

Assignment 5

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TY-Comp Batch: A3

Aim : Perform the data visualization operations using **Tableau** for the given dataset and its prediction.

Outcome:

- **Dataset Name:** World Happiness Report 2019
- **Overview of Dataset attribute:** This dataset was created by PromptCloud and Datastock. Each column of data has the next description.
 1. **Country (region) :** Name of the country.
 2. **Ladder:** is a measure of life satisfaction.
 3. **SD of Ladder:** Standard deviation of the ladder.
 4. **Positive affect:** Measure of positive emotion.
 5. **Negative affect:** Measure of negative emotion.
 6. **Social support :**The extent to which Social support contributed to the calculation of the Happiness Score.
 7. **Freedom:** The extent to which Freedom contributed to the calculation of the Happiness Score.
 8. **Corruption:** The extent to which Perception of Corruption contributes to Happiness Score.
 9. **Generosity:** The extent to which Generosity contributed to the calculation of the Happiness Score.
 - 10.**Log of GDP per capita:** The extent to which GDP contributes to the calculation of the Happiness Score.
 - 11.**Healthy life expectancy:** The extent to which Life expectancy contributed to the calculation of the Happiness Score.
- Tableau tool is used for visualising country wise attributes of happiness, as shown in following screenshot dashboard is created for data in dataset.

Output

Tableau - Book1

File Data Server Window Help

world-happiness-report-2019

Connection: Live Extract Filters: 0 Add

world-happiness-report-2...

Need more data?
Drag tables here to relate them. [Learn more](#)

Sort fields: Data source order Show aliases Show hidden fields 156 rows

Country (region)	Ladder	SD of Ladder	Positive affect	Negative affect	Social support	Freedom	Corruption	Generosity
Finland	1	4	41	10	2	5	4	47
Denmark	2	13	24	26	4	6	3	22
Norway	3	8	16	29	3	3	8	11
Iceland	4	9	3	3	1	7	45	3
Netherlands	5	1	12	25	15	19	12	7
Switzerland	6	11	44	21	13	11	7	16
Sweden	7	18	34	8	25	10	6	17
New Zealand	8	15	22	12	5	8	5	8

Data Source: Sheet 1

Go to Worksheet

Type here to search

10:06 PM 08/11/2020

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

world-happiness-report-...

Columns: Negative affect (bin)

Rows: SUM(Healthy life exp.)

Sheet 1

MAX(Country (region))

MAX(Country (region))

Country (region)

Healthy life expectancy (b...)

Negative affect (bin)

Measure Names

Corruption

Freedom

Generosity

Healthy life expectancy

Ladder

Log of GDP per capita

Negative affect

Positive affect

SD of Ladder

Social support

Latitude (generated)

Longitude (generated)

world-happiness-report-2...

Measure Values

Color

Size

Label

Detail

Tooltip

1 null

Caption

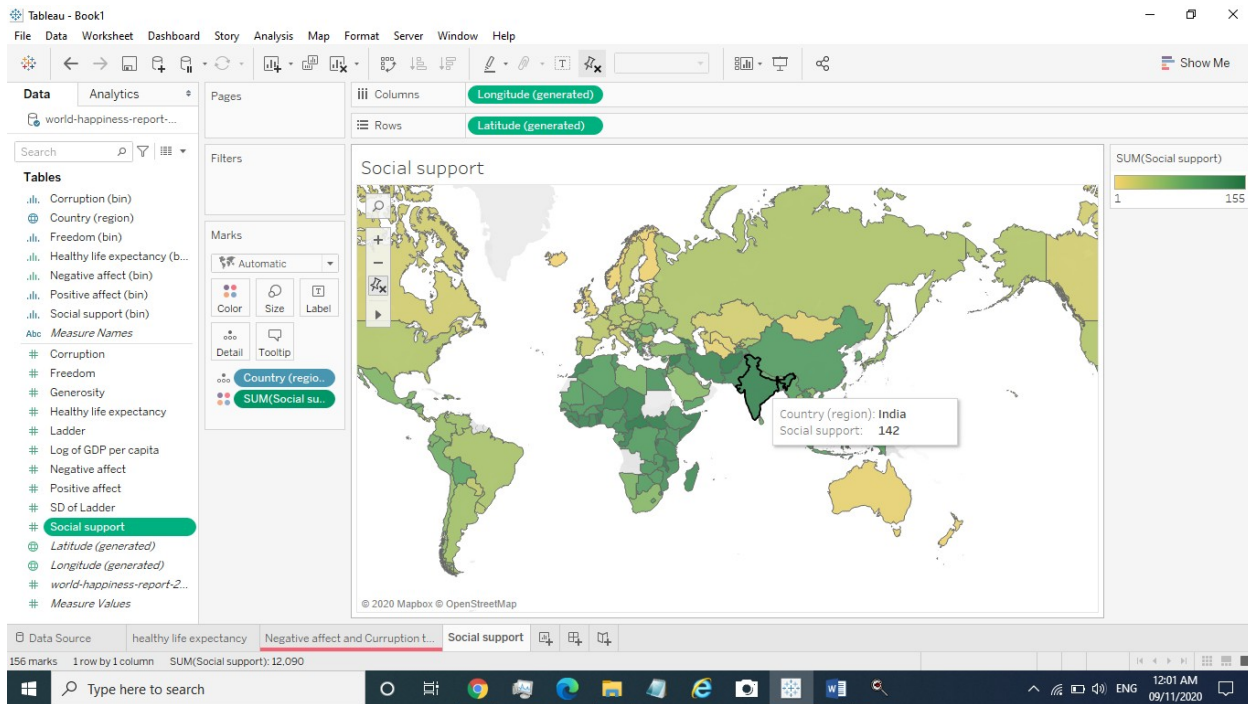
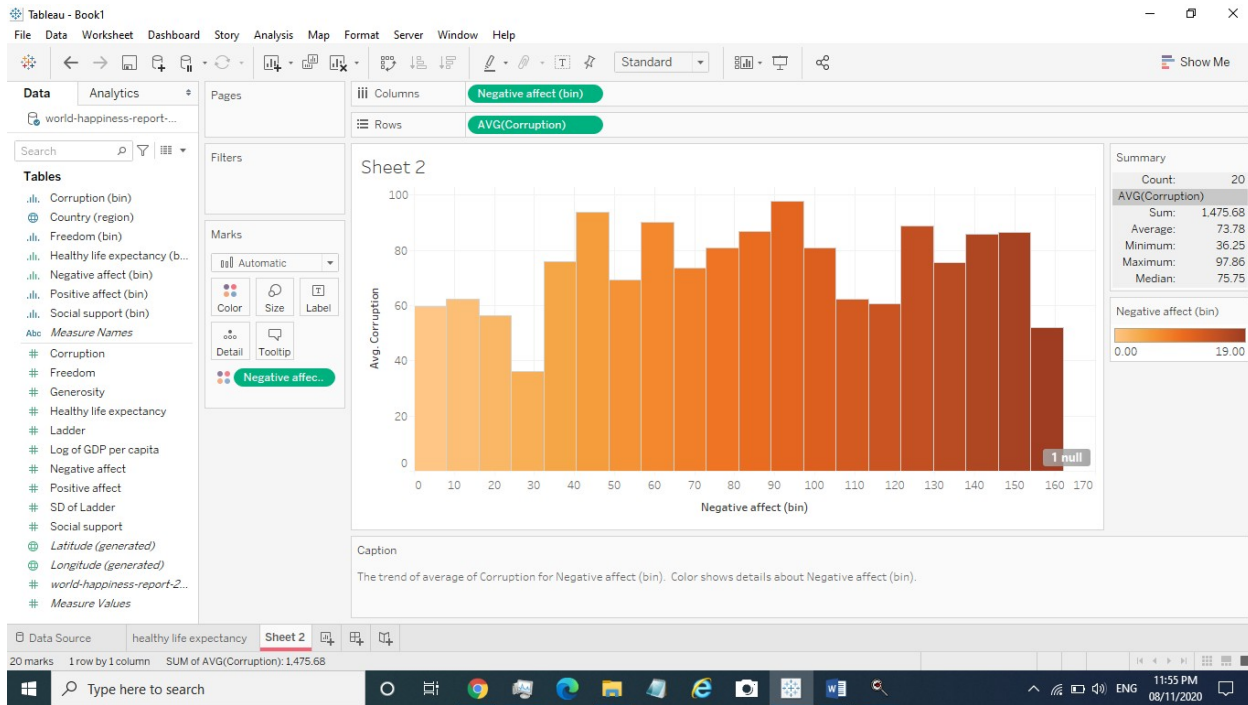
The trend of sum of Healthy life expectancy for Negative affect (bin). The data is filtered on maximum of Country (region) and sum of Ladder. The maximum of Country (region) filter keeps 132 members. The sum of Ladder filter ranges from 29 to 1,071.

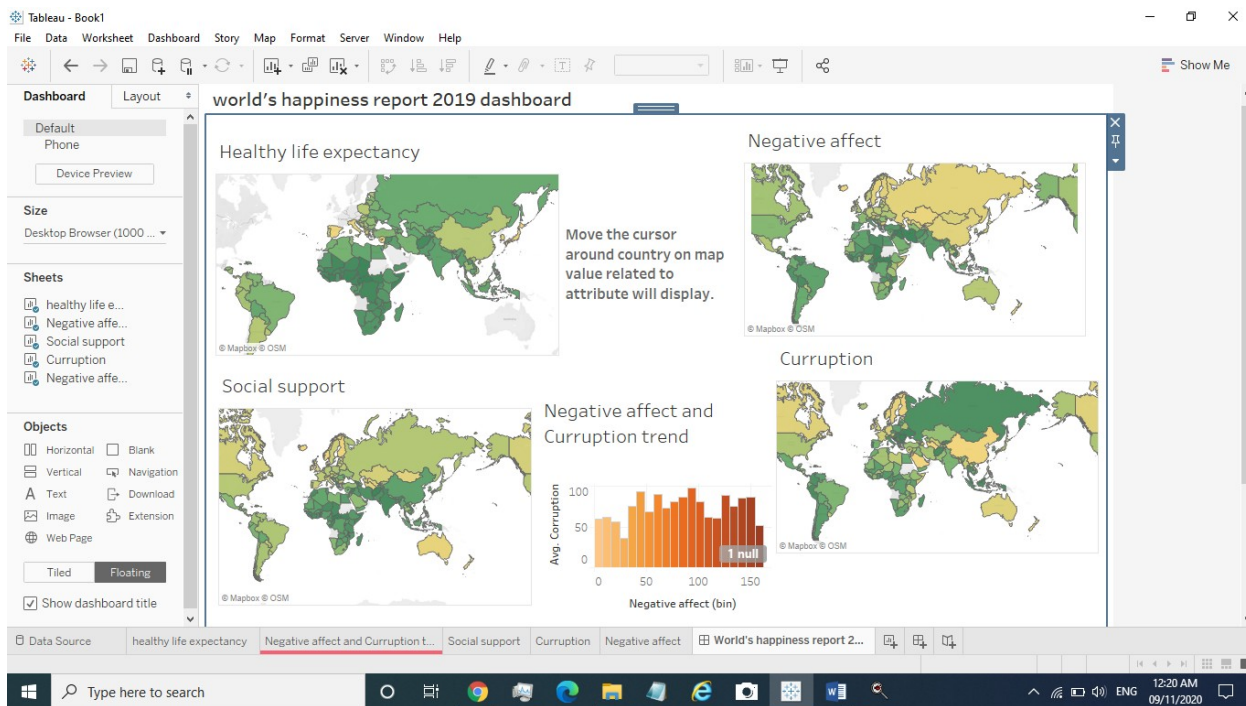
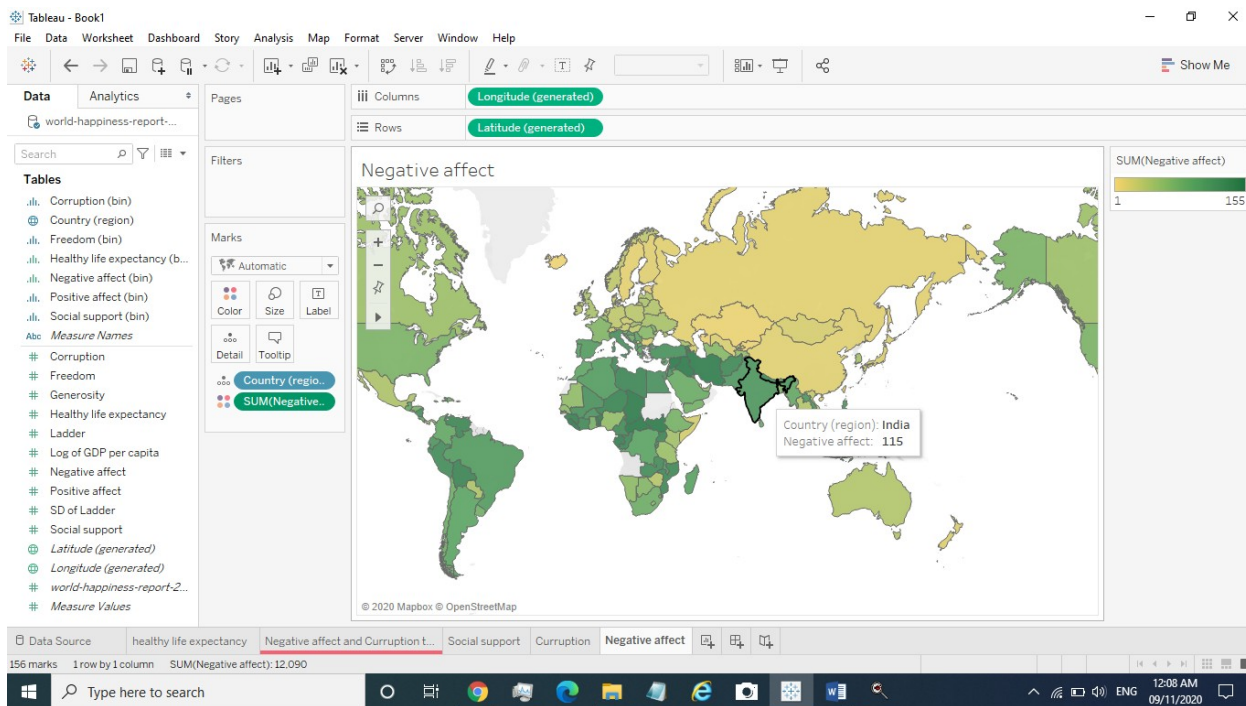
Data Source: Sheet 1

20 marks 1 row by 1 column SUM(Healthy life expectancy): 11,325

Type here to search

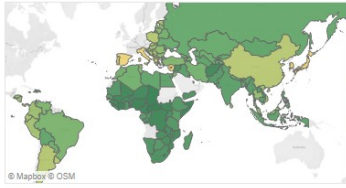
11:26 PM 08/11/2020





world's happiness report 2019 dashboard

Healthy life expectancy

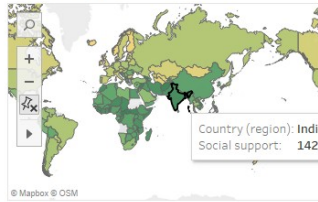


Move the cursor around country on map value related to attribute will display.

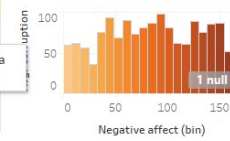
Negative affect



Social support



Negative affect and Corruption trend



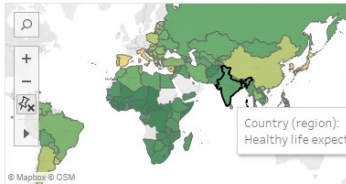
Corruption



healthy life expectancy Negative affect and Corruption t... Social support Corruption Negative affect World's happiness report 2...

world's happiness report 2019 dashboard

Healthy life expectancy

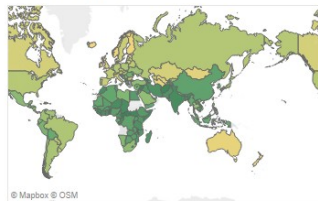


Move the cursor around country on map value related to display.

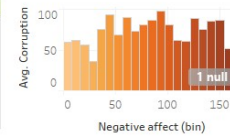
Negative affect



Social support



Negative affect and Corruption trend

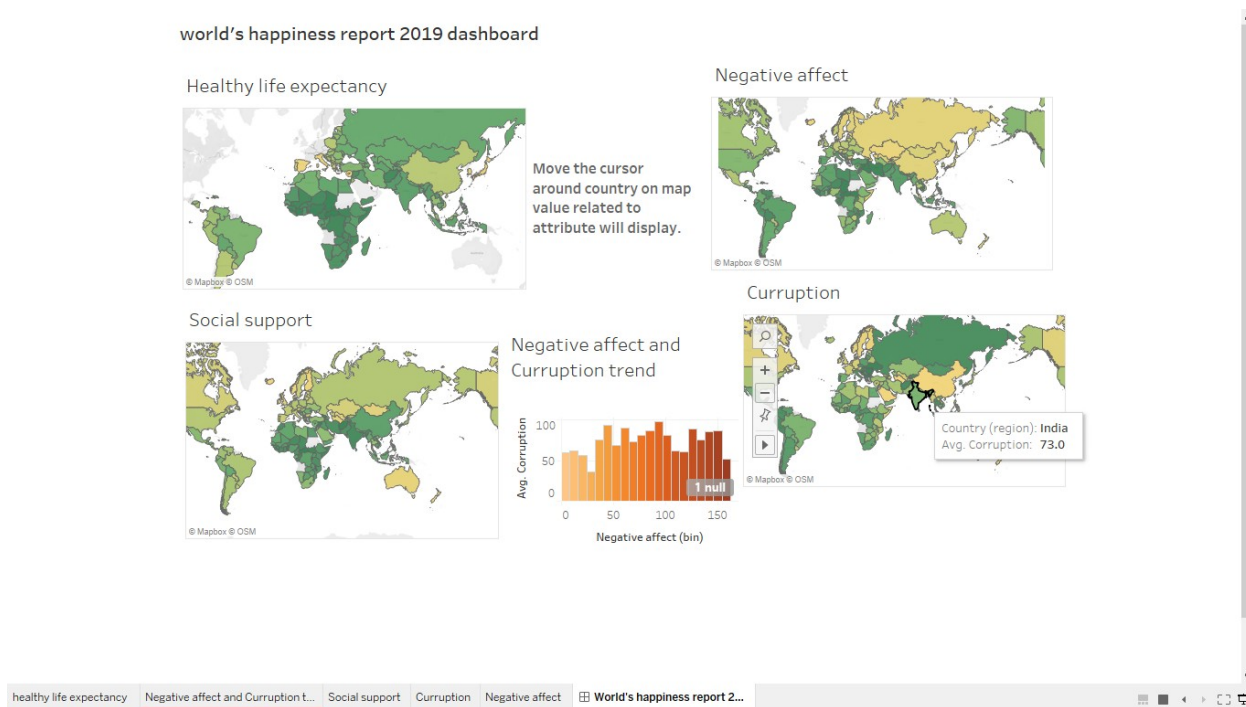


Corruption



healthy life expectancy Negative affect and Corruption t... Social support Corruption Negative affect World's happiness report 2...

world's happiness report 2019 dashboard



Description:

- As shown in above screenshot by using Tableau tool dashboard for world's happiness report 2019 dataset is created.
- Data set having attribute related to country among world with different values. By using map object of tableau I have visualized data of column 'Social support', 'Corruption', 'Healthy life expectancy' etc.
- In above figures dark green region represents high or more impact of attribute and golden region shows low or lesser impact, also by moving cursor around region respected values are displayed on dashboard.
- Blue colored bar graph shows relation of negative affect and healthy life expectancy similarly, orange colored bar graph shows impact of negative affect on average corruption.

Interpretation:

- According to 1st map i.e. healthy life expectancy there is more healthy life expectancy in countries of africa continent.
- In 2nd map we can drwan inferance as people of north asian countries like Russia, Korea, China, Taiwan having less negative emotions.
- Social support in australia and north american countries is less and some countries in africa continent there is more social support.
- last map shows high currupcion impact in russia and some part of south american contries.
- Detail value of particular attribute is displayed as tooltip when cursor move around the region as shown in image 73.0 % currupcion in india.
- Bar graph represents average currupcion is incresses then negative affect is also incresses.