### TOBAS















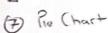
#### QUESTEON

- -> How will the GPA- related visualitions help to undustand the bactormore of colors Inphil
- How will the stacked hor chart effectively convey the accoss different Lancz67.

-> How might the use of Color offiching

Convey additional

### FILTER



Tree Map



I crelevant as this is a duplicate of Idea ()









Sinzilor to stacked per chart

### CATEGOREZE

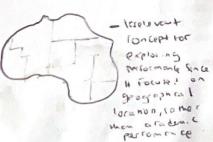
GPA-splaked 0,5,6

Grade-Celased

Attendance & Assignment

(2),(4)

#### (6) Chloropeth Map



### EDMBINE & CEFINE

(), (5) can be combined into a barchart with line graph on the same x-axis to show my miso suchois (GPA, Time)

(3) in be cofreel as a doctor file hatead.

(3) Can be be refined where on an data point represents a soudert, and me x-axis should the attendance sale while the y- axid Shows the firel grade.

### LAYOUT

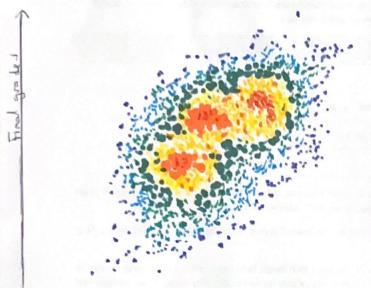
Course Filter 1 Math

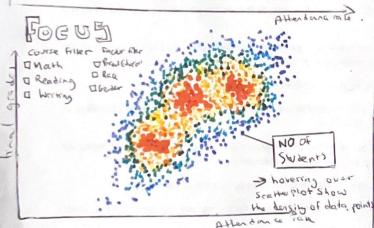
Factor Filer - Parent Education

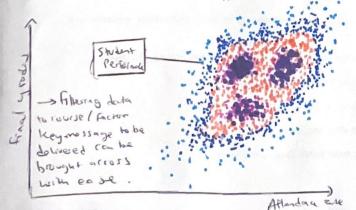
1 Reading

D Race 1 Bender

1 Writing







### TOPO

Tille: FITS147 Data Visual Forten

Author: Olawale LAWAL

Date: 13/05/5053

Sheet number. 2

#### OPERATION

-> Users can hover over each data point to see the details of that students Performing.

-> Users can use filters to narrow down the Easta Let based on the Criteria

- Users can also zoom in on Specific regions or plot to see more detail

#### OR SCUTT

- Combination of a scatter plot sheatmap allows users to see the density of decta points which can help to I denicy texterns and trends in the data

- Scatter ?101 allows users to see the Individual hades points borner atulare int fine grades .

-ve

- Dosign may be come (luttere d with a large dataset and It may be difficult to idulity Specific trends without additional data visualization

#### LAYOUT

(Conser A

VenR. 12021

Quarter

図 Q Z

四四日

### Facus



PARECE FOR

- -, Bor chart and line Chart will allow

  Usess to have an overall grasp of how

  the average grade and attendance rate of

  different Courses compare across dispuent

  aparters by fillering the data to just Q1

  the the many files, the top mossage can be

  delivered with ease.
- -> For greater (larly, toother will be shown when up in hover the bor clost or line that to disply the course /factor

# TENFE

Title: FIT5147 Data Visualisation Albert
AUthor: Old Half Lawal
Date: 13/5/2023
Sheet number: 3

#### NOITENSSO

- to the desired year and Quarter
- - -> Users can compare
    the average grade and
    attendance cate of
    different courses using
    the box chart ad line
    Chart respectively.

#### 0255099

#### +Ve

- -) Combination of bar (hort and line (hart helps to Provide a clear comparison between the two data factors.
- The use of a drop down
  Menu to filler between different
  Courses helps to focus on the
  Selected Course.

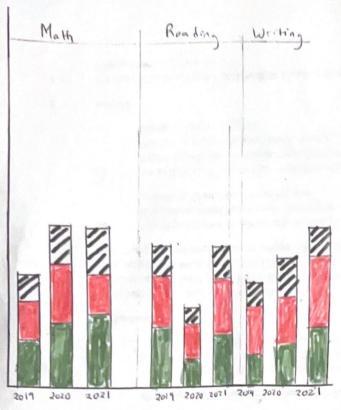
#### -Ve

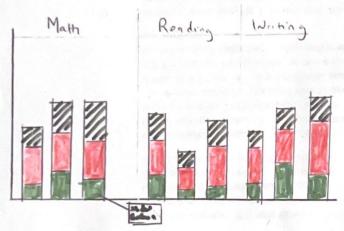
-> the design is not suitable

If the dataset horizes a

large number of rouses.

## LAYOUT





- X axis represents the different subjects, and the y- airs represents the percentage Score of the Students.
- The bars are stacked with different Colours representing the different performance Lovels
- There is also a filter available to Select the desired year

### II NFO

your file TI 2019 D 2070 1 202 l Tale: FIF5142 Data Visualization

Project

Author: Olawale Lawal

Date . 15/5/2023

Sheet number : 4

### OPERATION

-> Wors can filter the data based on the year they want

- > Users can hover each bar to see the exact percentage Store for each subject and Performance love 1

-> Users can click on a Specific bor to highlight It and compare it with the rest of the bous in the chart

### DESCUSS

tve

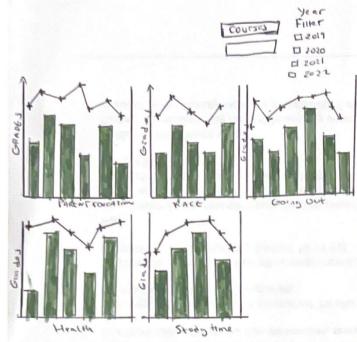
-> It communicates the key message of comparing the Performance of students across different Subjects and performance

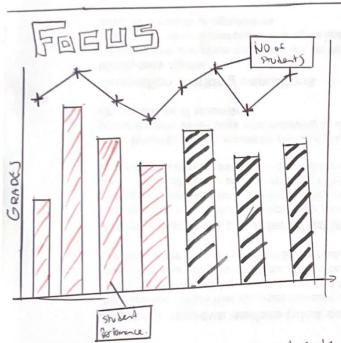
- The different colours used to represent he performance lovals make it easy for users to Identify which students are Performing above or isolow

- Ve

- It may be difficult to lampare the performance of students aross different years.

### LAVEUT





- -> Colour of bars chosen to represent make
- -> Upon fitering, havided has will be highlighted to another colour
- -> Toolfips will be shown when user havers over the boursor lines

#### 正四四回

Title: FIT 5147 Data Visualization Project

Autor: Olamace Dale: 15/05/2023 Sheet number 5

#### OBERTION

- -> Drop down men mad allows user to filter between courses and year filter will highlight the bass and like to another colon.
- -> Hovering over bars and line symbols
  will show the toolto showing
  number of Students and performance

#### DeTA TL

-> A Combined dataset from Kaggle
for Student performance and a
dataset from UCI Machine For
Student performance in Math & Portugese.

# DEPENDENCEES -> TABLEAU

### ESTEMATES

-> Cost. NIL

- -> 36 15/2023: line & bar graphs
- -) 1/06/2023. User Interections
   drop-down menu
   silvers
- -> 2/06/2013 testing.