1. INTRODUCTION

1.1 Overview

Carbon dioxide emissions are emissions stemming from the burning of fossil fuels and the manufacture of cement they include carbon dioxide produced during consumption of solid, liquid, and gas fuels as well as gas flaring.

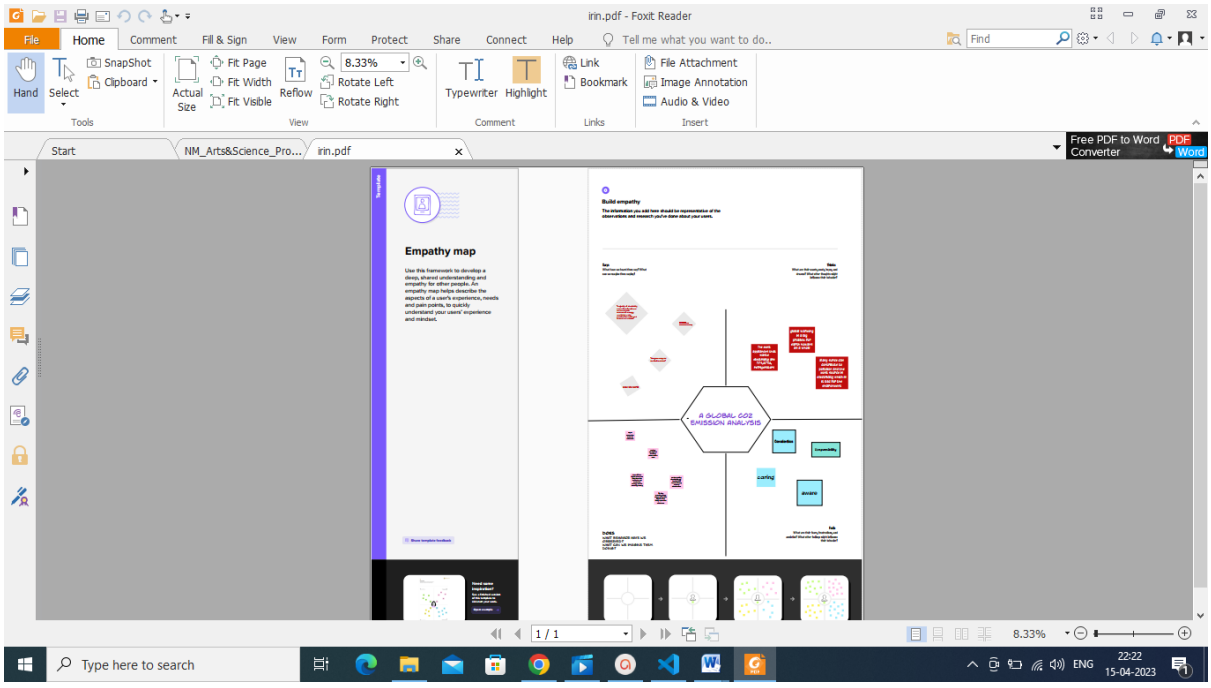
1.2 Purpose

The carbon in CO2 can be used to produce fuels that are in use today, including methane, methanol, gasoline and aviation fuels.

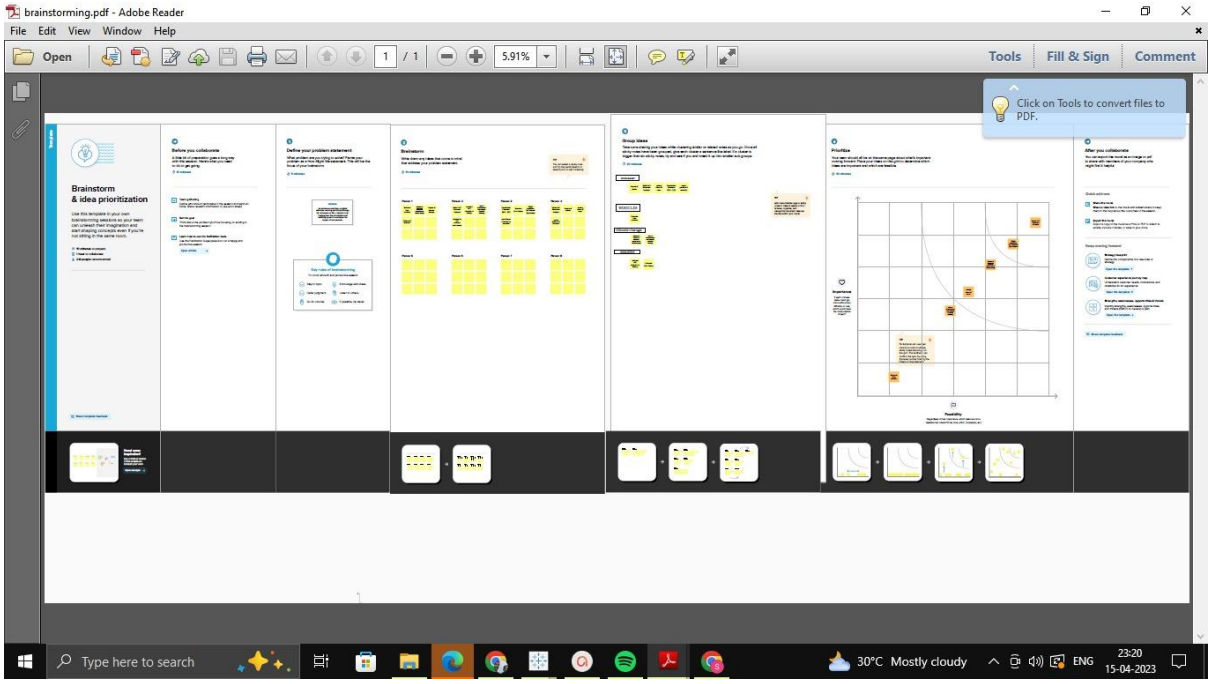
The process involves using the CO2 in combination with hydrogen, which is highly energy-intensive to produce, and results in a carbon-containing fuel that is easier to handle and use than pure hydrogen. Low-carbon hydrogen can be produced from fossil fuels when combined with CCS, or through electrolysis of water using low-carbon electricity.

2. PEOBLEM DEFINITION AND DESIGN THINKING

2.1 Empathy Map

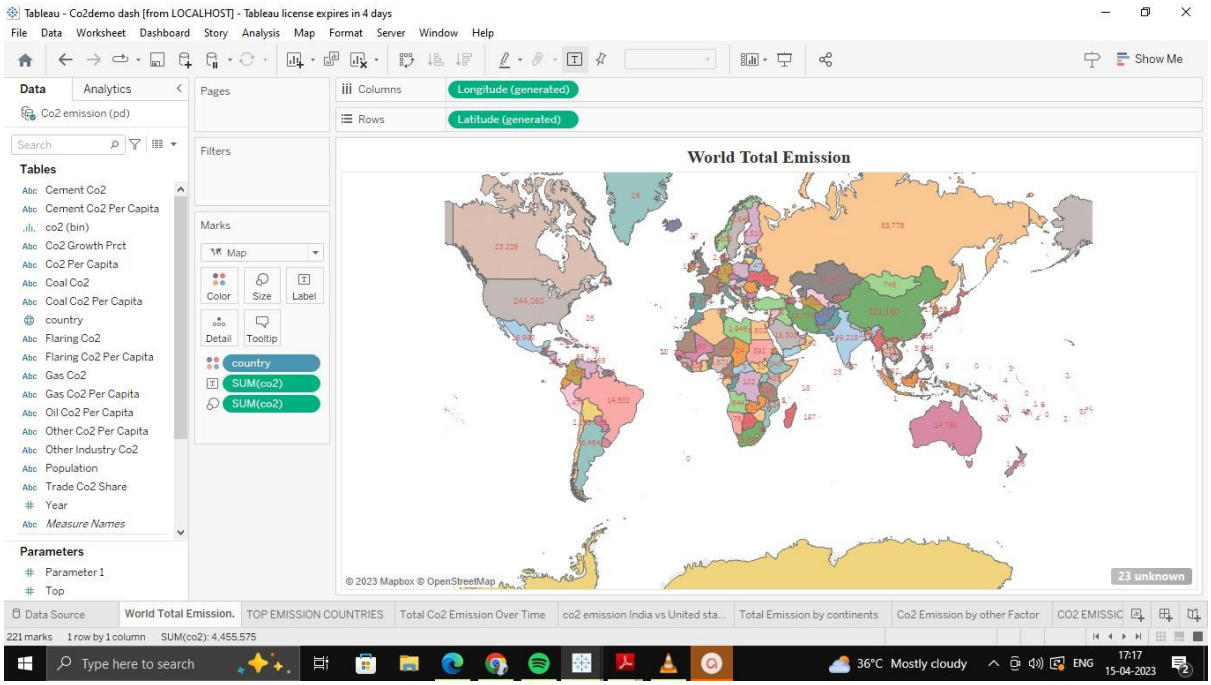


2.Ideation & Brainstorming Map



3. RESULT

DASHBOARD



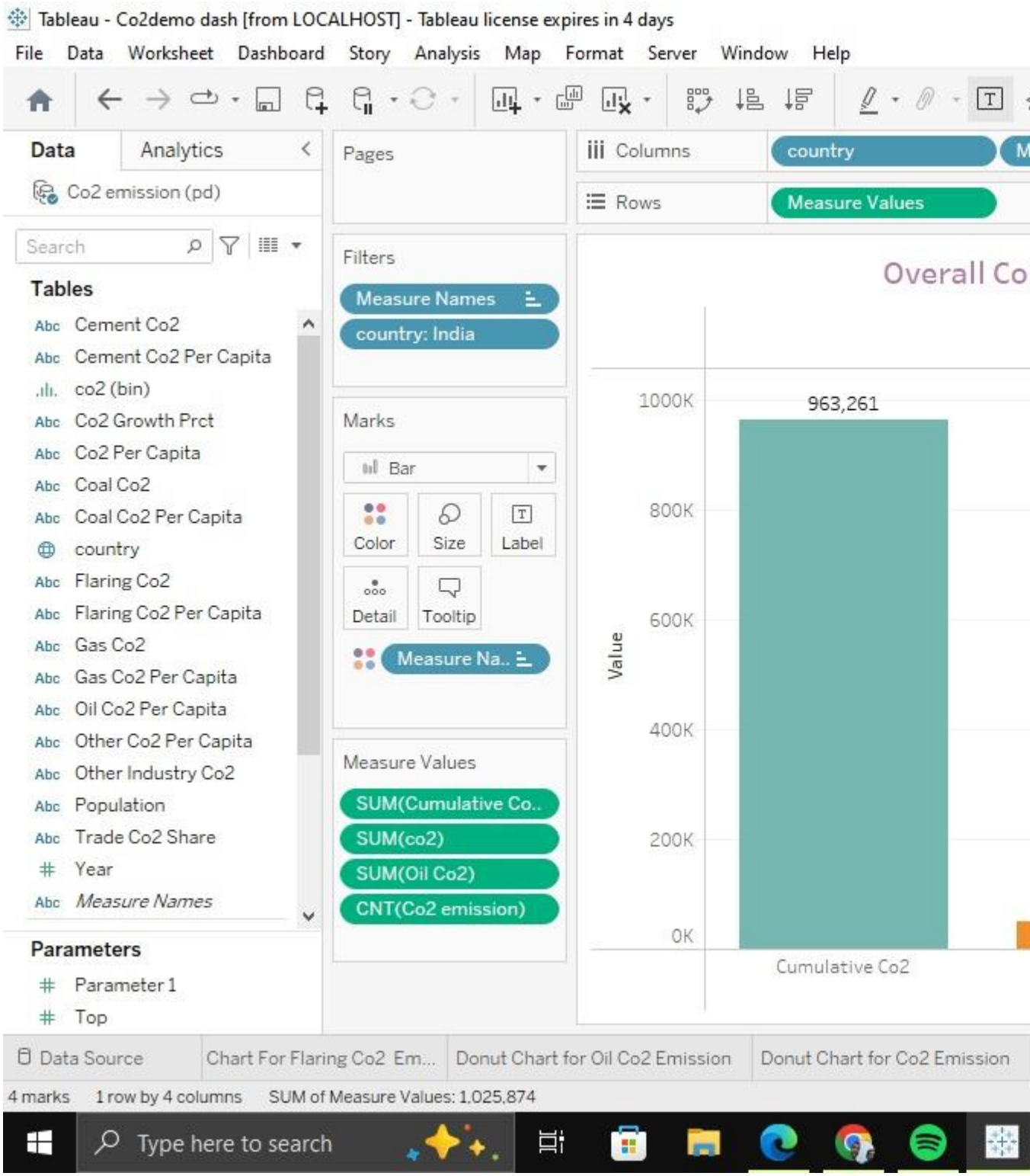
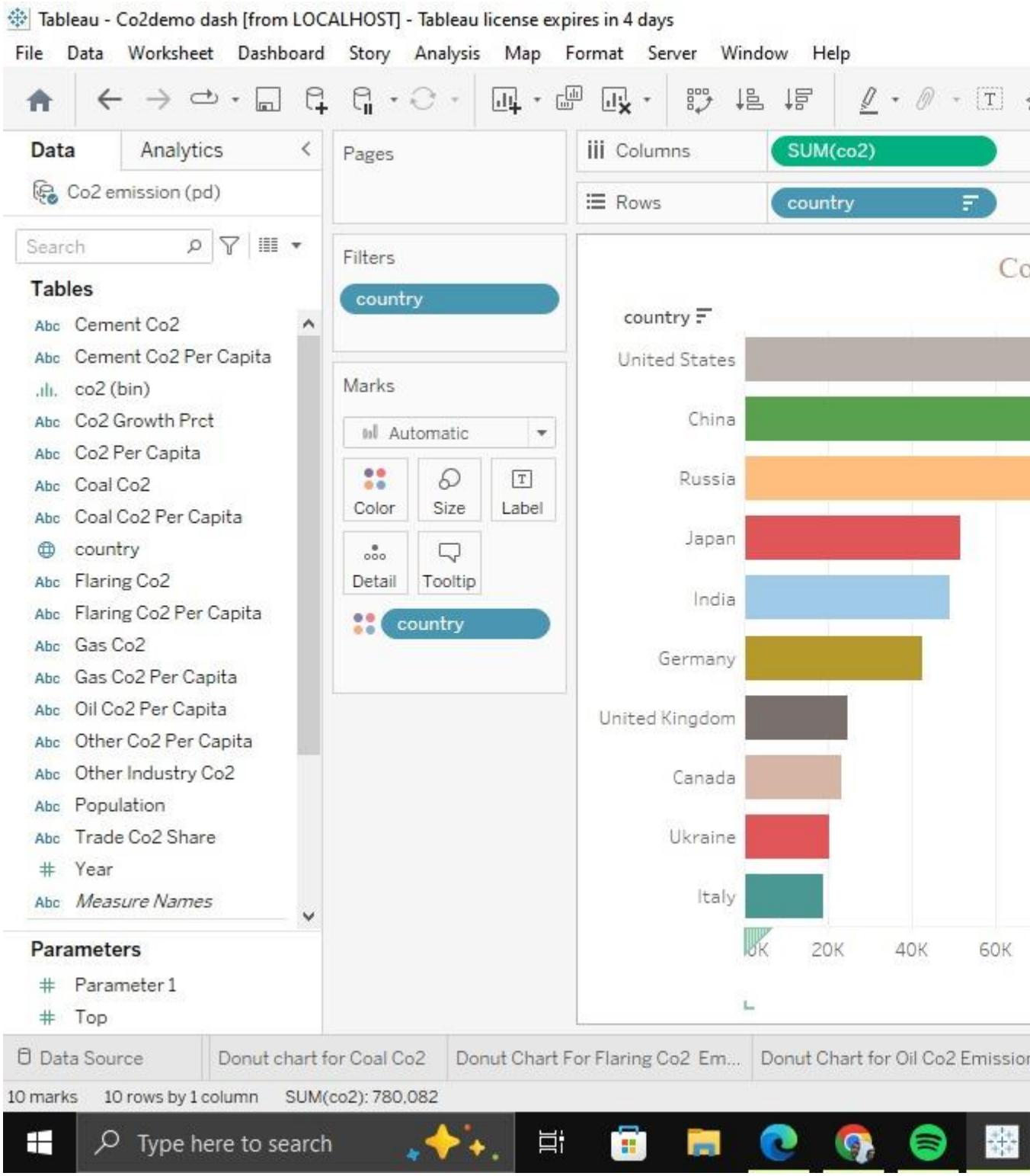


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Data Analytics
Co2 emission (pd)
Search
Tables
Abc Cement Co2
Abc Cement Co2 Per Capita
co2 (bin)
Abc Co2 Growth Prct
Abc Co2 Per Capita
Abc Coal Co2
Abc Coal Co2 Per Capita
country
Abc Flaring Co2
Abc Flaring Co2 Per Capita
Abc Gas Co2
Abc Gas Co2 Per Capita
Abc Oil Co2 Per Capita
Abc Other Co2 Per Capita
Abc Other Industry Co2
Abc Population
Abc Trade Co2 Share
Year
Abc Measure Names
Parameters
Parameter 1
Top
Pages
Filters
Measure Names
country: India
Marks
Bar
Color
Size
Label
Detail
Tooltip
Measure Na..
Measure Values
SUM(Cumulative Co..
SUM(co2)
SUM(Oil Co2)
CNT(Co2 emission)
Columns
country
Rows
Measure Values
Overall Co
1000K
800K
600K
400K
200K
0K
Value
963,261
Cumulative Co2
Data Source
Chart For Flaring Co2 Em...
Donut Chart for Oil Co2 Emission
Donut Chart for Co2 Emission
4 marks
1 row by 4 columns
SUM of Measure Values: 1,025,874
Type here to search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Data Analytics
Co2 emission (pd)
Search
Tables
Abc Cement Co2
Abc Cement Co2 Per Capita
co2 (bin)
Abc Co2 Growth Prct
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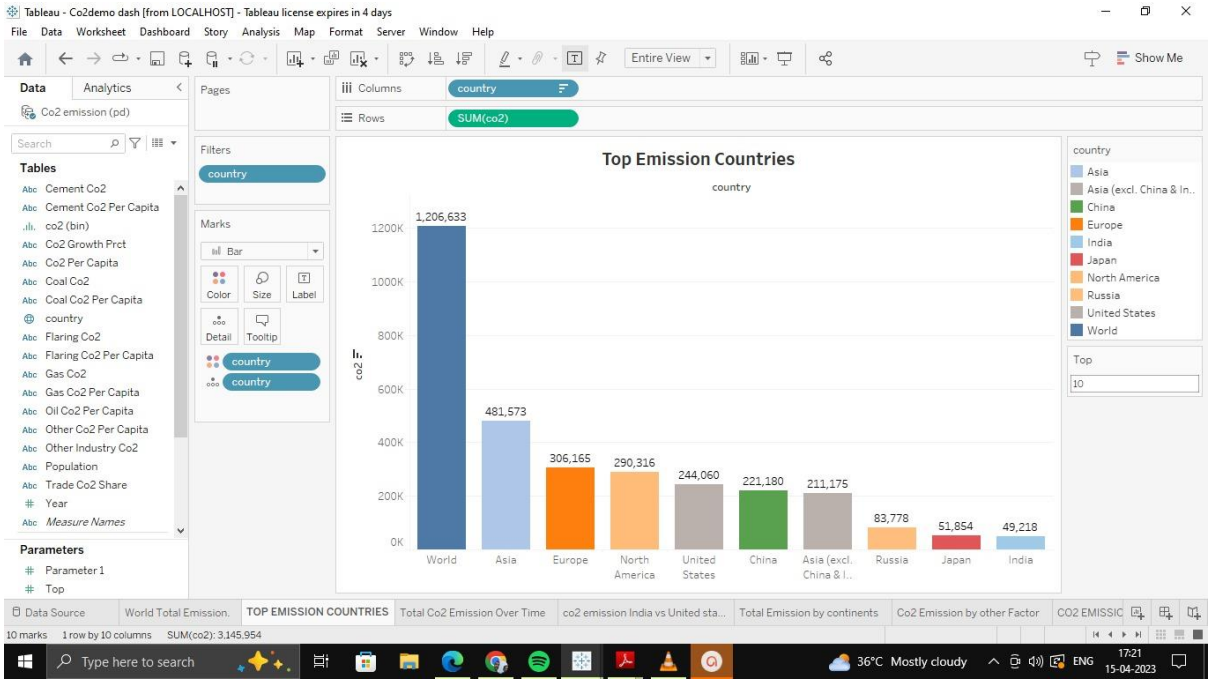
Abc Coal Co2 Per Capita
country
Abc Flaring Co2
Abc Flaring Co2 Per Capita
Abc Gas Co2
Abc Gas Co2 Per Capita
Abc Oil Co2 Per Capita
Abc Other Co2 Per Capita
Abc Other Industry Co2
Abc Population
Abc Trade Co2 Share
Year
Abc Measure Names
Parameters
Parameter 1
Top
Pages
Filters
country
Marks
Automatic
Color
Size
Label
Detail
Tooltip
country
Columns
SUM(co2)
Rows
country
country
United States
China
Russia
Japan
India
Germany
United Kingdom
Canada
Ukraine
Italy
0K
20K
40K
60K
Data Source
Donut chart for Coal Co2
Donut Chart For Flaring Co2 Em...
Donut Chart for Oil Co2 Emissio
10 marks
10 rows by 1 column
SUM(co2): 780,082
Type here to search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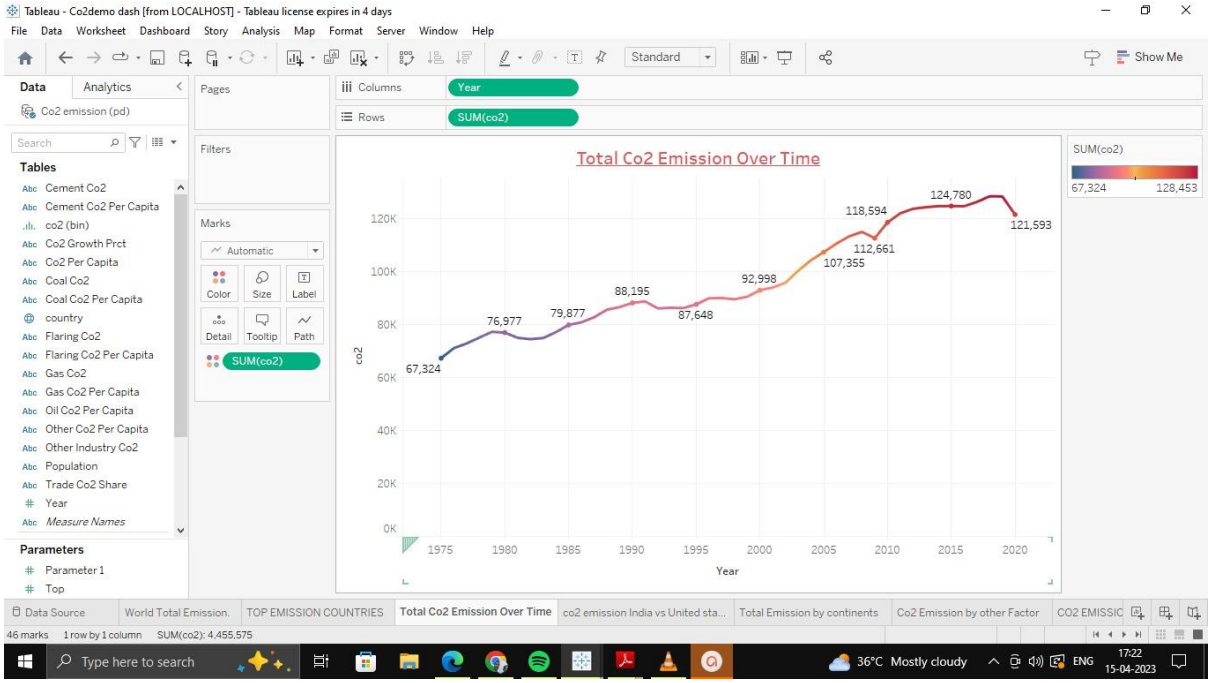
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Columns country
Rows SUM(co2)
Filters country
Marks Bar
Color Size Label Detail Tooltip
Top Emission Countries
country
co2
1200K 1000K 800K 600K 400K 200K 0K
1,206,633
481,573
306,165
290,316
244,060
221,180
211,175
83,778
51,854
49,218
World Asia Europe North America United States China Asia (excl. China & I.. Russia Japan India
Asia
Asia (excl. China & In..
China
Europe
India
Japan
North America
Russia
United States
World
Top 10
Data Source World Total Emission. TOP EMISSION COUNTRIES Total Co2 Emission Over Time co2 emission India vs United sta... Total Emission by continents Co2 Emission by other Factor CO2 EMISSIC
10 marks 1 row by 10 columns SUM(co2): 3,145,954
Type here to search
36°C Mostly cloudy
ENG
17:21
15-04-2023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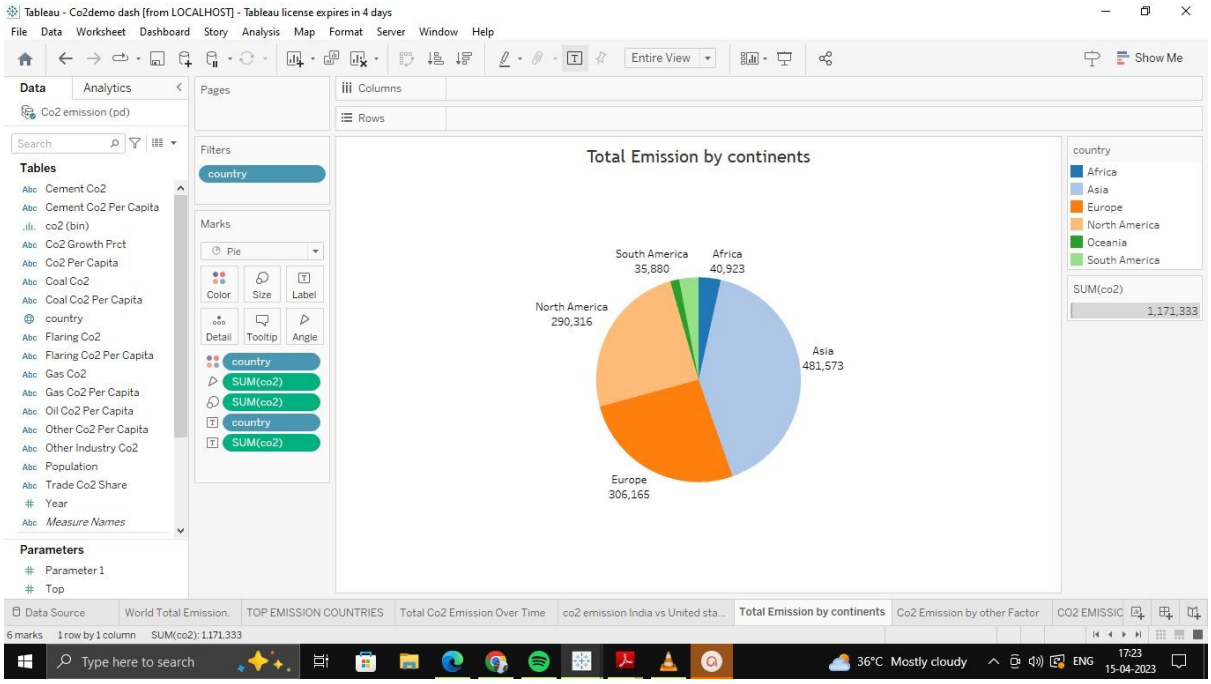
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Columns Year
Rows SUM(co2)
Filters
Marks Automatic
Color Size Label Detail Tooltip Path
SUM(co2)
Total Co2 Emission Over Time
SUM(co2)
67,324
128,453
co2
120K 100K 80K 60K 40K 20K 0K
67,324
76,977
79,877
88,195
87,648
92,998
107,355
112,661
118,594
124,780
121,593
1975 1980 1985 1990 1995 2000 2005 2010 2015 2020
Year
Data Source World Total Emission. TOP EMISSION COUNTRIES Total Co2 Emission Over Time co2 emission India vs United sta... Total Emission by continents Co2 Emission by other Factor CO2 EMISSIC
46 marks 1 row by 1 column SUM(co2): 4,455,575
Type here to search
36°C Mostly cloudy
ENG
17:22
15-04-2023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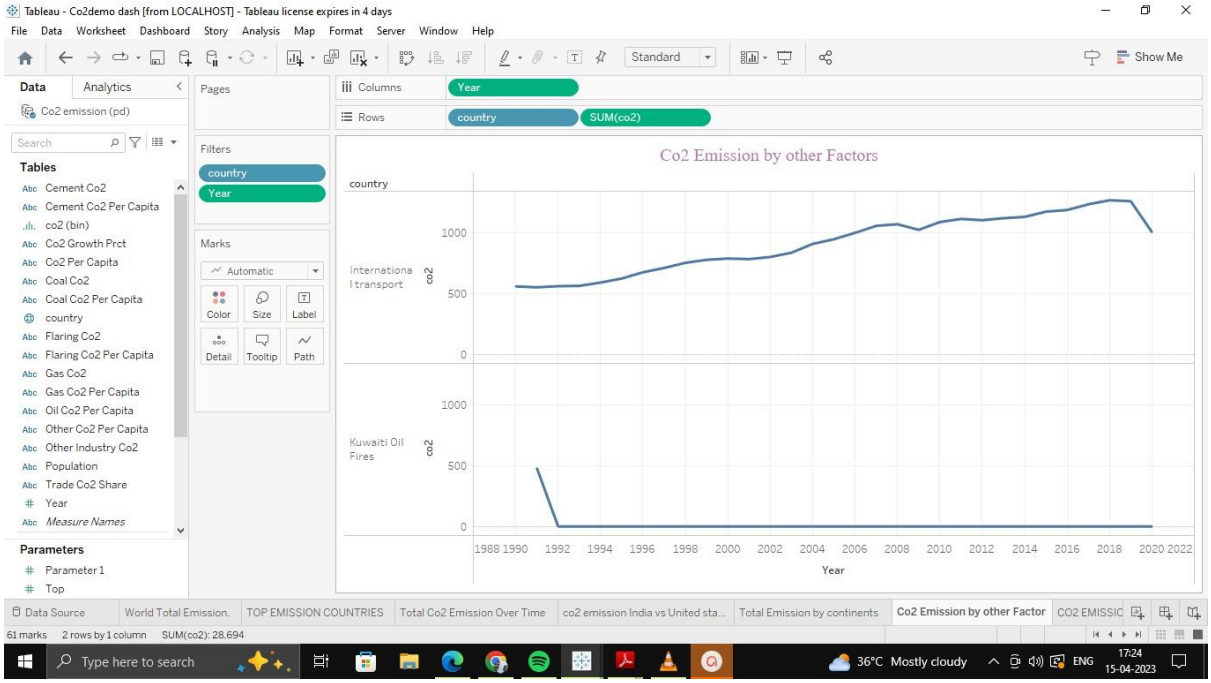
Show Me
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Columns
Rows
Filters
country
Marks
Pie
Color
Size
Label
Detail
Tooltip
Angle
country
SUM(co2)
SUM(co2)
country
SUM(co2)
Total Emission by continents
South America 35,880
Africa 40,923
North America 290,316
Asia 481,573
Europe 306,165
country
Africa
Asia
Europe
North America
Oceania
South America
SUM(co2)
1,171,333
Data Source
World Total Emission.
TOP EMISSION COUNTRIES
Total Co2 Emission Over Time
co2 emission India vs United sta...
Total Emission by continents
Co2 Emission by other Factor
CO2 EMISSIC
6 marks
1 row by 1 column
SUM(co2): 1,171,333
Type here to search
36°C Mostly cloudy
ENG
17:23
15-04-2023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Data Analytics
Co2 emission (pd)
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Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
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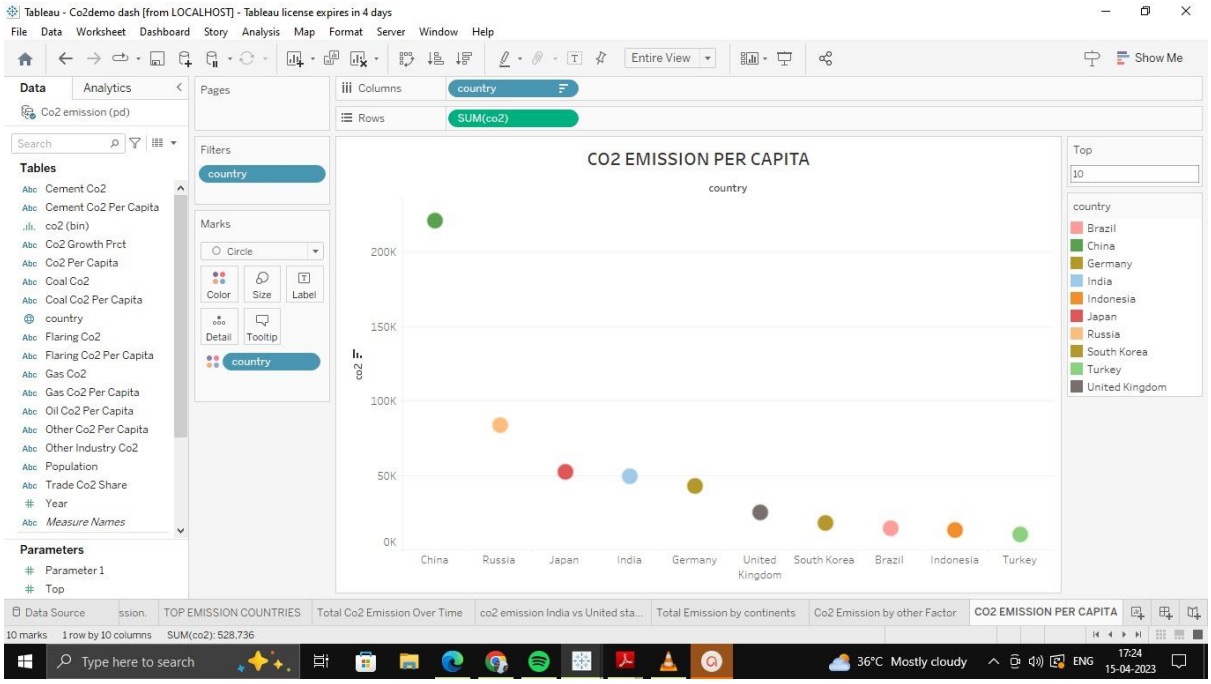
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Columns
Year
Rows
country
SUM(co2)
Filters
country
Year
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Path
Co2 Emission by other Factors
country
International transport
Kuwaiti Oil Fires
co2
1000
500
0
1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
Year
Data Source
World Total Emission.
TOP EMISSION COUNTRIES
Total Co2 Emission Over Time
co2 emission India vs United sta...
Total Emission by continents
Co2 Emission by other Factor
CO2 EMISSIC
61 marks
2 rows by 1 column
SUM(co2): 28,694
Type here to search
36°C Mostly cloudy
ENG
17:24
15-04-2023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co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
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Flaring Co2
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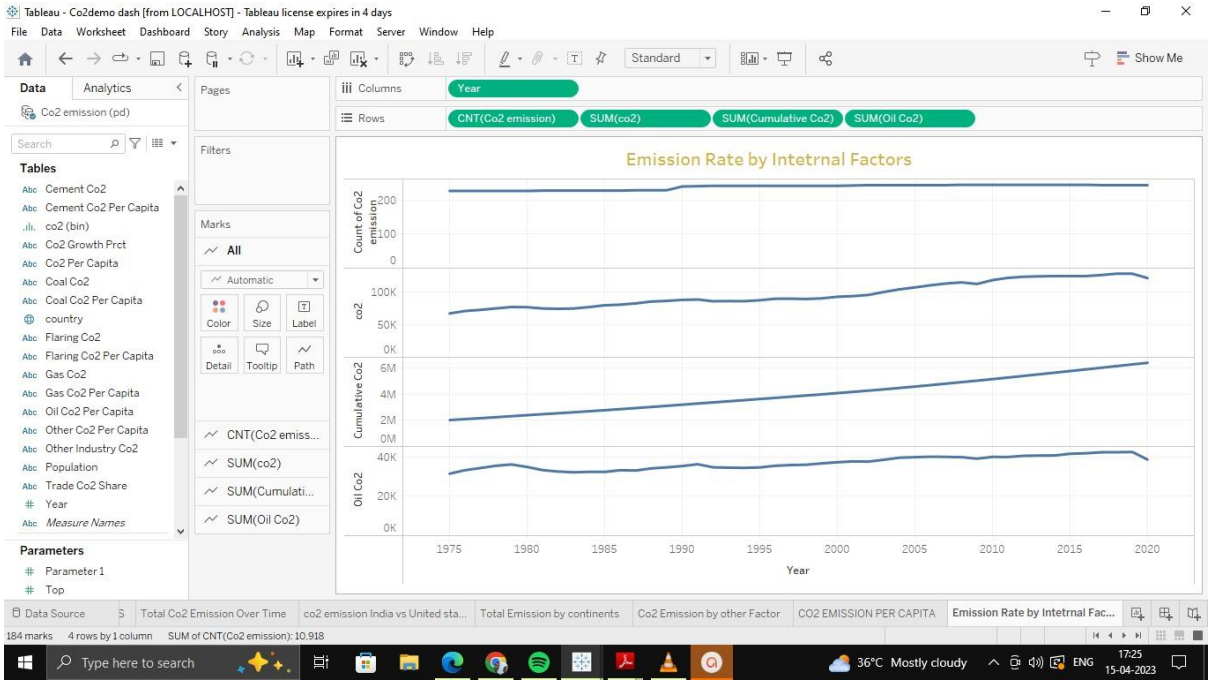
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
country
Marks
Circle
Color
Size
Label
Detail
Tooltip
Columns
country
Rows
SUM(co2)
CO2 EMISSION PER CAPITA
country
co2
200K
150K
100K
50K
0K
China
Russia
Japan
India
Germany
United Kingdom
South Korea
Brazil
Indonesia
Turkey
Top
10
country
Brazil
China
Germany
India
Indonesia
Japan
Russia
South Korea
Turkey
United Kingdom
Data Source
TOP EMISSION COUNTRIES
Total Co2 Emission Over Time
co2 emission India vs United sta...
Total Emission by continents
Co2 Emission by other Factor
CO2 EMISSION PER CAPITA
10 marks
1 row by 10 columns
SUM(co2): 528,736
Type here to search
36°C Mostly cloudy
ENG
17:24
15-04-2023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Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
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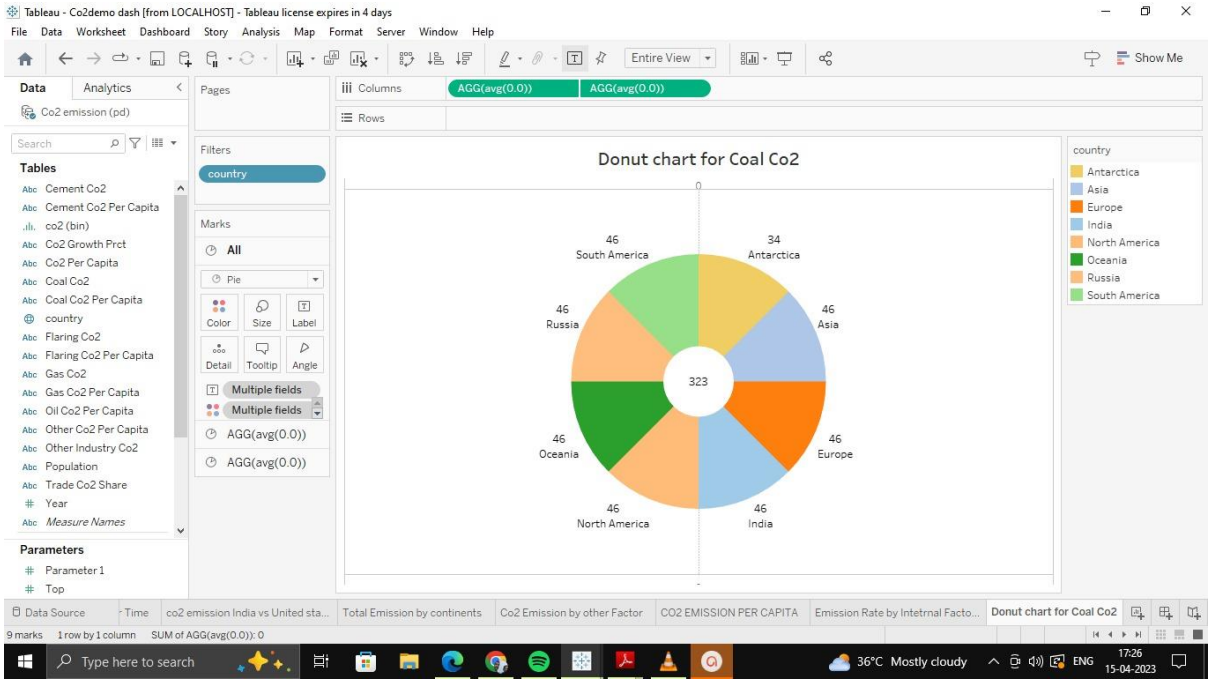
Automatic
Color
Size
Label
Detail
Tooltip
Path
CNT(Co2 emiss...
SUM(co2)
SUM(Cumulati...
SUM(Oil Co2)
Columns
Year
Rows
CNT(Co2 emission)
SUM(co2)
SUM(Cumulative Co2)
SUM(Oil Co2)
Emission Rate by Intetrnal Factors
Count of Co2 emission
200
100
0
co2
100K
50K
0K
Cumulative Co2
6M
4M
2M
0M
Oil Co2
40K
20K
0K
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year
Data Source
Total Co2 Emission Over Time
co2 emission India vs United sta...
Total Emission by continents
Co2 Emission by other Factor
CO2 EMISSION PER CAPITA
Emission Rate by Intetrnal Fac...
184 marks
4 rows by 1 column
SUM of CNT(Co2 emission): 10,918
Type here to search
36°C Mostly cloudy
ENG
17:25
15-04-2023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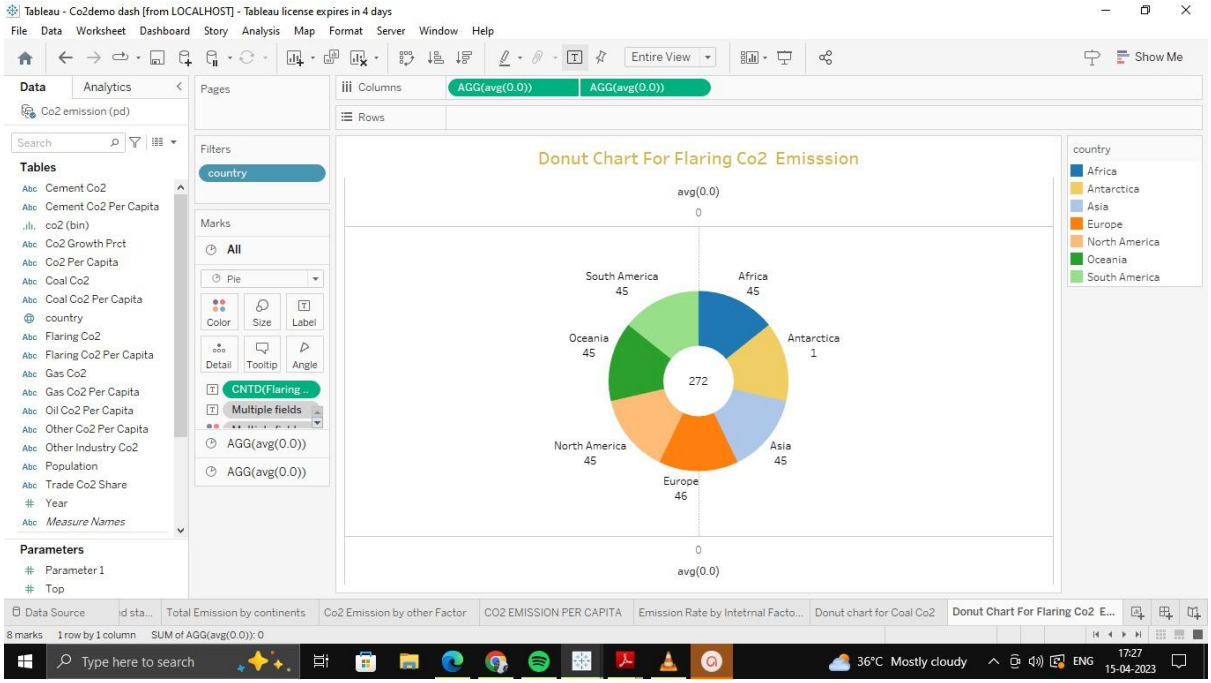
Show Me
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
country
Marks
All
Pie
Color
Size
Label
Detail
Tooltip
Angle
Multiple fields
Multiple fields
AGG(avg(0.0))
AGG(avg(0.0))
Columns
AGG(avg(0.0))
AGG(avg(0.0))
Rows
Donut chart for Coal Co2
46 South America
34 Antarctica
46 Russia
46 Asia
323
46 Oceania
46 Europe
46 North America
46 India
country
Antarctica
Asia
Europe
India
North America
Oceania
Russia
South America
Data Source
Time
co2 emission India vs United sta...
Total Emission by continents
Co2 Emission by other Factor
CO2 EMISSION PER CAPITA
Emission Rate by Intetrnal Facto...
Donut chart for Coal Co2
9 marks
1 row by 1 column
SUM of AGG(avg(0.0)): 0
Type here to search
36°C Mostly cloudy
ENG
17:26
15-04-2023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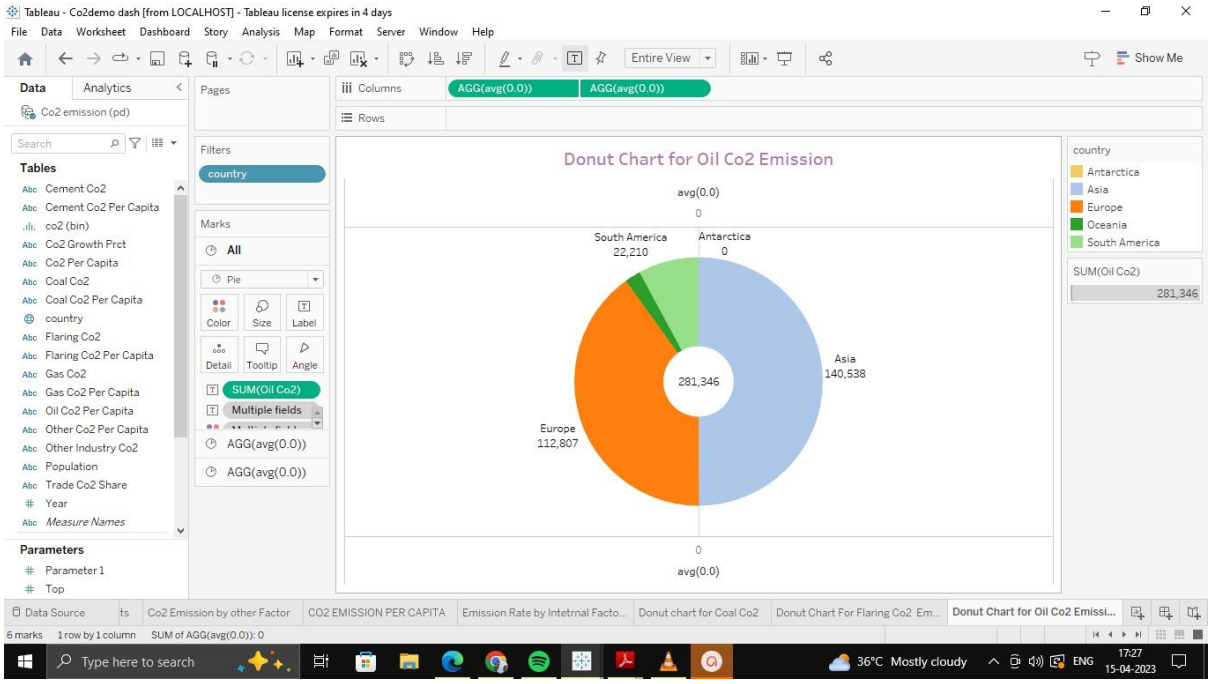
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
country
Marks
All
Pie
Color
Size
Label
Detail
Tooltip
Angle
CNTD(Flaring ...
Multiple fields
AGG(avg(0.0))
AGG(avg(0.0))
Columns
AGG(avg(0.0))
AGG(avg(0.0))
Rows
Donut Chart For Flaring Co2 Emisssion
avg(0.0)
South America 45
Africa 45
Oceania 45
Antarctica 1
272
North America 45
Asia 45
Europe 46
avg(0.0)
country
Africa
Antarctica
Asia
Europe
North America
Oceania
South America
Data Source
Total Emission by continents
Co2 Emission by other Factor
CO2 EMISSION PER CAPITA
Emission Rate by Intetrnal Facto...
Donut chart for Coal Co2
Donut Chart For Flaring Co2 E...
8 marks
1 row by 1 column
SUM of AGG(avg(0.0)): 0
Type here to search
36°C Mostly cloudy
ENG
17:27
15-04-2023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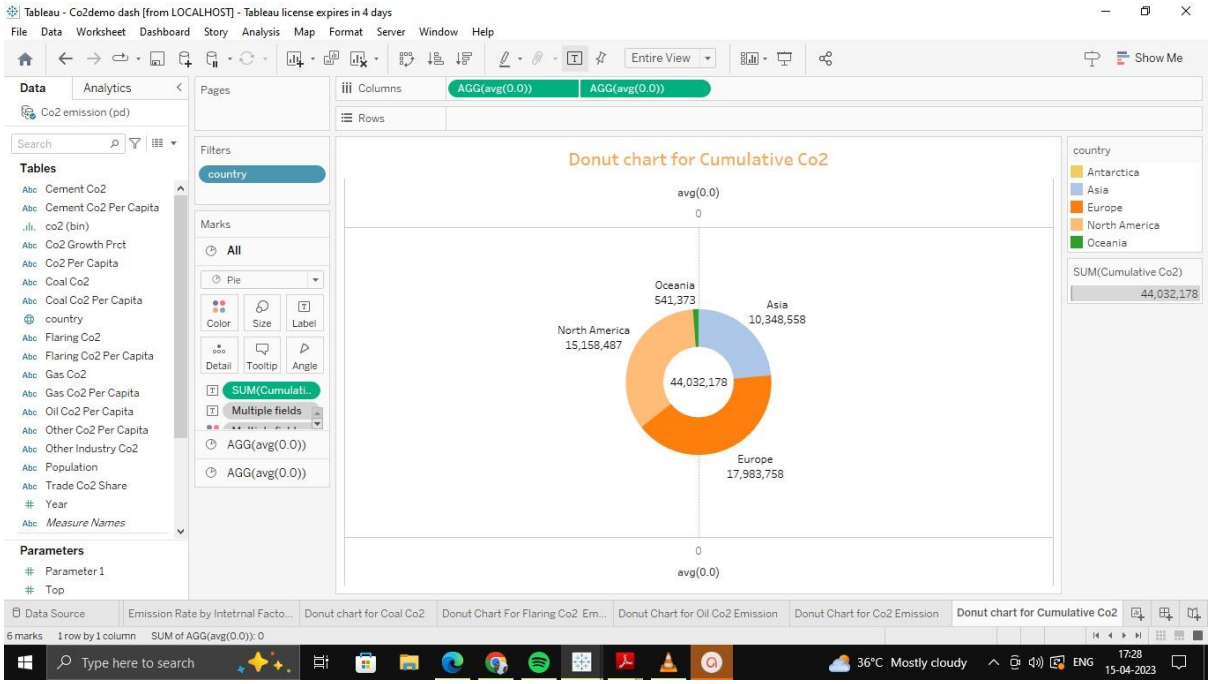
Show Me
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
country
Marks
All
Pie
Color
Size
Label
Detail
Tooltip
Angle
SUM(Oil Co2)
Multiple fields
AGG(avg(0.0))
AGG(avg(0.0))
Columns
AGG(avg(0.0))
AGG(avg(0.0))
Rows
Donut Chart for Oil Co2 Emission
avg(0.0)
0
South America
22,210
Antarctica
0
Asia
140,538
281,346
Europe
112,807
0
avg(0.0)
country
Antarctica
Asia
Europe
Oceania
South America
SUM(Oil Co2)
281,346
Data Source
Co2 Emission by other Factor
CO2 EMISSION PER CAPITA
Emission Rate by Intetrnal Facto...
Donut chart for Coal Co2
Donut Chart For Flaring Co2 Em...
Donut Chart for Oil Co2 Emissi...
6 marks
1 row by 1 column
SUM of AGG(avg(0.0)): 0
Type here to search
36°C Mostly cloudy
ENG
17:27
15-04-2023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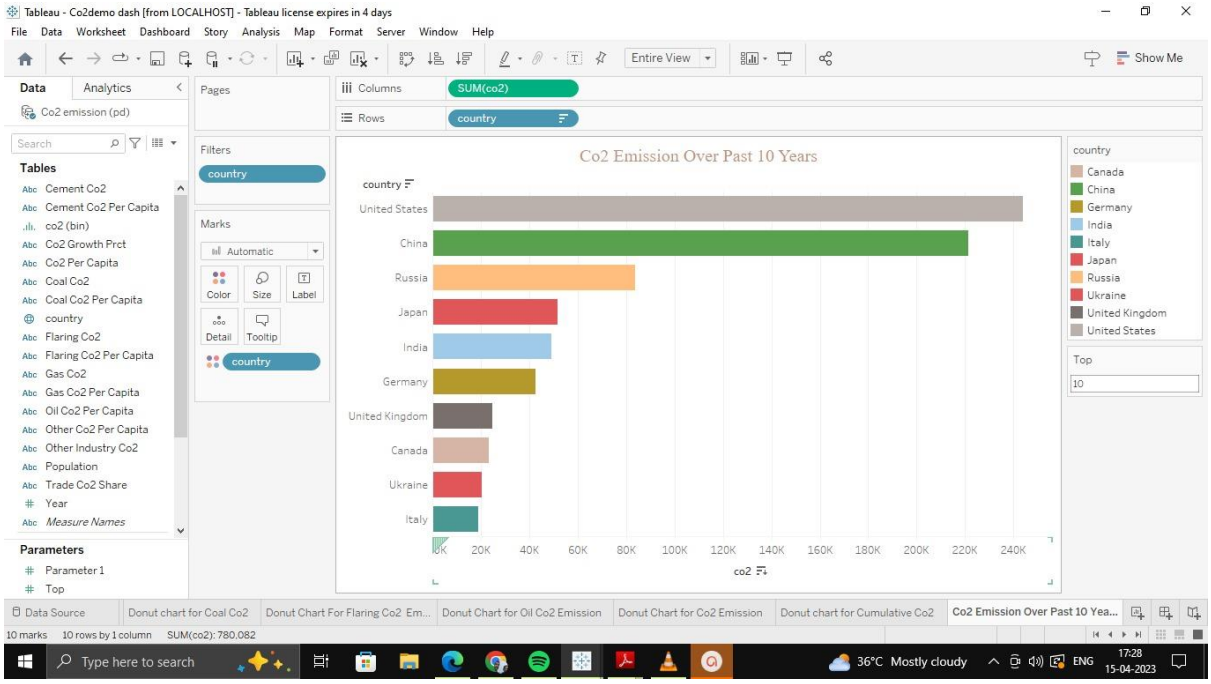
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
country
Marks
All
Pie
Color
Size
Label
Detail
Tooltip
Angle
SUM(Cumulati..
Multiple fields
AGG(avg(0.0))
AGG(avg(0.0))
Columns
AGG(avg(0.0))
AGG(avg(0.0))
Rows
Donut chart for Cumulative Co2
avg(0.0)
0
Oceania
541,373
Asia
10,348,558
North America
15,158,487
44,032,178
Europe
17,983,758
0
avg(0.0)
country
Antarctica
Asia
Europe
North America
Oceania
SUM(Cumulative Co2)
44,032,178
Data Source
Emission Rate by Intetrnal Facto...
Donut chart for Coal Co2
Donut Chart For Flaring Co2 Em...
Donut Chart for Oil Co2 Emission
Donut Chart for Co2 Emission
Donut chart for Cumulative Co2
6 marks
1 row by 1 column
SUM of AGG(avg(0.0)): 0
Type here to search
36°C Mostly cloudy
ENG
17:28
15-04-2023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Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Columns SUM(co2)
Rows country
Filters
country
Marks
Automatic
Color Size Label
Detail Tooltip
country
Co2 Emission Over Past 10 Years
country
United States
China
Russia
Japan
India
Germany
United Kingdom
Canada
Ukraine
Italy
0K 20K 40K 60K 80K 100K 120K 140K 160K 180K 200K 220K 240K
co2
country
Canada
China
Germany
India
Italy
Japan
Russia
Ukraine
United Kingdom
United States
Top
10
Data Source
Donut chart for Coal Co2
Donut Chart For Flaring Co2 Em...
Donut Chart for Oil Co2 Emission
Donut Chart for Co2 Emission
Donut chart for Cumulative Co2
Co2 Emission Over Past 10 Yea...
10 marks 10 rows by 1 column SUM(co2): 780,082
Type here to search
36°C Mostly cloudy
ENG
17:28
15-04-2023

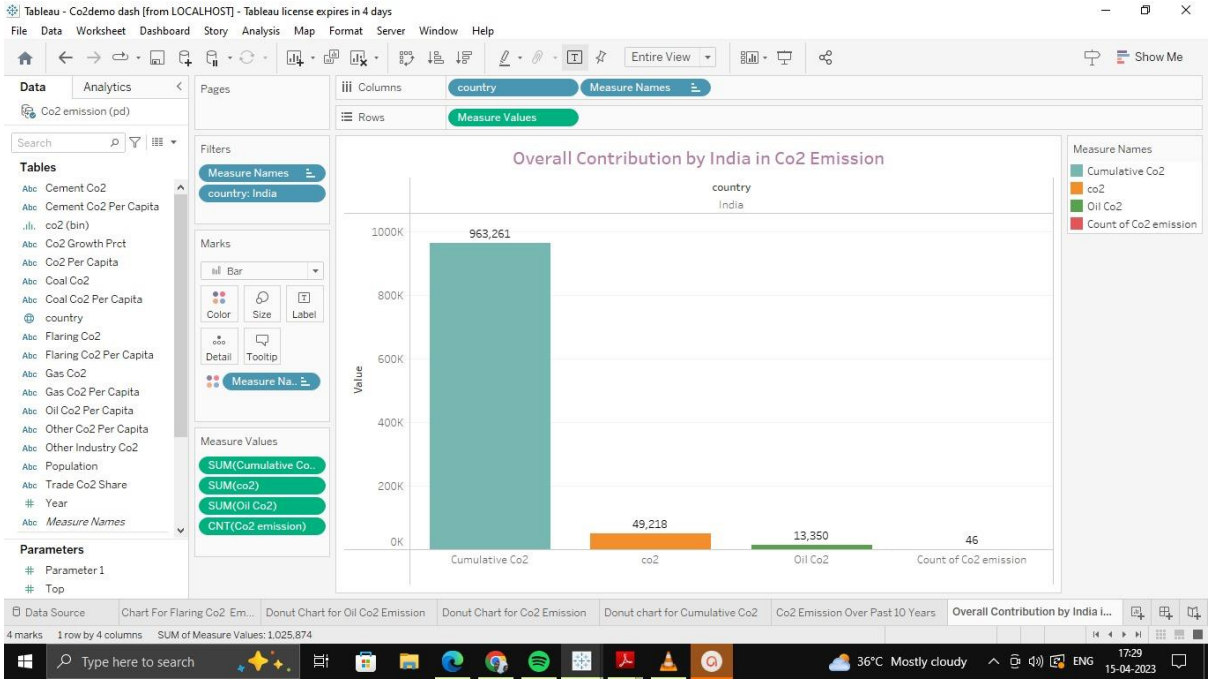


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Columns country Measure Names
Rows Measure Values
Filters
Measure Names
country: India
Marks
Bar
Color Size Label
Detail Tooltip
Measure Na..
Measure Values
SUM(Cumulative Co...
SUM(co2)
SUM(Oil Co2)
CNT(Co2 emission)
Overall Contribution by India in Co2 Emission
country
India
Value
1000K
800K
600K
400K
200K
0K
963,261
49,218
13,350
46
Cumulative Co2
co2
Oil Co2
Count of Co2 emission
Measure Names
Cumulative Co2
co2
Oil Co2
Count of Co2 emission
Data Source
Chart For Flaring Co2 Em...
Donut Chart for Oil Co2 Emission
Donut Chart for Co2 Emission
Donut chart for Cumulative Co2
Co2 Emission Over Past 10 Years
Overall Contribution by India i...
4 marks 1 row by 4 columns SUM of Measure Values: 1,025,874
Type here to search
36°C Mostly cloudy
ENG
17:29
15-04-2023

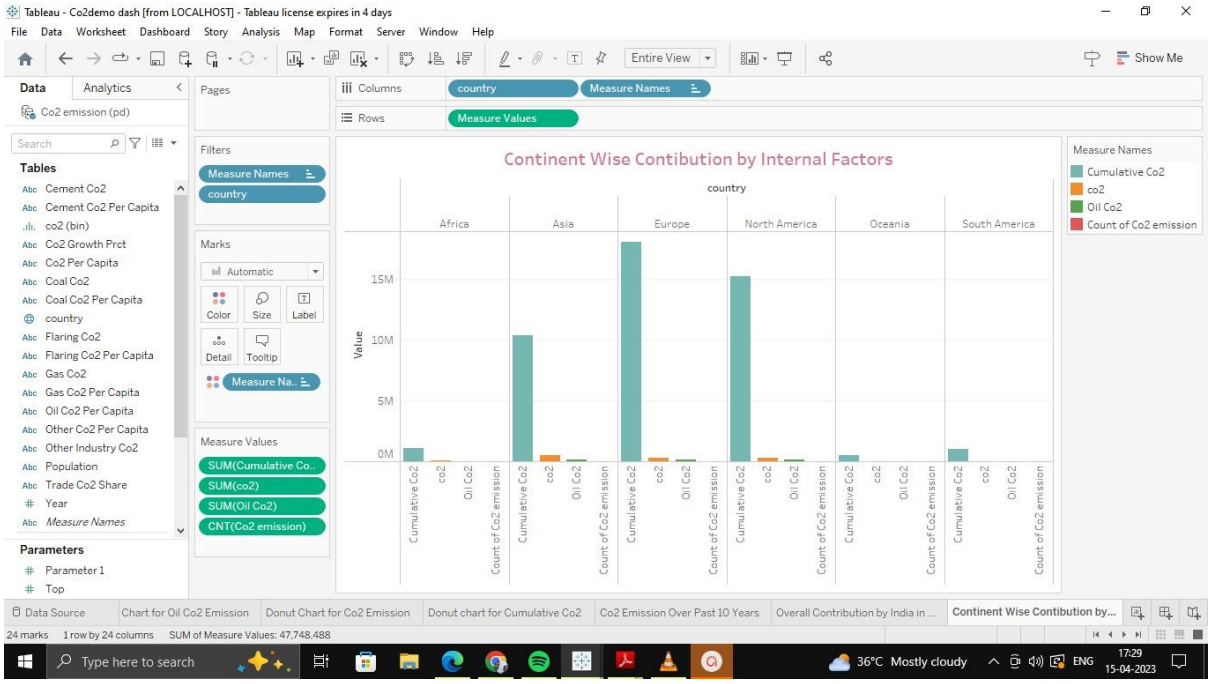


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
Measure Names
country
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Measure Values
SUM(Cumulative Co..
SUM(co2)
SUM(Oil Co2)
CNT(Co2 emission)
Columns
country
Measure Names
Rows
Measure Values
Continent Wise Contibution by Internal Factors
country
Africa
Asia
Europe
North America
Oceania
South America
Value
15M
10M
5M
0M
Cumulative Co2
co2
Oil Co2
Count of Co2 emission
Measure Names
Cumulative Co2
co2
Oil Co2
Count of Co2 emission
Data Source
Chart for Oil Co2 Emission
Donut Chart for Co2 Emission
Donut chart for Cumulative Co2
Co2 Emission Over Past 10 Years
Overall Contribution by India in ...
Continent Wise Contibution by...
24 marks
1 row by 24 columns
SUM of Measure Values: 47,748,488
Type here to search
36°C Mostly cloudy
ENG
17:29
15-04-2023

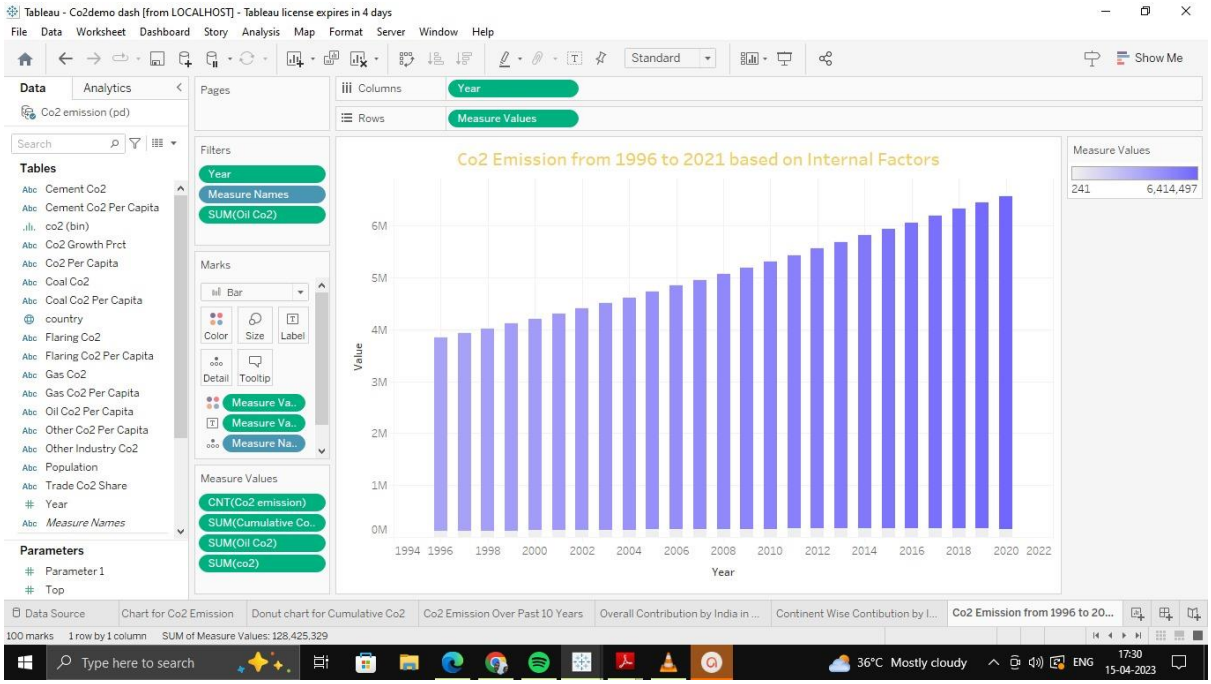


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
Year
Measure Names
SUM(Oil Co2)
Marks
Bar
Color
Size
Label
Detail
Tooltip
Measure Values
CNT(Co2 emission)
SUM(Cumulative Co..
SUM(Oil Co2)
SUM(co2)
Columns
Year
Rows
Measure Values
Co2 Emission from 1996 to 2021 based on Internal Factors
Value
6M
5M
4M
3M
2M
1M
0M
1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
Year
Measure Values
241
6,414,497
Data Source
Chart for Co2 Emission
Donut chart for Cumulative Co2
Co2 Emission Over Past 10 Years
Overall Contribution by India in ...
Continent Wise Contibution by I...
Co2 Emission from 1996 to 20...
100 marks
1 row by 1 column
SUM of Measure Values: 128,425,329
Type here to search
36°C Mostly cloudy
ENG
17:30
15-04-2023

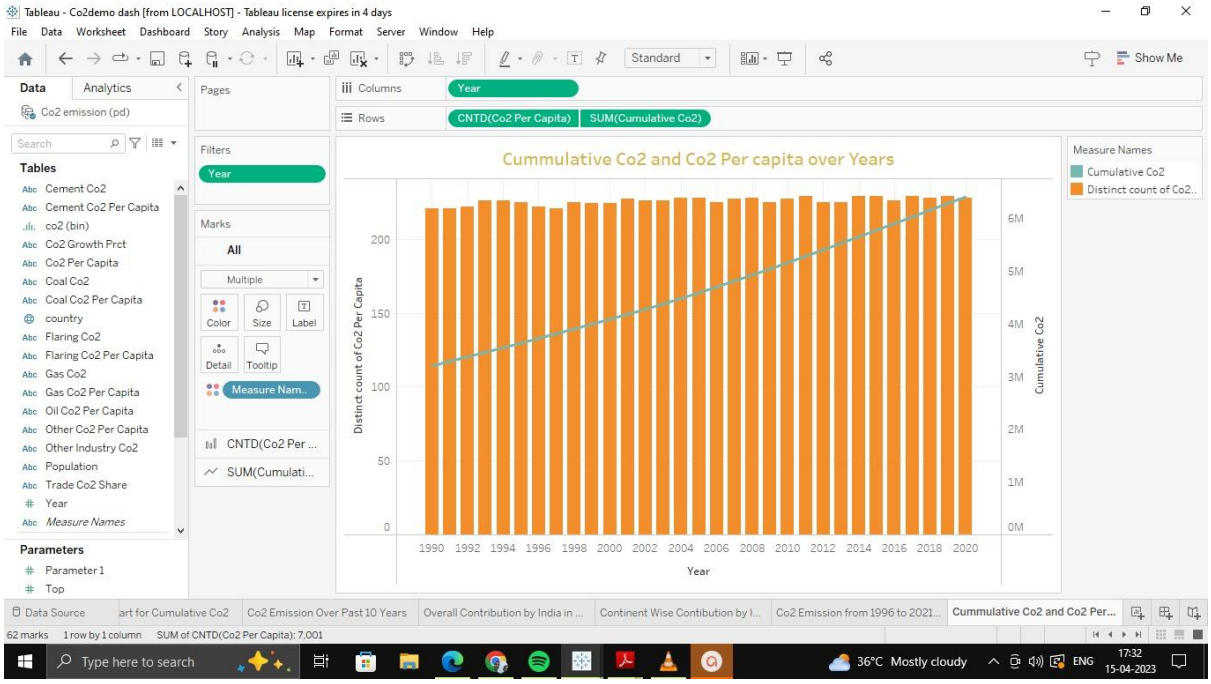


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
Year
Marks
All
Multiple
Color
Size
Label
Detail
Tooltip
Measure Nam..
CNTD(Co2 Per ...
SUM(Cumulati...
Columns
Year
Rows
CNTD(Co2 Per Capita)
SUM(Cumulative Co2)
Cummulative Co2 and Co2 Per capita over Years
Distinct count of Co2 Per Capita
Cumulative Co2
Year
Measure Names
Cumulative Co2
Distinct count of Co2..
Data Source
Co2 Emission Over Past 10 Years
Overall Contribution by India in ...
Continent Wise Contibution by I...
Co2 Emission from 1996 to 2021...
Cummulative Co2 and Co2 Per...
62 marks
1 row by 1 column
SUM of CNTD(Co2 Per Capita): 7.001
Type here to search
36°C Mostly cloudy
ENG
17:32
15-04-2023

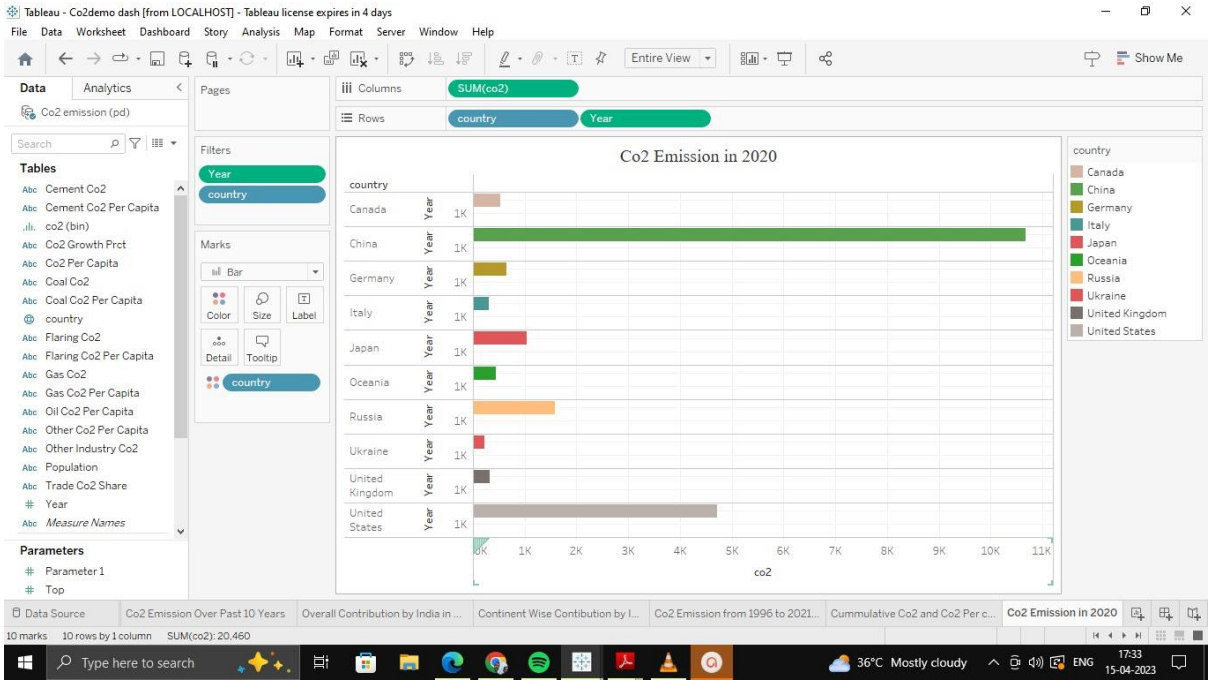


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
Year
country
Marks
Bar
Color
Size
Label
Detail
Tooltip
country
Columns
SUM(co2)
Rows
country
Year
Co2 Emission in 2020
country
Canada
China
Germany
Italy
Japan
Oceania
Russia
Ukraine
United Kingdom
United States
co2
Data Source
Co2 Emission Over Past 10 Years
Overall Contribution by India in ...
Continent Wise Contibution by I...
Co2 Emission from 1996 to 2021...
Cummulative Co2 and Co2 Per c...
Co2 Emission in 2020
10 marks
10 rows by 1 column
SUM(co2): 20.460
Type here to search
36°C Mostly cloudy
ENG
17:33
15-04-2023

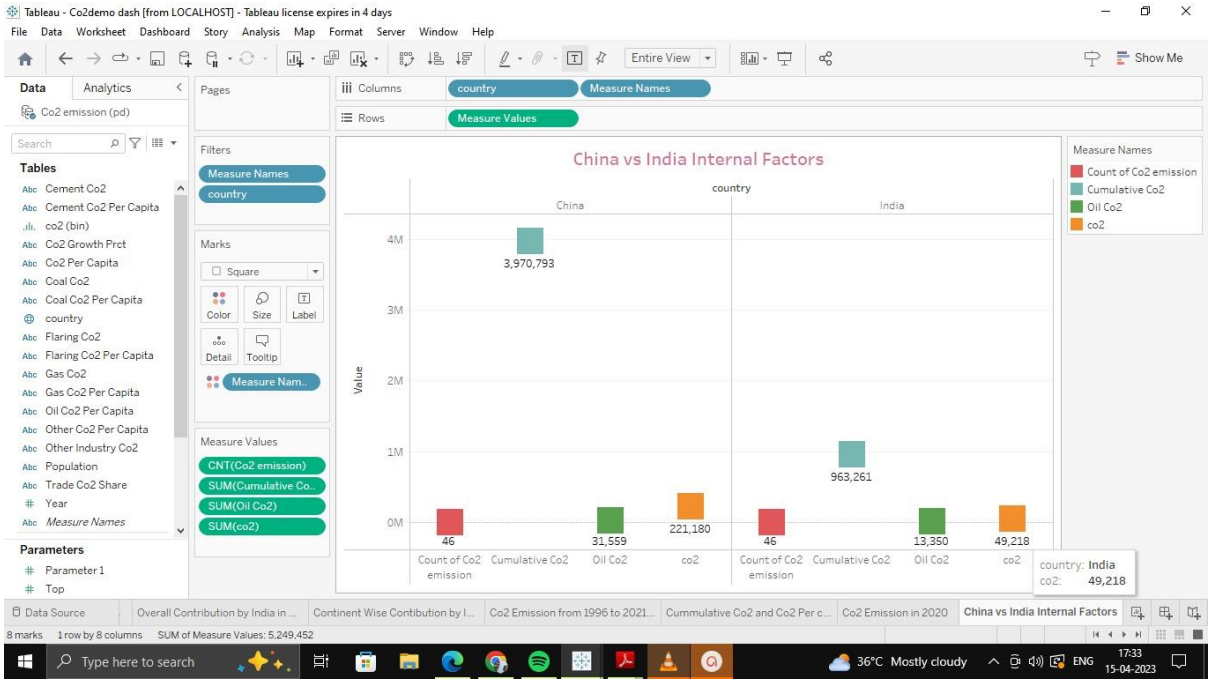


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
Measure Names
country
Marks
Square
Color
Size
Label
Detail
Tooltip
Measure Nam..
Measure Values
CNT(Co2 emission)
SUM(Cumulative Co..
SUM(Oil Co2)
SUM(co2)
Columns
country
Measure Names
Rows
Measure Values
China vs India Internal Factors
country
China
India
Value
4M
3M
2M
1M
0M
3,970,793
963,261
46
31,559
221,180
46
13,350
49,218
Count of Co2 emission
Cumulative Co2
Oil Co2
co2
country: India
co2: 49,218
Measure Names
Count of Co2 emission
Cumulative Co2
Oil Co2
co2
Data Source
Overall Contribution by India in ...
Continent Wise Contibution by I...
Co2 Emission from 1996 to 2021...
Cummulative Co2 and Co2 Per c...
Co2 Emission in 2020
China vs India Internal Factors
8 marks
1 row by 8 columns
SUM of Measure Values: 5,249,452
Type here to search
36°C Mostly cloudy
ENG
17:33
15-04-2023

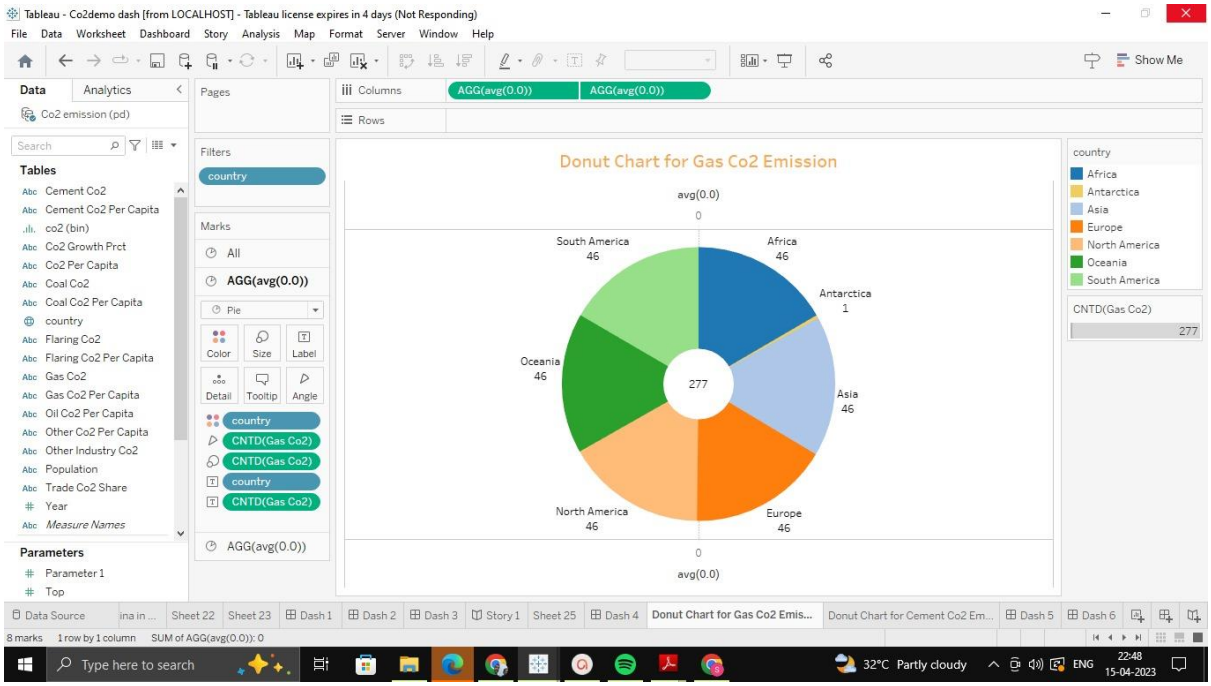


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days (Not Responding)
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data Analytics
Co2 emission (pd)
Tables
Cement Co2
Cement Co2 Per Capita
co2 (bin)
Co2 Growth Prct
Co2 Per Capita
Coal Co2
Coal Co2 Per Capita
country
Flaring Co2
Flaring Co2 Per Capita
Gas Co2
Gas Co2 Per Capita
Oil Co2 Per Capita
Other Co2 Per Capita
Other Industry Co2
Population
Trade Co2 Share
Year
Measure Names
Parameters
Parameter 1
Top
Pages
Filters
country
Marks
All
AGG(avg(0.0))
Pie
Color
Size
Label
Detail
Tooltip
Angle
country
CNTD(Gas Co2)
CNTD(Gas Co2)
country
CNTD(Gas Co2)
AGG(avg(0.0))
Columns
AGG(avg(0.0))
AGG(avg(0.0))
Rows
Donut Chart for Gas Co2 Emission
avg(0.0)
0
South America
46
Africa
46
Antarctica
1
Oceania
46
277
Asia
46
North America
46
Europe
46
0
avg(0.0)
country
Africa
Antarctica
Asia
Europe
North America
Oceania
South America
CNTD(Gas Co2)
277
Data Source
Sheet 22
Sheet 23
Dash 1
Dash 2
Dash 3
Story 1
Sheet 25
Dash 4
Donut Chart for Gas Co2 Emis...
Donut Chart for Cement Co2 Em...
Dash 5
Dash 6
8 marks
1 row by 1 column
SUM of AGG(avg(0.0)): 0
Type here to search
32°C Partly cloudy
ENG
22:48
15-04-2023

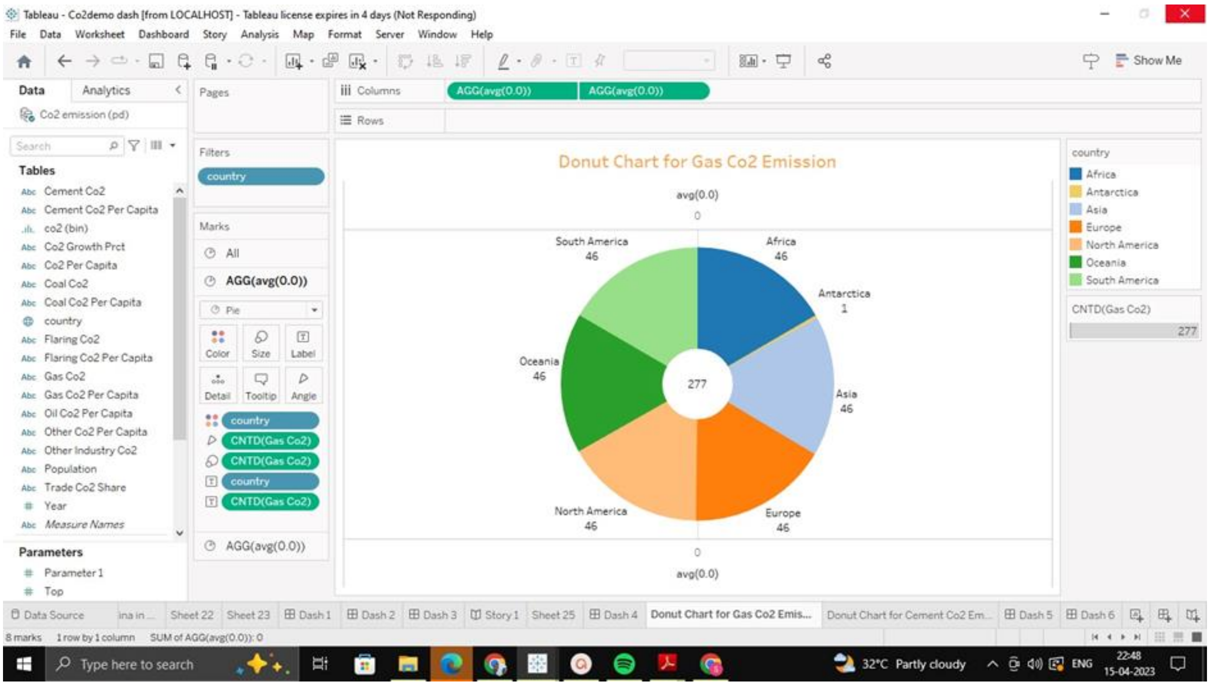


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days (Not Responding)
Donut Chart for Gas Co2 Emission
avg(0.0)
South America 46
Africa 46
Antarctica 1
Oceania 46
277
Asia 46
North America 46
Europe 46
country
Africa
Antarctica
Asia
Europe
North America
Oceania
South America
CNTD(Gas Co2)
277

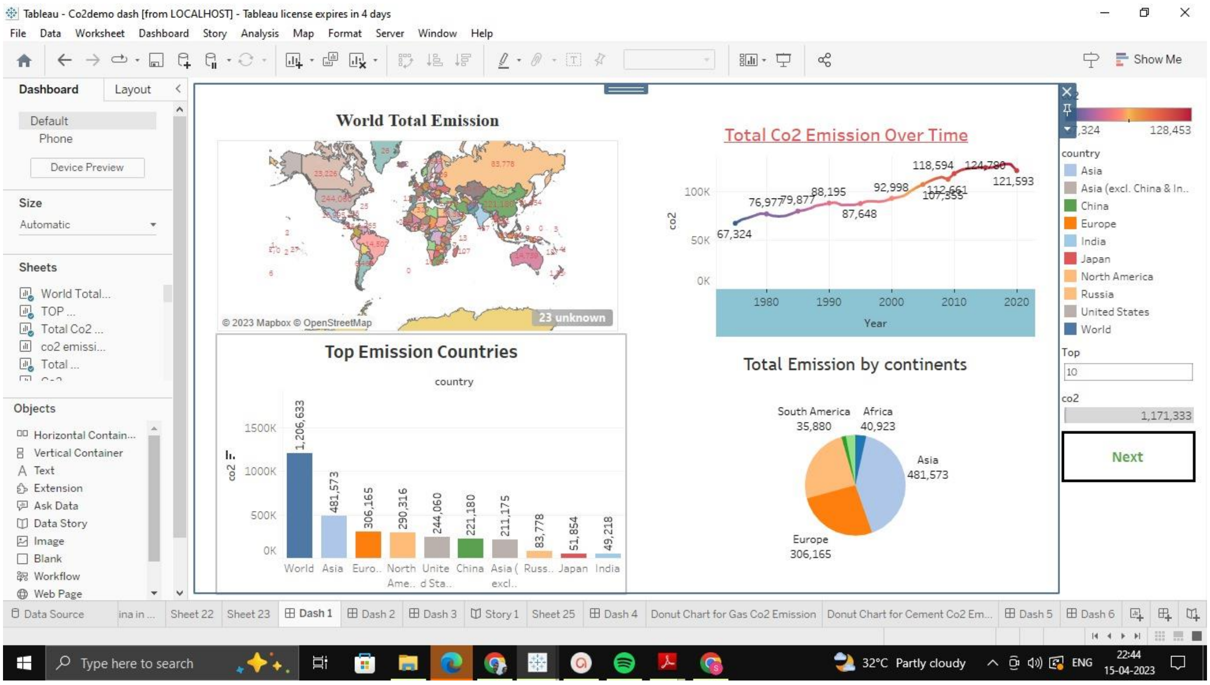


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
World Total Emission
© 2023 Mapbox © OpenStreetMap
23 unknown
Total Co2 Emission Over Time
co2
Year
Top Emission Countries
country
World 1,206,633
Asia 481,573
Euro.. 306,165
North Ame.. 290,316
Unite d Sta.. 244,060
China 221,180
Asia (excl.. 211,175
Russ.. 83,778
Japan 51,854
India 49,218
Total Emission by continents
South America 35,880
Africa 40,923
Asia 481,573
Europe 306,165
Next

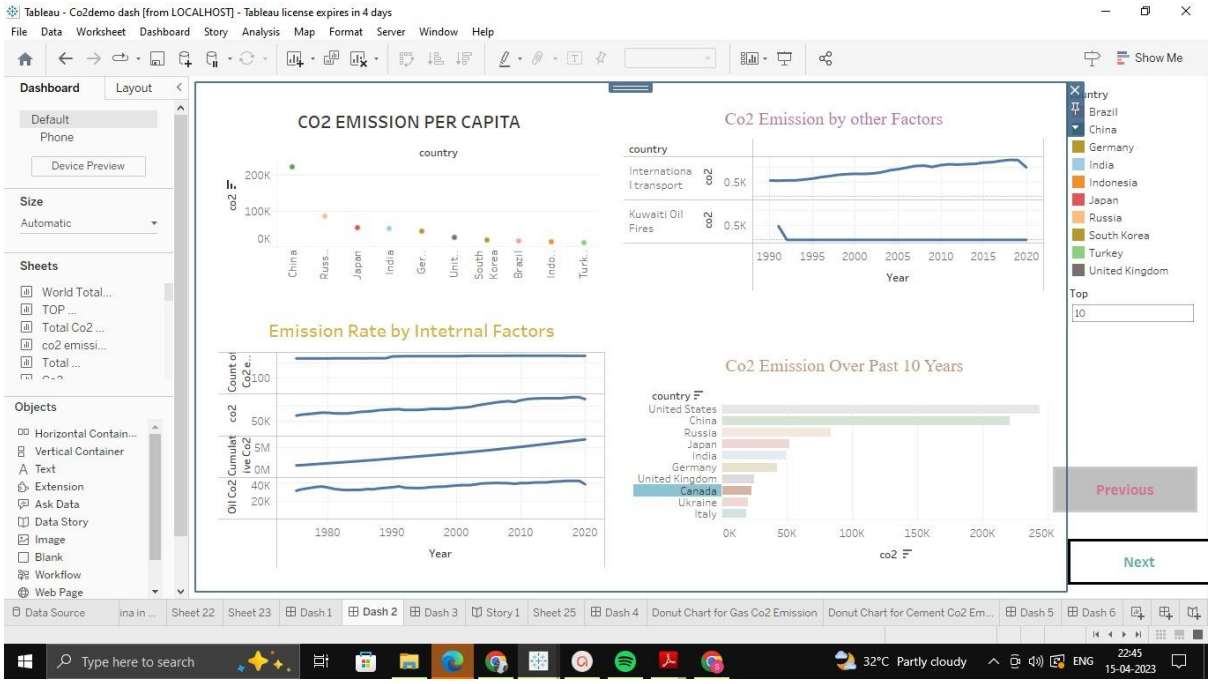


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Dashboard
Layout
Default
Phone
Device Preview
Size
Automatic
Sheets
World Total...
TOP ...
Total Co2 ...
co2 emissi...
Total ...
Objects
Horizontal Contain...
Vertical Container
Text
Extension
Ask Data
Data Story
Image
Blank
Workflow
Web Page
CO2 EMISSION PER CAPITA
country
co2
200K
100K
0K
China
Russ..
Japan
India
Ger..
Unit..
South Korea
Brazil
Indo..
Turk..
Co2 Emission by other Factors
country
Internationa l transport
Kuwaiti Oil Fires
co2
0.5K
1990
1995
2000
2005
2010
2015
2020
Year
Emission Rate by Intetrnal Factors
Count of Co2 e...
co2
Cumulative Co2
Oil Co2
100
50K
5M
0M
40K
20K
1980
1990
2000
2010
2020
Year
Co2 Emission Over Past 10 Years
country
United States
China
Russia
Japan
India
Germany
United Kingdom
Canada
Ukraine
Italy
0K
50K
100K
150K
200K
250K
co2
Previous
Next
Brazil
China
Germany
India
Indonesia
Japan
Russia
South Korea
Turkey
United Kingdom
Top
10
Data Source
Sheet 22
Sheet 23
Dash 1
Dash 2
Dash 3
Story 1
Sheet 25
Dash 4
Donut Chart for Gas Co2 Emission
Donut Chart for Cement Co2 Em...
Dash 5
Dash 6
Type here to search
32°C Partly cloudy
ENG
22:45
15-04-2023

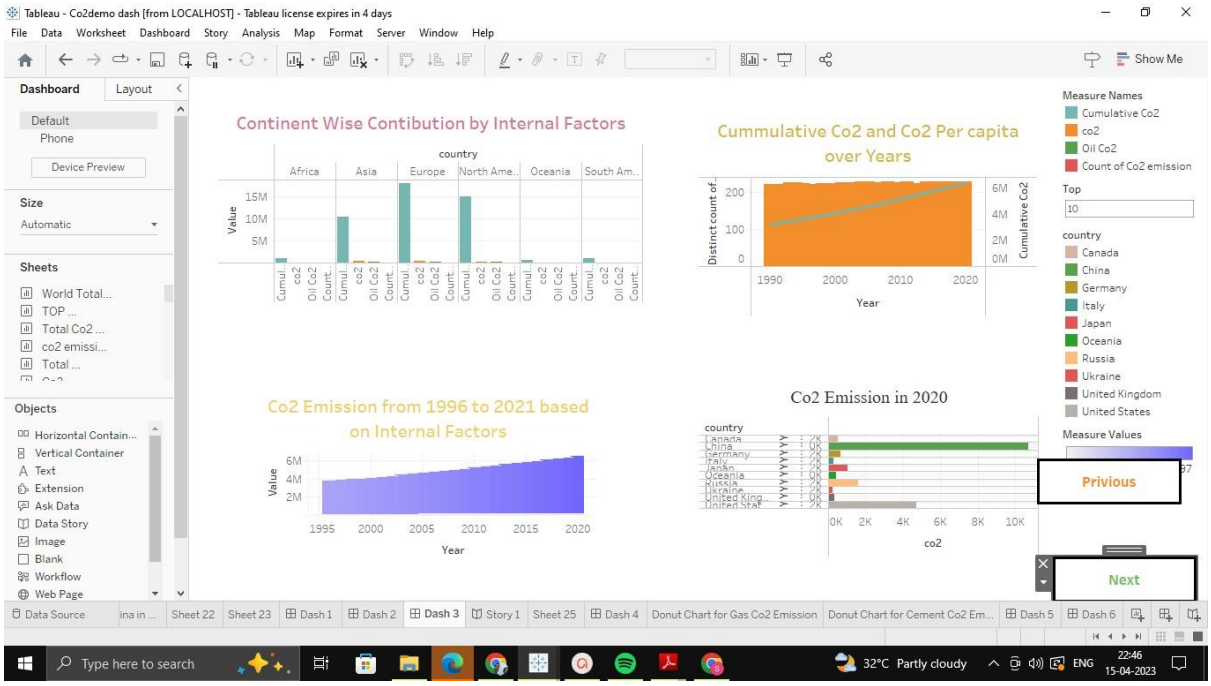
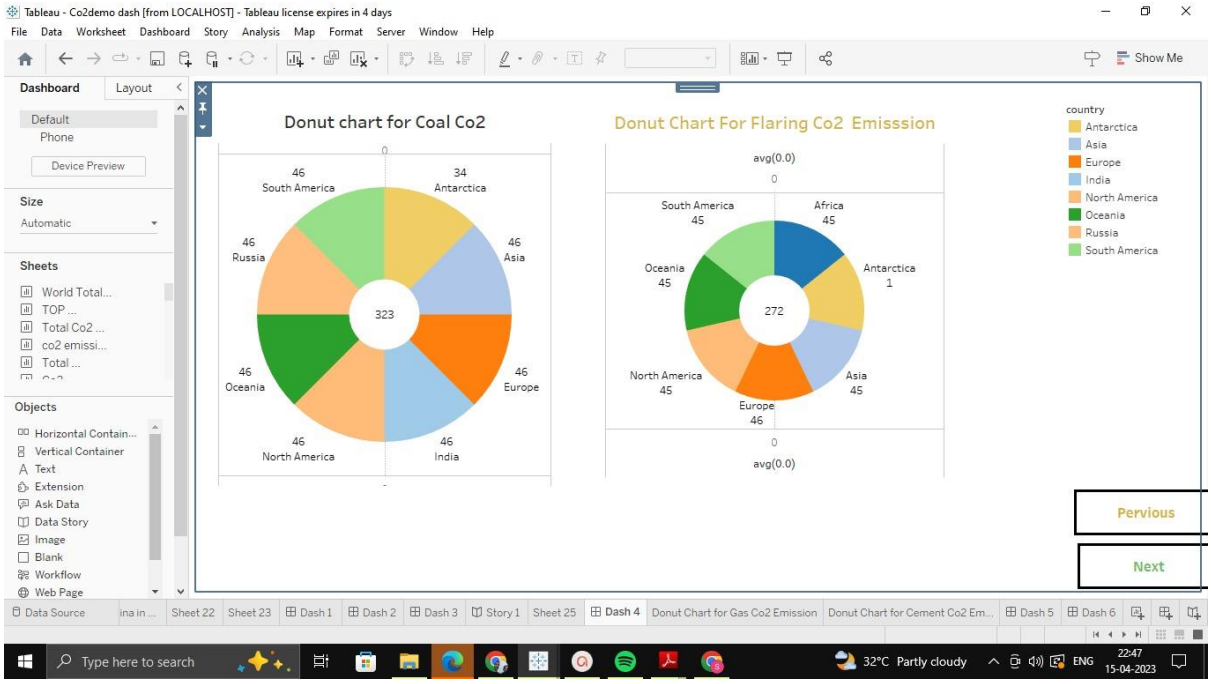
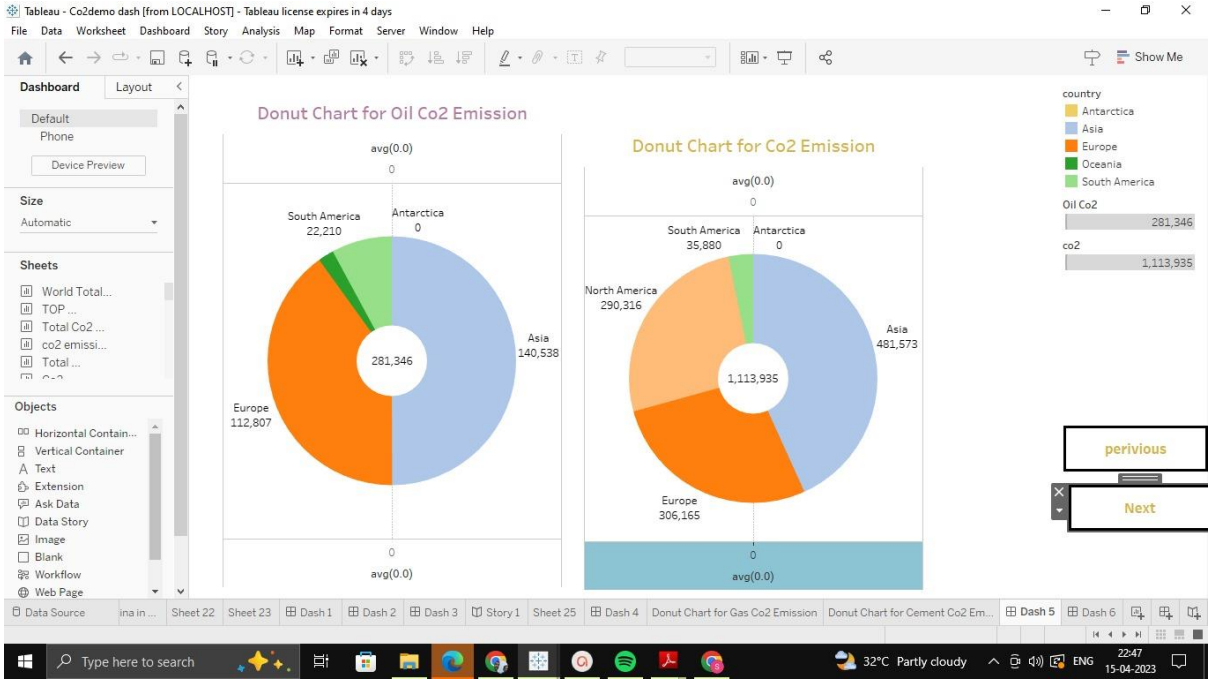


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Dashboard
Layout
Default
Phone
Device Preview
Size
Automatic
Sheets
World Total...
TOP ...
Total Co2 ...
co2 emissi...
Total ...
Objects
Horizontal Contain...
Vertical Container
Text
Extension
Ask Data
Data Story
Image
Blank
Workflow
Web Page
Continent Wise Contibution by Internal Factors
country
Africa
Asia
Europe
North Ame..
Oceania
South Am..
Value
15M
10M
5M
Cumul.
co2
Oil Co2
Count.
Cummulative Co2 and Co2 Per capita over Years
Distinct count of...
200
100
0
6M
4M
2M
0M
Cumulative Co2
1990
2000
2010
2020
Year
Co2 Emission from 1996 to 2021 based on Internal Factors
Value
6M
4M
2M
1995
2000
2005
2010
2015
2020
Year
Co2 Emission in 2020
country
Canada
China
Germany
Italy
Japan
Oceania
Russia
Ukraine
United King..
United Stat..
0K
2K
4K
6K
8K
10K
co2
Measure Names
Cumulative Co2
co2
Oil Co2
Count of Co2 emission
Top
10
country
Canada
China
Germany
Italy
Japan
Oceania
Russia
Ukraine
United Kingdom
United States
Measure Values
Previous
Next
Data Source
Sheet 22
Sheet 23
Dash 1
Dash 2
Dash 3
Story 1
Sheet 25
Dash 4
Donut Chart for Gas Co2 Emission
Donut Chart for Cement Co2 Em...
Dash 5
Dash 6
Type here to search
32°C Partly cloudy
ENG
22:46
15-04-2023

Smart Internz

Project Report Template





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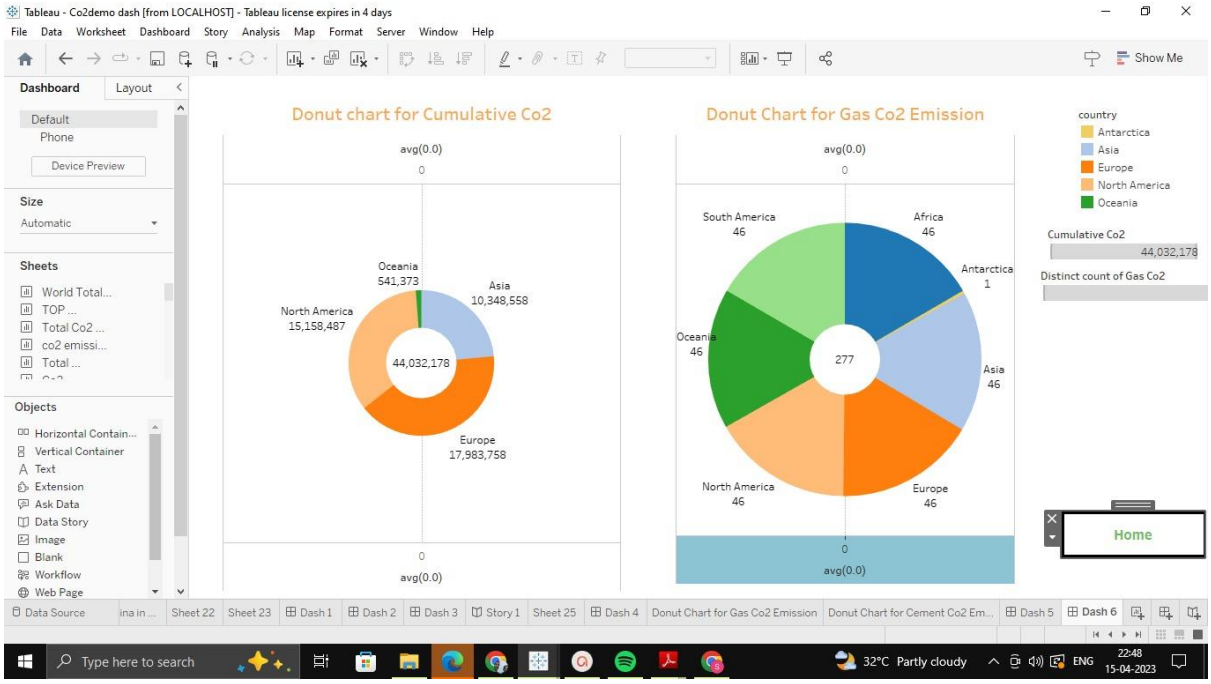
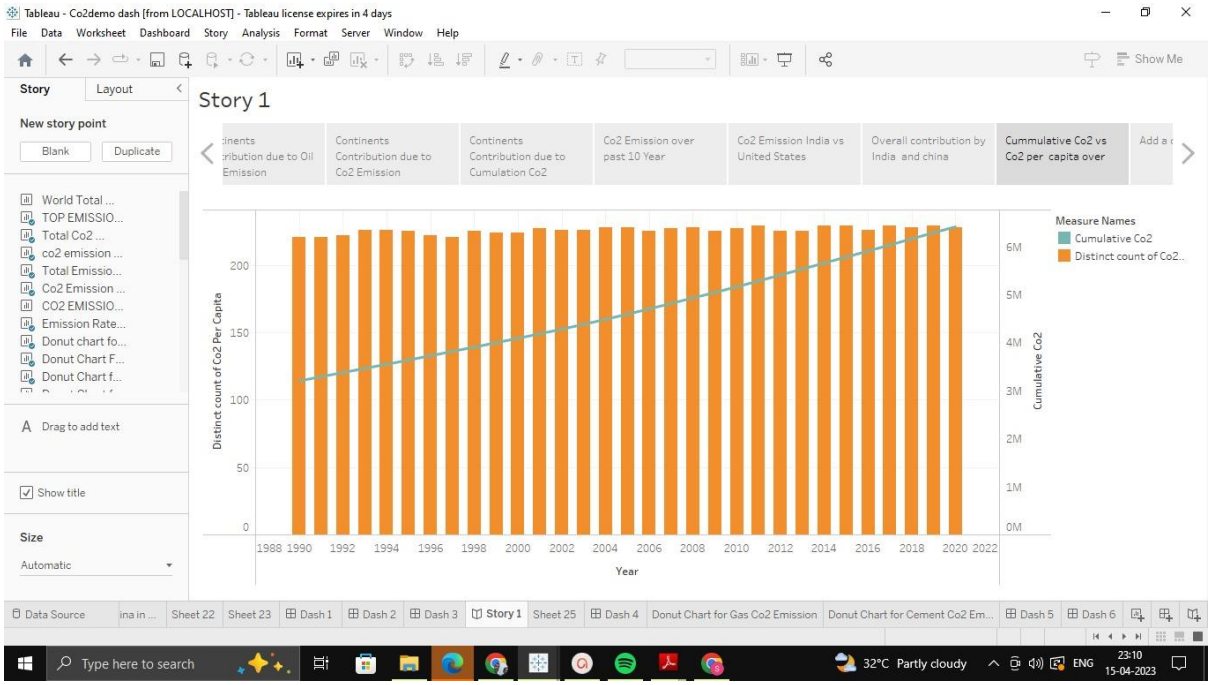
Project Report Template



STORY



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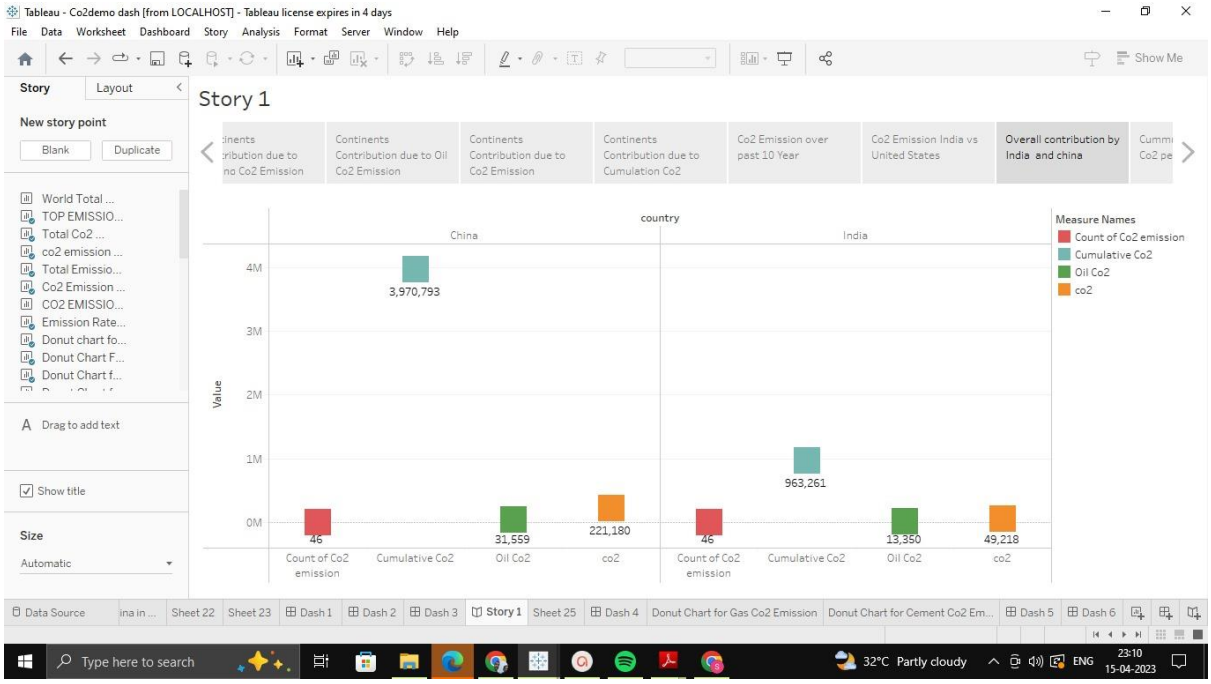
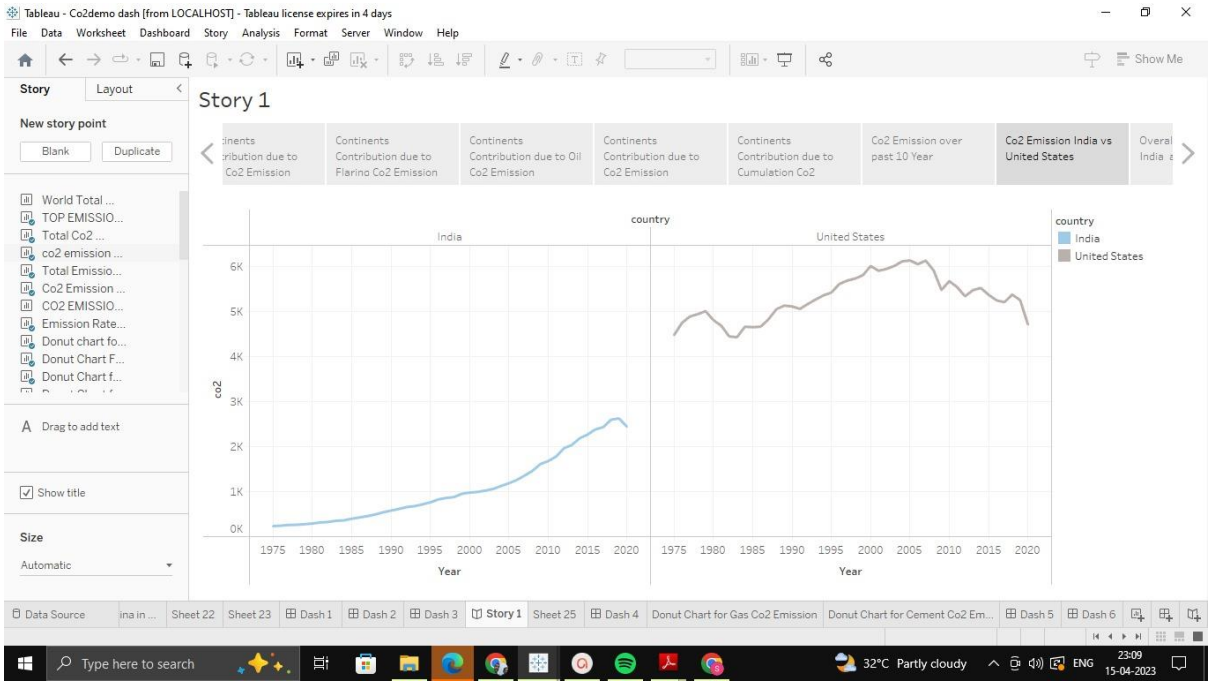
Project Report Template





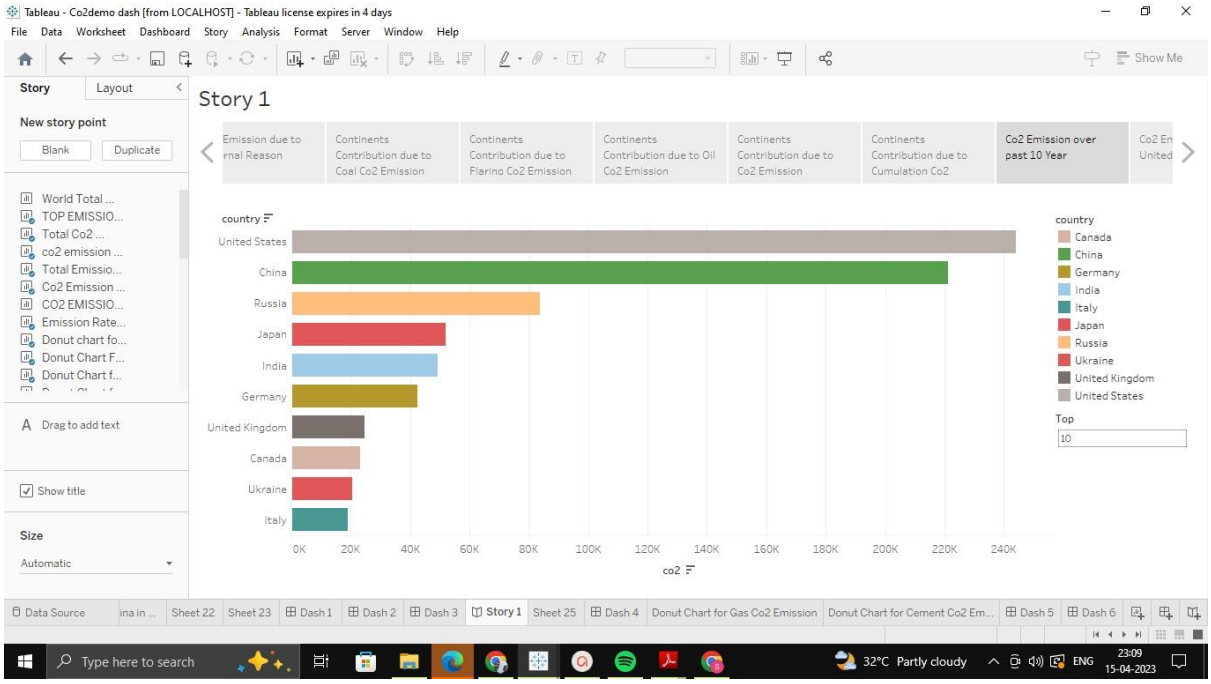


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Emission due to rnal Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flarino Co2 Emission
Continents Contribution due to Oil Co2 Emission
Continents Contribution due to Co2 Emission
Continents Contribution due to Cumulation Co2
Co2 Emission over past 10 Year
country
United States
China
Russia
Japan
India
Germany
United Kingdom
Canada
Ukraine
Italy
0K 20K 40K 60K 80K 100K 120K 140K 160K 180K 200K 220K 240K
co2
Canada
China
Germany
India
Italy
Japan
Russia
Ukraine
United Kingdom
United States
Top
10
Drag to add text
Show title
Size
Automatic
Data Source
Sheet 22
Sheet 23
Dash 1
Dash 2
Dash 3
Story 1
Sheet 25
Dash 4
Donut Chart for Gas Co2 Emission
Donut Chart for Cement Co2 Em...
Dash 5
Dash 6
Type here to search
32°C Partly cloudy
ENG
23:09
15-04-2023

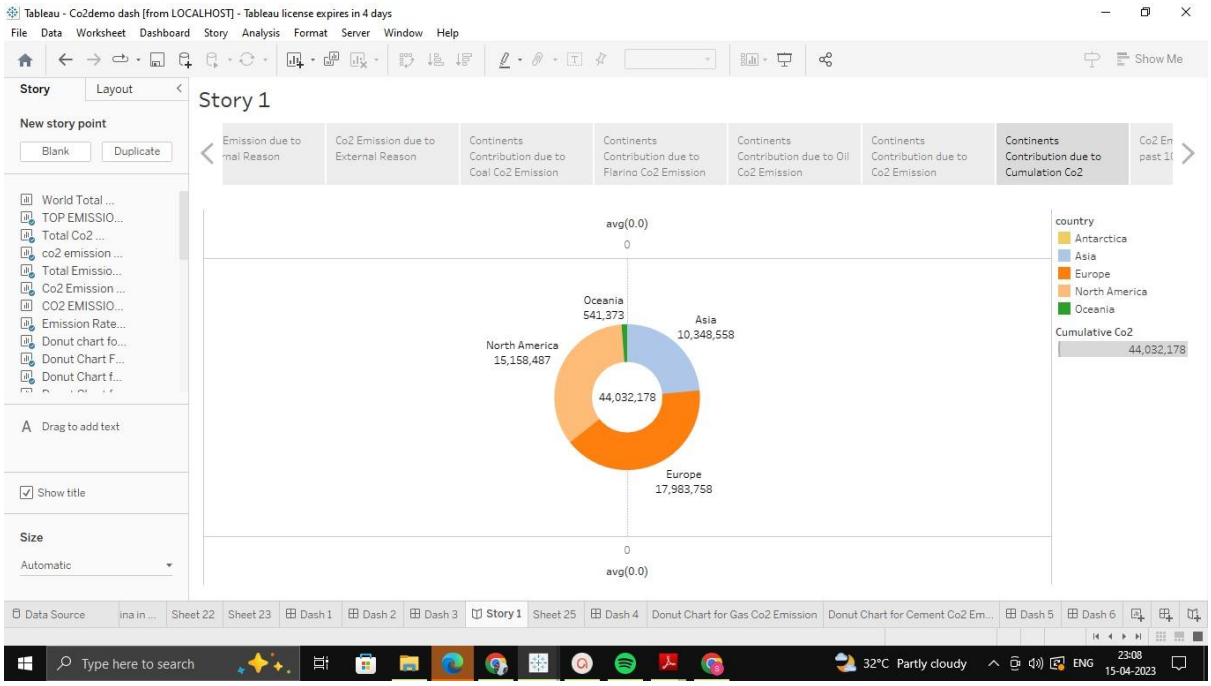
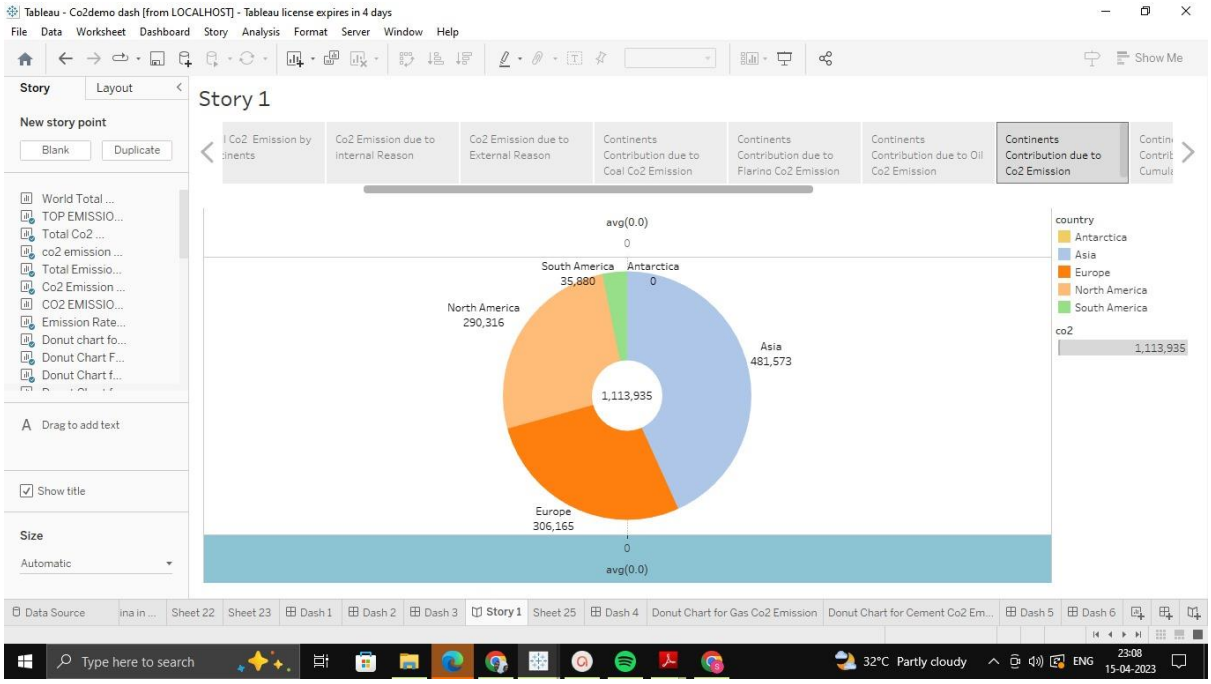
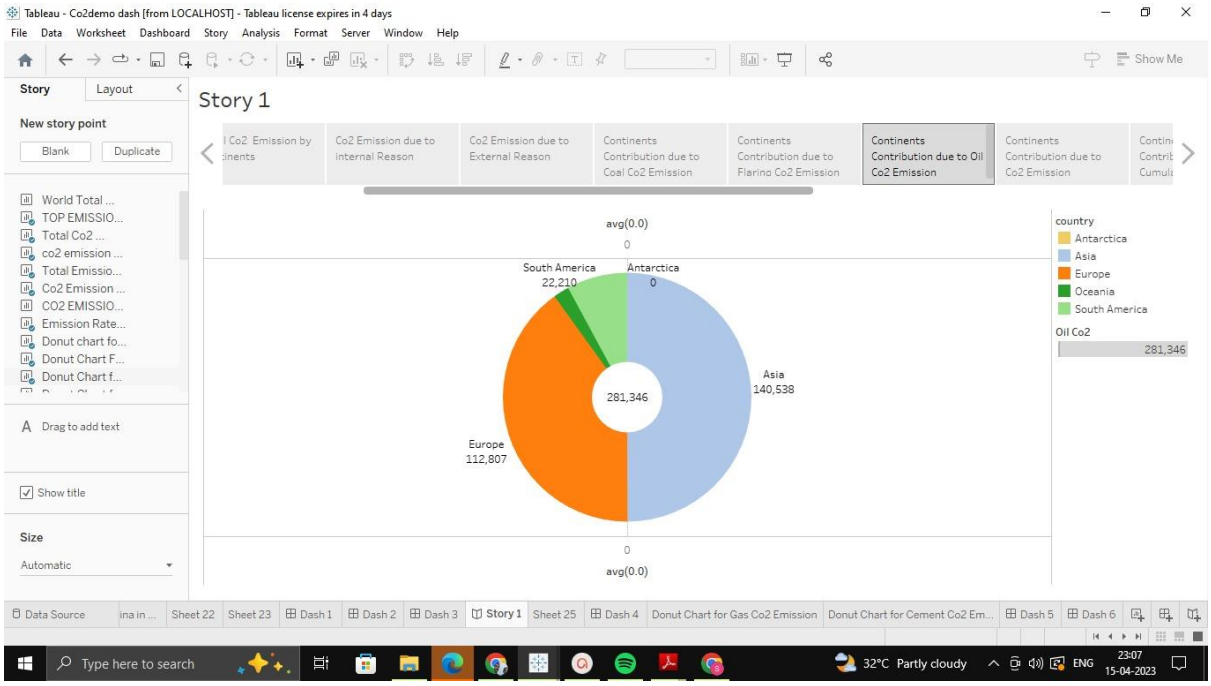


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Emission due to rnal Reason
Co2 Emission due to External Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flarino Co2 Emission
Continents Contribution due to Oil Co2 Emission
Continents Contribution due to Co2 Emission
Continents Contribution due to Cumulation Co2
avg(0.0)
0
Oceania
541,373
Asia
10,348,558
North America
15,158,487
44,032,178
Europe
17,983,758
0
avg(0.0)
country
Antarctica
Asia
Europe
North America
Oceania
Cumulative Co2
44,032,178
Drag to add text
Show title
Size
Automatic
Data Source
Sheet 22
Sheet 23
Dash 1
Dash 2
Dash 3
Story 1
Sheet 25
Dash 4
Donut Chart for Gas Co2 Emission
Donut Chart for Cement Co2 Em...
Dash 5
Dash 6
Type here to search
32°C Partly cloudy
ENG
23:08
15-04-2023

Smart Internz

Project Report Template





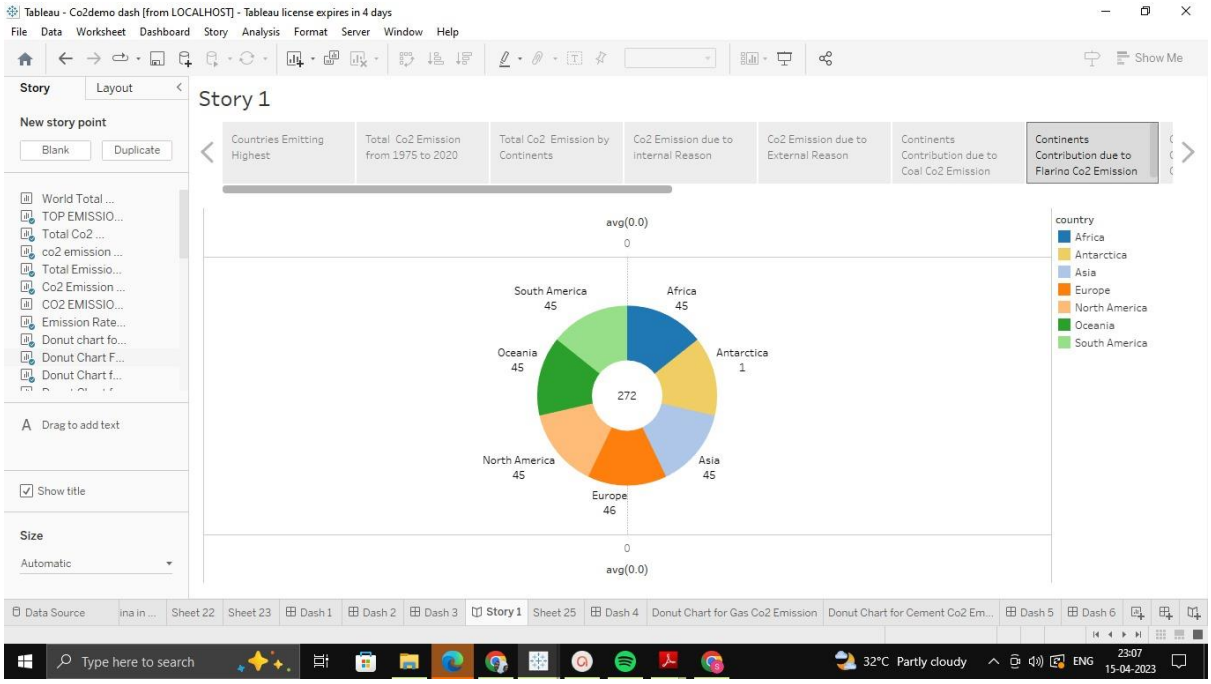


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Countries Emitting Highest
Total Co2 Emission from 1975 to 2020
Total Co2 Emission by Continents
Co2 Emission due to internal Reason
Co2 Emission due to External Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flarino Co2 Emission
avg(0.0)
South America 45
Africa 45
Antarctica 1
Oceania 45
272
North America 45
Asia 45
Europe 46
country
Africa
Antarctica
Asia
Europe
North America
Oceania
South America
Drag to add text
Show title
Size
Automatic

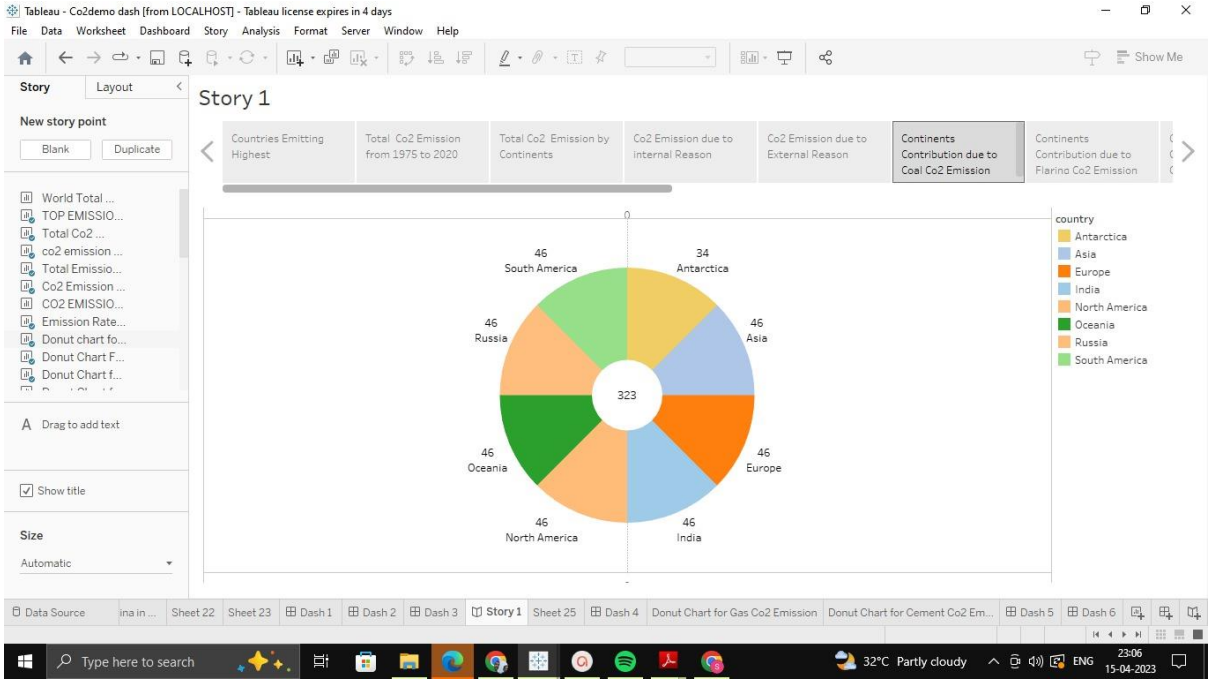


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Countries Emitting Highest
Total Co2 Emission from 1975 to 2020
Total Co2 Emission by Continents
Co2 Emission due to internal Reason
Co2 Emission due to External Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flarino Co2 Emission
46 South America
34 Antarctica
46 Russia
46 Asia
323
46 Oceania
46 Europe
46 North America
46 India
country
Antarctica
Asia
Europe
India
North America
Oceania
Russia
South America
Drag to add text
Show title
Size
Automatic

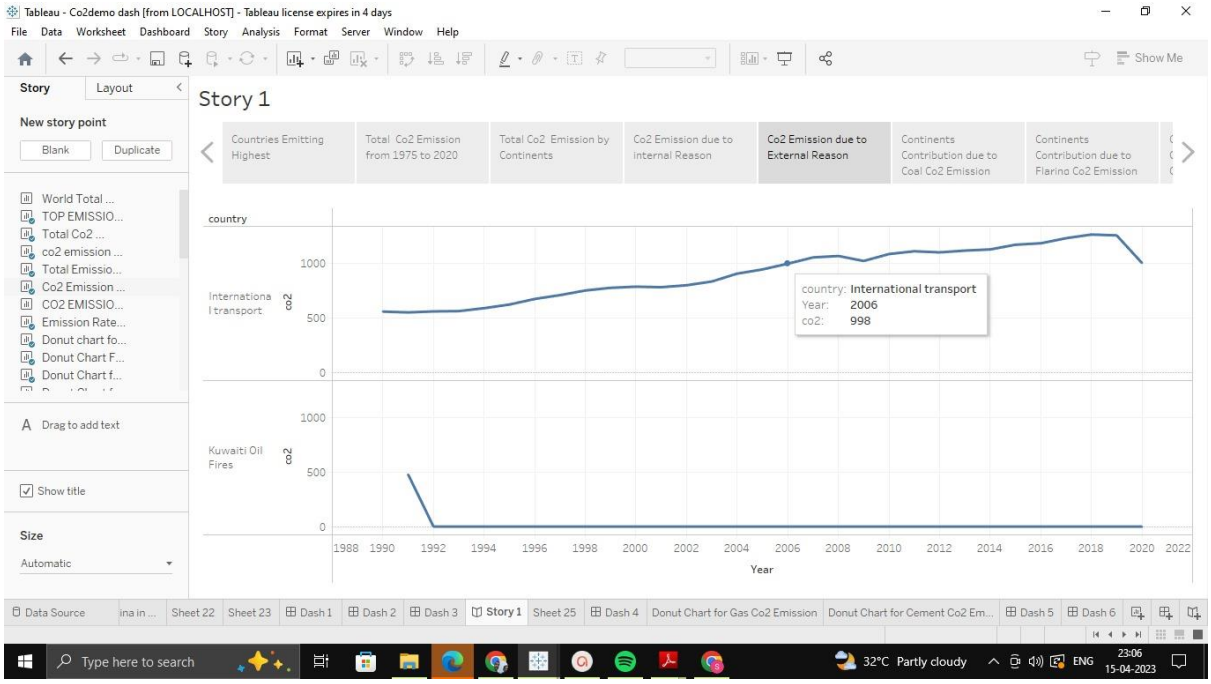


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Countries Emitting Highest
Total Co2 Emission from 1975 to 2020
Total Co2 Emission by Continents
Co2 Emission due to internal Reason
Co2 Emission due to External Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flarina Co2 Emission
country
International transport
Kuwaiti Oil Fires
co2
country: International transport
Year: 2006
co2: 998
Year
Drag to add text
Show title
Size
Automatic

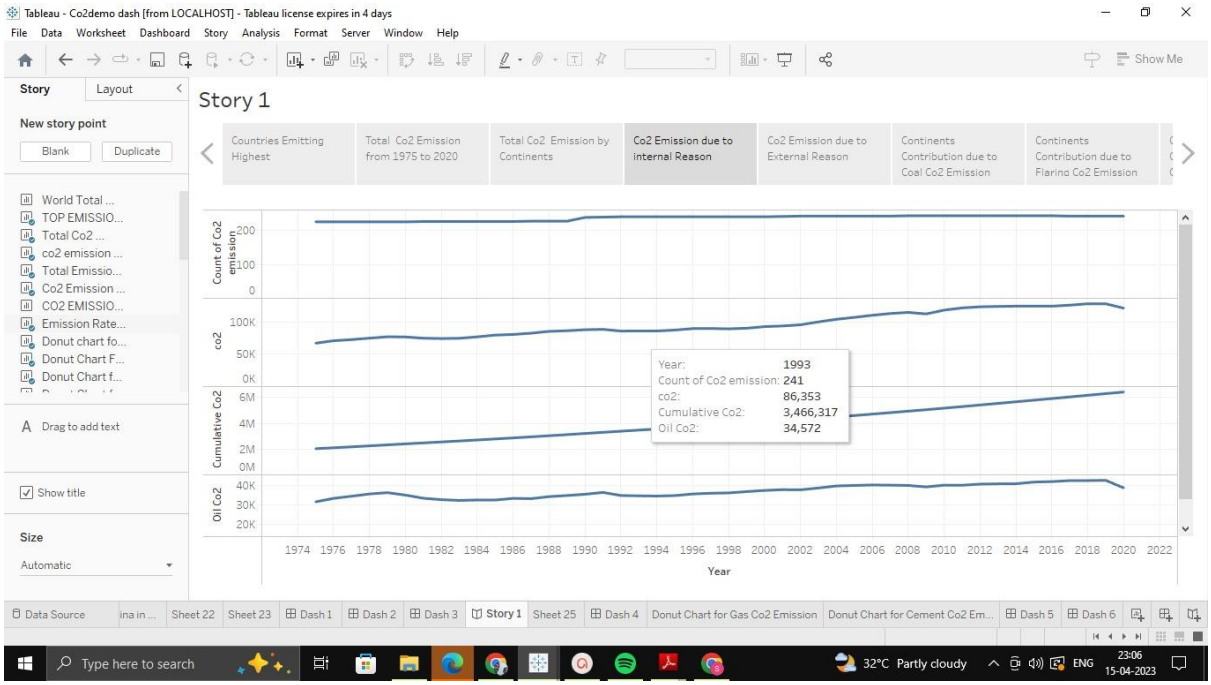


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Countries Emitting Highest
Total Co2 Emission from 1975 to 2020
Total Co2 Emission by Continents
Co2 Emission due to internal Reason
Co2 Emission due to External Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flarina Co2 Emission
Count of Co2 emission
co2
Cumulative Co2
Oil Co2
Year: 1993
Count of Co2 emission: 241
co2: 86,353
Cumulative Co2: 3,466,317
Oil Co2: 34,572
Year
Drag to add text
Show title
Size
Automatic

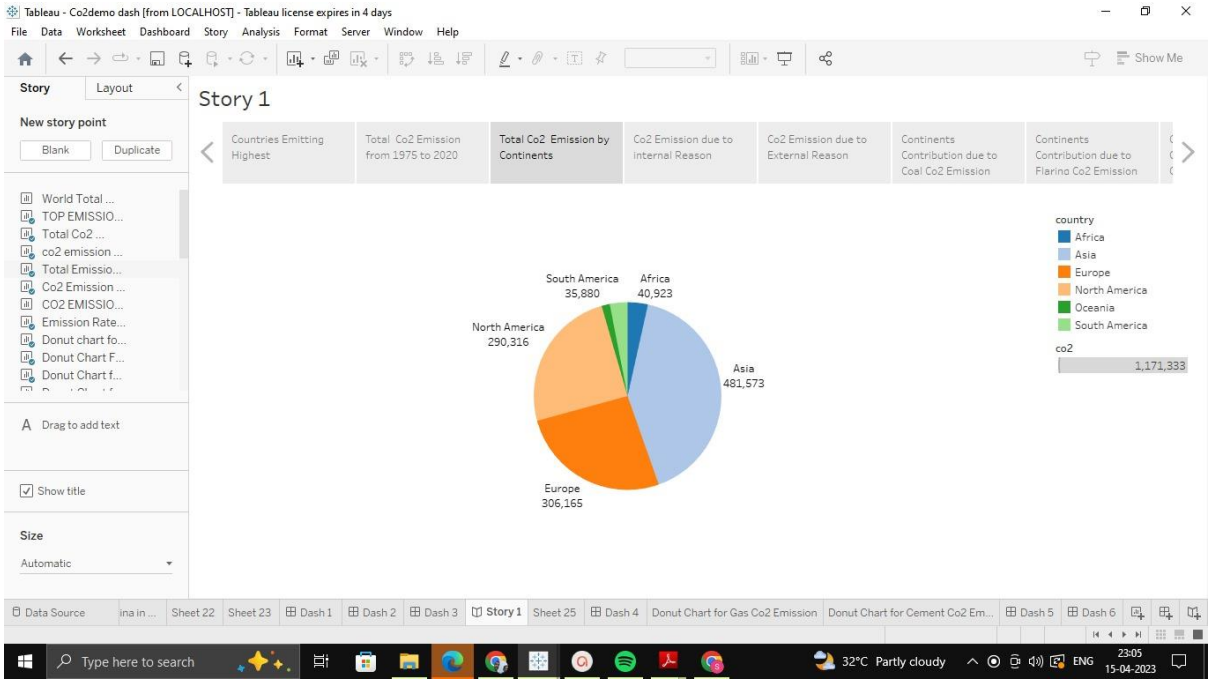


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Countries Emitting Highest
Total Co2 Emission from 1975 to 2020
Total Co2 Emission by Continents
Co2 Emission due to internal Reason
Co2 Emission due to External Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flaring Co2 Emission
South America 35,880
Africa 40,923
North America 290,316
Asia 481,573
Europe 306,165
country
Africa
Asia
Europe
North America
Oceania
South America
co2
1,171,333
Drag to add text
Show title
Size
Automatic
Data Source
Sheet 22
Sheet 23
Dash 1
Dash 2
Dash 3
Story 1
Sheet 25
Dash 4
Donut Chart for Gas Co2 Emission
Donut Chart for Cement Co2 Em...
Dash 5
Dash 6
Type here to search
32°C Partly cloudy
ENG
23:05
15-04-2023

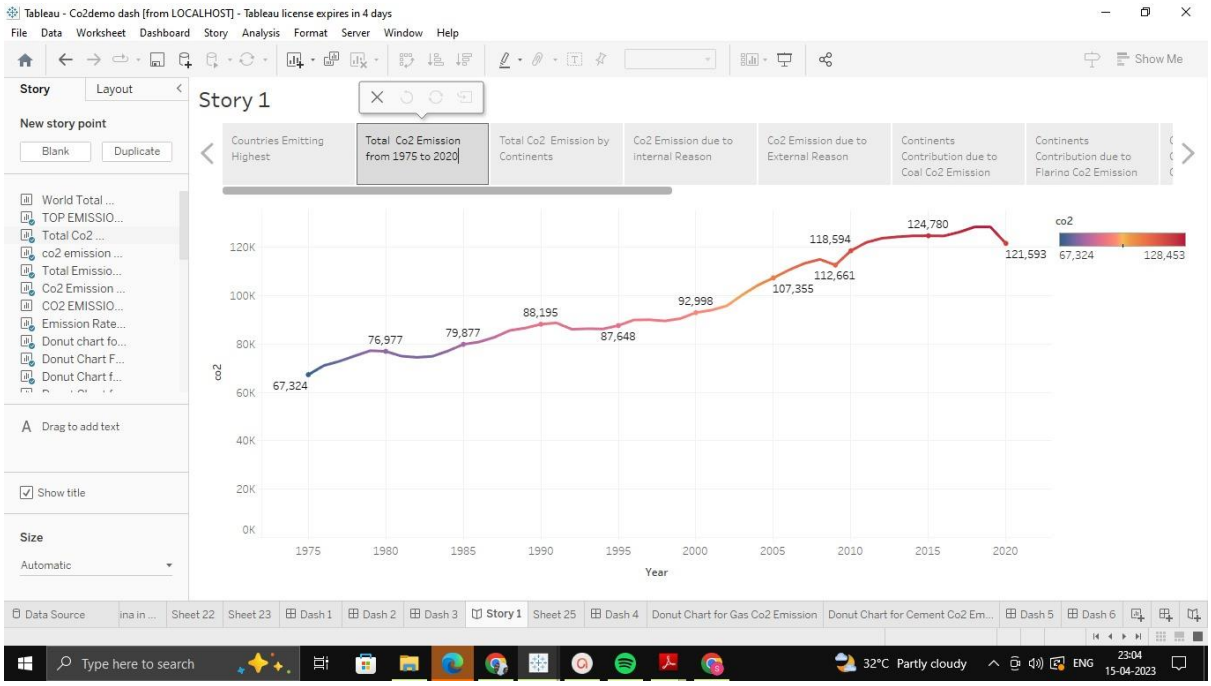
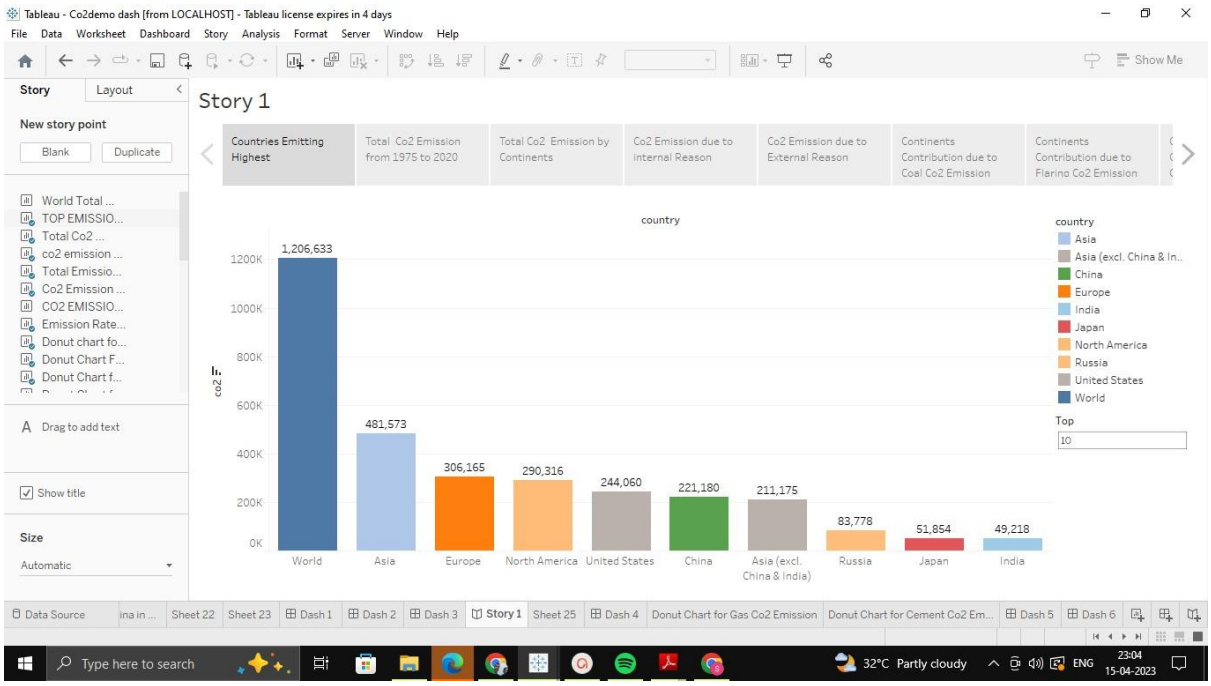


Tableau - Co2demo dash [from LOCALHOST] - Tableau license expires in 4 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Story 1
Countries Emitting Highest
Total Co2 Emission from 1975 to 2020
Total Co2 Emission by Continents
Co2 Emission due to internal Reason
Co2 Emission due to External Reason
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Flaring Co2 Emission
co2
120K
100K
80K
60K
40K
20K
0K
67,324
76,977
79,877
88,195
87,648
92,998
107,355
112,661
118,594
124,780
121,593
67,324
128,453
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year
Drag to add text
Show title
Size
Automatic
Data Source
Sheet 22
Sheet 23
Dash 1
Dash 2
Dash 3
Story 1
Sheet 25
Dash 4
Donut Chart for Gas Co2 Emission
Donut Chart for Cement Co2 Em...
Dash 5
Dash 6
Type here to search
32°C Partly cloudy
ENG
23:04
15-04-2023



4.ADVANTAGE AND DISADVANTAGE

Advantages

- Green plants grow faster with more co2
- Boost Agricultural productivity and improve drought resistance. Regeilation of blood PH,affinity of hemoglobin for oxygen.

Disadvantages

- As co2 levels rise, the earth's temperature rise with it causing the melting of the polar ice caps directly into the oceans.
- They also contribute to respiratory disease from smog and air pollution

5.APPLICATIONS

1. CO2 is used to produce fuels that are in use today including methane, methanol, gasoline and avitation fuels
2. It is used in food and beverage production, the fabrication of metal, cooling , FIRE SUPPRESSION and in greenhouses to stimulate plant growth.

6. CONCLUSION

Nonetheless the conclusion is the regional climate changes, especiatly temperature increase, are on spactring natural systems across the world and that these temperature increase are most likely to be the result of anthropogenic co2 emission (green house gas emissions)

7.Future scope

To help direct and indirect emissions sorceries improve transparency. And provide utility for different types of organizations and different types of climate policies and business goals, three scopes are defined for GHG accounting and reporting purpose

Scope 1 Direct GHG EMISSION

Direct GHG emissions occour from sources that are owned on controlled by the company. Emissions from chemical production in owned or controlled process equipment.

Example: CFcs, Nox, burning fuel in our fleet of vehicles etc.,

Scope 2 Electricity Indirect GHG Emission

Purchased electricity isdefine as electricity that is purchased or otherwise brought into the organizational boundary of the company. Emissions physically occur at the facility where electricity is generated

Scope 3 Other Indirect GHG Emission

Scope 3 is an optional reporting category that allows for the treatment of all other indirect emissions.

Some example of scope 3 activities are extraction and production of purchased materials transportation of purchased fuels, and use of products and services.

7 APPENDIX

```
<!doctype html>

<html lang="en">


<head>

        <!-- Required meta tags -->

        <meta charset="utf-8">

        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

        <link rel="icon" href="img/favicon.png" type="image/png">

        <title>Co2 Emission</title>

        <!-- Bootstrap CSS -->

        <link rel="stylesheet" href="css/bootstrap.css">

        <link rel="stylesheet" href="//code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">

        <link rel="stylesheet" href="vendors/linericon/style.css">

        <link rel="stylesheet" href="css/font-awesome.min.css">

        <link rel="stylesheet" href="vendors/owl-carousel/owl.carousel.min.css">

        <link rel="stylesheet" href="vendors/lightbox/simpleLightbox.css">

        <link rel="stylesheet" href="vendors/nice-select/css/nice-select.css">

        <link rel="stylesheet" href="vendors/animate-css/animate.css">

        <link rel="stylesheet" href="vendors/popup/magnific-popup.css">

        <!-- main css -->

        <link rel="stylesheet" href="css/style.css">

        <link rel="stylesheet" href="css/responsive.css">

</head>


<body>
```

```
<!--=================Header Menu Area =================-->
<header class="header_area">
    <div class="top_menu row m0">
        <div class="container">
            <div class="float-left">
                <ul class="list header_social">
                    <li><a href="#">Contact Us +44 (012) 5689 3264</a></li>
                </ul>
            </div>
            <div class="float-right">
                <select>
                    <option value="1">USD</option>
                    <option value="1">EUR</option>
                    <option value="1">AOA</option>
                    <option value="1">AUD</option>
                </select>
                <select>
                    <option value="1">ENG</option>
                    <option value="1">FRA</option>
                    <option value="1">BAN</option>
                </select>
            </div>
        </div>
    </div>
    <div class="main_menu">
        <nav class="navbar navbar-expand-lg navbar-light">
```

```
<div class="container">
<!-- Brand and toggle get grouped for better mobile display -->
<a class="navbar-brand logo_h" href="index.html"><img src="img/logo.png" alt=""></a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"
aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse offset" id="navbarSupportedContent">
<ul class="nav navbar-nav menu_nav ml-auto">
<li class="nav-item active"><a class="nav-link" href="index.html">Home</a></li>
<li class="nav-item"><a class="nav-link" href="about-us.html">About</a></li>
<li class="nav-item"><a class="nav-link" href="gallery.html">Dashboard</a></li>

<li class="nav-item"><a class="nav-link" href="elements.html">Story</a></li>
<li class="nav-item"><a class="nav-link" href="rooms.html">Overview</a></li>
</ul>
</li>
```

```
                                        <li class="nav-item"><a class="nav-link"
href="contact.html">Contact</a></li>
                                    </ul>
                                </div>
                            </div>
                        </nav>
                    </div>
                </header>
                <!--================Header Menu Area =================-->


                <!--================Home Banner Area =================-->
                <section class="home_banner_area">
                    <div class="banner_inner d-flex align-items-center">
                        <div class="overlay bg-parallax" data-stellar-ratio="2" data-stellar-vertical-
offset="0" data-background=""></div>
                        <!-- <div class="overlay overlay-bg"></div> -->
                        <div class="container">
                            <div class="banner_content text-center">
                                <p class="top-text">Welcome to</p>
                                <h1>Global Co2 Emission Analysis</h1>
                                <p class="text">Carbon dioxide (CO2) is a trace gas in
Earth’s atmosphere. It is also found in large quantities dissolved in the world’s oceans. It is a
byproduct of cellular respiration and is an essential component of photosynthesis—plants, algae,
and certain types of bacteria remove it from the air in the process of carbon fixation.


                                </p>


                            </a>
                        </div>
```

```
                    </div>
                </div>
            </section>
            <!--================End Home Banner Area ================-->



            <!--================About Area ================-->
            <section class="about_area section_gap">
                <div class="container">
                    <div class="row">
                        <div class="col-lg-12">
                            <div class="main_title">
                                <div class="top-part">
                                    <p>About Us Our Co2 Emission</p>
                                </div>
                                <h2>
                                    About Us Our Co2 Emission


                                </h2>
                                <div class="bottom_part">
                                    <p>
                                        This paper discusses the method
and results of a trend
assessment of global CO2 emissions up to 2009 and updates
last year’s assessment up to and including 2008. The current
assessment includes not only fossil fuel combustion on which
the BP reports are based, but also incorporates all other
```

relevant CO2 emissions sources including flaring of waste gas during oil production, cement clinker production and other limestone uses, feedstock and other non-energy uses of fuels, and from several other small sources.

The assessment excludes CO2 emissions from deforestation and logging, forest and peat fires, from post-burn decay of remaining above-ground biomass, and from decomposition of organic carbon in drained peat soils. The latter mostly affects developing countries. These sources could add as much as a further 20% to global CO2 emissions. However, this percentage is highly uncertain and varies widely between years. This variation is also a reason that emissions and sinks from land use, land-use change and the forestry sector (LULUCF) are kept separate from the UN Climate Convention (UNFCCC) and the Kyoto Protocol. For the same reason, the emissions from the LULUCF sector are not included in this assessment. Information on recent emissions from forest and peat fires and post-burn emissions is being assessed by the Global Carbon Project, which will publish later this year a comprehensive assessment of the global carbon budget including all sources and sinks (GCP, 2010).

The estimate of global CO2 emissions from 1970 to 2005 is based on the results of the EDGAR 4.1 dataset, a joint project of the European Commission's Joint Research Centre (JRC) and the Netherlands Environmental Assessment Agency (PBL). This dataset provides greenhouse gas emissions per country and on a 0.1 x 0.1 degree grid for all anthropogenic

sources identified by the IPCC for the period 1970-2005 (JRC/PBL, 2010). Although the publicly released dataset distinguishes about 25 sources categories, emissions are estimated for well over 100 detailed categories as identified in the Revised 1996 IPCC guidelines for compilation of emission inventories (IPCC, 1996).

For fuel-related combustion emissions, the EDGAR dataset uses detailed international energy statistics from the International Energy Agency (IEA, 2009) and the latest methodology, and CO2 emission factors for 56 fuel types published in the 2006 IPCC Guidelines for GHG Emission Inventories (IPCC, 2006). Other sources of CO2 emissions included are flaring and venting of associated gas from oil production, the production of minerals such as cement and lime, metals production, the production of chemicals such as ammonia and ethylene, and several other small sources such as lubricant and wax use. Moreover, to improve completeness, several other small sources identified in the 2006 IPCC Guidelines were added, such as waste incineration(6C) and underground coal fires in China and elsewhere (7A).

These sources add about 0.3% to fuel combustion emissions.

</p>

```
</section>

<!--================End About Area ================-->


<!-- Start Our Gallery Area -->

<section class="our_gallery_area">

        <div class="container-fluid">

                <div class="row">

                        <div class="col-lg-12">

                                <div class="main_title">

                                        <div class="top-part">

                                                <p>Dashboard</p>

                                        </div>

                                        <h2>Dashboard</h2>

                                        <div class="bottom_part">

                                                <p>

                                                        <div class='tableauPlaceholder'
id='viz1681329367070' style='position: relative'><noscript><a href='#'><img alt='Dash 1  '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Co&#47;Co2demodash_168
13289164650&#47;Dash1&#47;1_rss.png' style='border: none' /></a></noscript><object
class='tableauViz'  style='display:none;'><param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3'
/> <param name='site_root' value='' /><param name='name'
value='Co2demodash_16813289164650&#47;Dash1' /><param name='tabs' value='no' /><param
name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Co&#47;Co2demodash_1
6813289164650&#47;Dash1&#47;1.png' /> <param name='animate_transition' value='yes'
/><param name='display_static_image' value='yes' /><param name='display_spinner' value='yes'
/><param name='display_overlay' value='yes' /><param name='display_count' value='yes' /><param
name='language' value='en-US' /><param name='filter' value='publish=yes' /></object></div>
<script type='text/javascript'>                 var divElement =
document.getElementById('viz1681329367070');                var vizElement =
divElement.getElementsByTagName('object')[0];                if ( divElement.offsetWidth > 800 ) {
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.75)+'px';} else if (
divElement.offsetWidth > 500 ) {
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.75)+'px';} else {
```

vizElement.style.width='100%';vizElement.style.height='1527px';} var scriptElement = document.createElement('script'); scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js'; vizElement.parentNode.insertBefore(scriptElement, vizElement); </script>

</p>

</div>

</div>

</div>

</div>

</div>

</section>

<!-- End Our Room Area -->

<!--================Latest Element Area =================-->

<section class="latest_blog_area section_gap color-bg">

<div class="container">

<div class="row">

```
<div class="col-lg-12">
    <div class="main_title">
        <p class="text-uppercase">Story</p>
        <h2>
            Our Story
        </h2>
        <p>
            <div class='tableauPlaceholder' id='viz1681329506974' style='position: relative'><noscript><a href='#'><img alt='Story 1 ' src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Co&#47;Co2story_16811455152930&#47;Story1&#47;1_rss.png' style='border: none' /></a></noscript><object class='tableauViz'  style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' /> <param name='site_root' value='' /><param name='name' value='Co2story_16811455152930&#47;Story1' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Co&#47;Co2story_16811455152930&#47;Story1&#47;1.png' /> <param name='animate_transition' value='yes' /><param name='display_static_image' value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param name='display_count' value='yes' /><param name='language' value='en-US' /></object></div>
            <script type='text/javascript'>
var divElement = document.getElementById('viz1681329506974');
            var vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.75)+'px';
var scriptElement = document.createElement('script');
            scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
            </script>
        </div>
    </div>
</div>
</div>
</div>
</section>
```

<!--==========End Latest Element Area ==========-->