

1. **Gender:** "Gender" in Young-Survey Database (Male and Female).
2. **Age:** "Age" in Young-Survey Database.

RELEVANT QUESTIONS AND INDEPENDENT VARIABLES

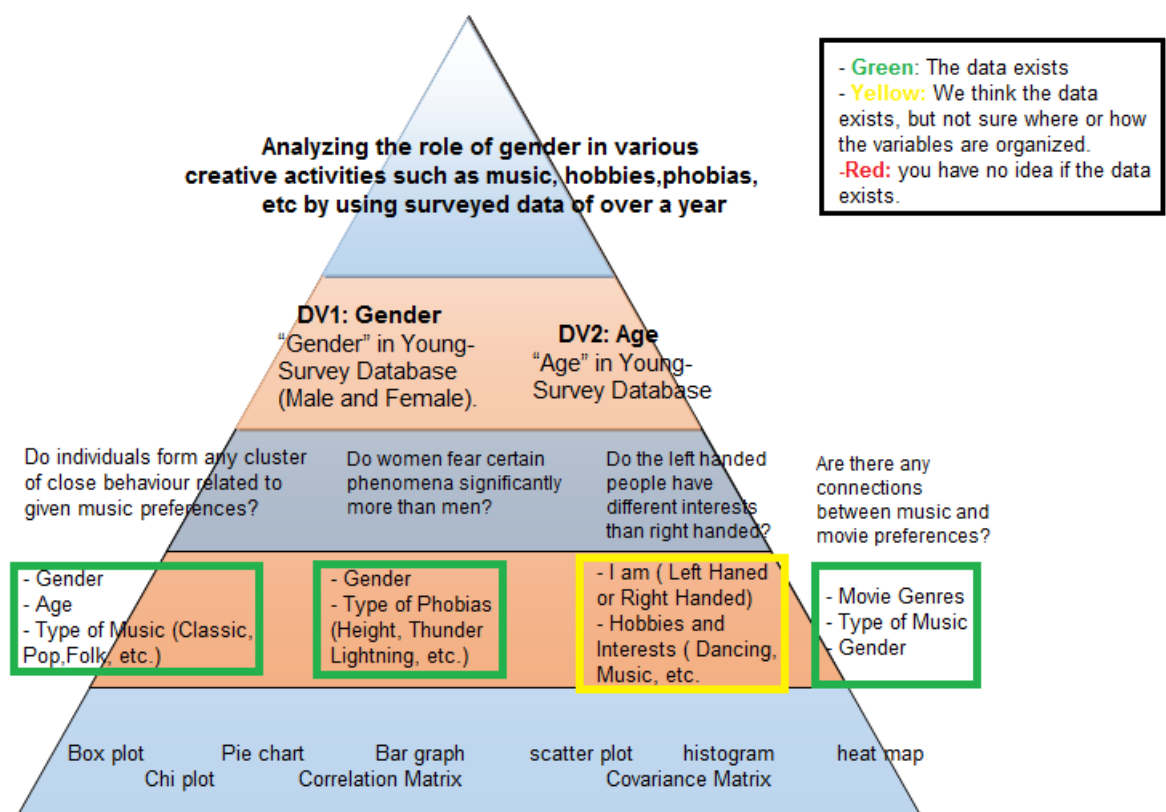
1. Do individuals form any cluster of close behaviour related to given music preferences?
 - Gender
 - Age
 - Type of Music (Classic, Pop, Folk, etc.)
2. Do women fear certain phenomena significantly more than men?
 - Gender
 - Types of Phobias (Height, Thunder Lightning, Public Speaking, etc)
3. Do the left handed people have different interests than right handed?
 - I am (Left handed or Right Handed)
 - Hobbies and Interests (Dancing, Music, Arts, History..etc)

4. Are there any connections between music and movie preferences?
 - Movie Genres (Horror, Thriller, Romantic, etc)
 - Type of Music (Classic, Pop, Folks, etc.)
 - Gender

VISUALISATION:

To get desired outcomes, we will use different visualisation tools and graphs such as:

- Box plot
- Pie chart
- Bar graph
- Scatter Plot
- Histogram
- Correlation Matrix
- Chi plot
- Covariance Matrix
- Heat map



KEY PERFORMANCE INDICATOR:

- What is the desired outcome?
Analyze the gender difference with respect to different creative activities.
- What is the key indicator of this dataset?
The variable "Gender" is the key indicator of the dataset.
- What is the Time Frame to achieve this outcome?
Within the time span of 2 to 3 months.

HYPOTHESIS:

1. The problem of testing the theory on Gender and Phobias can be formulated as :

Ho - Gender and Phobia are independent.
Ha - Gender and Phobia are not independent.
2. The problem of testing the theory on individuals form any cluster of close behaviour related to given music preferences.

Ho- People do have similar behaviour.
Ha- People does not have similar behaviour.
3. Do the left handed people have different interests than right handed?

Ho – LHP and RHP have different interests
Ha – LHP and RHP not have different interests.
4. Are there any connections between music and movie preferences?

Ho- Movie and Music preferences do not have any connection.
Ha- Movie and Music preferences may have some connection.