d d 1 2 3 4	Cameroon 0 3 0<	2022- 09-21 0 0 0
<(C) Ra Da	Country 129 non-null object Confirmed_Cases 129 non-null float64 Suspected_Cases 129 non-null float64 Hospitalized 129 non-null float64 Travel_History_Yes 129 non-null float64	
0 1 2 3 4	Portugal 908.0 0.0 0.0 0.0 34.0 Spain 7083.0 0.0 13.0 2.0 0.0 United States 24403.0 0.0 4.0 41.0 11.0	
d' CC CC SI HC TI TI d' d' d' d' d' d' d'	<pre>checking the Datatypes f_worldwide.dtypes country</pre>	
## 0 1 2 3 4	Portugal 908 0 0 0 34 Spain 7083 0 13 2 0 United States 24403 0 4 41 11	
]: ## d ## CCC CC SI HC TT TT dt	ndex(['Country', 'Confirmed_Cases', 'Suspected_Cases', 'Hospitalized',	
]: d	Confirmed_Cases Suspected_Cases Hospitalized Travel_History_No out 129.00000 129.00000 129.00000 near 505.542636 28.472868 1.170543 2.124031 0.705426 std 2376.143711 254.846647 2.795432 4.758229 3.512040 min 0.000000 0.000000 0.000000 0.000000 25% 2.000000 0.000000 0.000000 0.000000 50% 6.000000 0.000000 1.000000 0.000000 77.000000 0.000000 18.00000 41.000000 34.000000 f_worldwide.shape 6.000000 1.000000 1.000000 1.000000	
]: #	The Countries in the dataset f_worldwide.Country.unique() rray(['England', 'Portugal', 'Spain', 'United States', 'Canada',	
To To	'Singapore', 'South Africa', 'Taiwan', 'Colombia', 'Croatia', 'Bulgaria', 'Somalia', 'Zambia', 'Fiji', 'Benin', 'Estonia', 'Puerto Rico', 'Panama', 'Dominican Republic', 'Jamaica', 'New Zealand', 'Russia', 'Bosnia And Herzegovina', 'Saudi Arabia', 'Martinique', 'Barbados', 'Qatar', 'Bermuda', 'Japan', 'Guadeloupe', 'Andorra', 'New Caledonia', 'China', 'Philippines', 'Montenegro', 'Cyprus', 'Lithuania', 'Guatemala', 'Saint Martin (French part)', 'Greenland', 'Moldova', 'Honduras', 'Monaco', 'Indonesia', 'Curaçao', 'Aruba', 'Cuba', 'Guyana', 'El Salvador', 'Belize', 'Hong Kong', 'South Sudan', 'Egypt', 'Jordan', 'Guam', 'Ukraine', 'Bahrain', 'Nigeria', 'Democratic Republic Of The Congo', 'Central African Republic', 'Republic of Congo', 'Cameroon', 'Liberia', 'Sierra Leone'], dtype=object) otal_confirmed_cases=df_worldwide['Confirmed_Cases'].sum() otal_suspected_cases=df_worldwide['Hospitalized'].sum() rint('Total Confirmed cases: ', Total_confirmed_cases)	
p p T T T T T T T T T T T T T T T T T T	rint('Total Suspected Cases: ',Total_suspected_cases) rint('Total Hospitalized cases: ',Total_hospitalized_cases) ptal Confirmed cases: 65215 ptal Suspected Cases: 3673 ptal Hospitalized cases: 151 Monkey Pox Confirmed cases worldwide ig= px.choropleth(df_worldwide,	
		irmed_Cas 20k 15k
]: s		5k 0
0 1 2 3 4 5 6 7 8	10 Germany 3590 0 18 19 16 0 England 3412 0 5 2 7 36 Peru 2251 0 2 2 0 73 Colombia 1653 0 0 3 0 4 Canada 1388 12 1 5 0 32 Mexico 1367 0 0 3 0	
x; y; p, p, p, p,	lt.figure(figsize=(12,5)) =sorted_data['Country'][:10] =sorted_data['Confirmed_Cases'][:10] lt.bar(x,y,width=0.5,color='brown') lt.xlabel('Country') lt.ylabel('Confirmed_Cases') lt.title('Top 10 Countries by Confirmed Cases') lt.show() Top 10 Countries by Confirmed Cases 25000 -	
T: sep. x: y:	Op 5 Countries by Suspected Cases orted_data2= df_worldwide.sort_values(by='Suspected_Cases', ascending=False) lt.figure(figsize=(10,5)) =sorted_data2['Country'][:5] =sorted_data2['Suspected_Cases'][:5]	
p. p.	<pre>lt.bar(x,y,width=0.8,color='brown') lt.xlabel('Country',fontsize=14) lt.ylabel('Suspected_Cases',fontsize=20) lt.show()</pre> Top 5 Countries by Suspected Cases Top 5 Countries by Suspected Cases	
T: so p. x: y: p.	Op 10 Countries by Hospitalized Cases orted_data3= df_worldwide.sort_values(by='Hospitalized', ascending=False).reset_index() 11.figure(figsize=(20,5)) =sorted_data3['Country'][:10] =sorted_data3['Hospitalized'][:10] 11.bar(x, y, width=0.5, color='brown')	
p. p. p. p.	It. xlabel ('Country', fontsize=14) It. ylabel ('Hospitalized_Cases', fontsize=20) It. show() Top 10 Countries by Hospitalized Cases Top 10 Countries by Hospitalized Cases 17.5 15.0 17.5 15.0 17.5 15.0 17.5 15.0 17.5 15.0 17.5 15.0 17.5	
T]: t	Fravel History Country Country	
	250 200 150 100	
9: C	otal of 274 reported cases of monkey pox had a travel history 1 reported cases did not have any travel history Correlation between Travel History and Confirmed Cases Ins. scatterplot (x='Confirmed_Cases', y='Travel_History_Yes', data=df_worldwide)	
	1t.show()	
]: S	10 -	
D: d':	Cameroon 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2022- 09-21 0 0
]: #/	Republic of Congo 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0
2 3 4 5 r	Central African Republic 0 0 0 2 0 4 0 <td>0 0 0</td>	0 0 0
20 20 20 20 20 20 20 20	f_confirmed.shape f_confirmed.isna().sum() puntry	
##]: 0]: d]: II	f_confirmed.duplicated().sum() No duplicates f_confirmed.columns ndex(['Country', '2022-01-31', '2022-02-17', '2022-02-28', '2022-03-04',	
## 0 1 2 3 4	Nigeria 3 0 1 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	022- 9-22 Total 0 0 0
V]: d']: 0 1 2 3	f_confirmed.to_csv('complete daily countrywise confirmed cases.csv', index=False) Vorldwide Case Detection Timeline f_timeline.head() Date_confirmation	
<(Rá	f_timeline.info() Class 'pandas.core.frame.DataFrame'> angeIndex: 65546 entries, 0 to 65545 ata columns (total 9 columns): # Column Non-Null Count Dtype	
med	types: object(9) emory usage: 4.5+ MB f_timeline.shape 55546, 9) f_timeline.isnull().sum() ate_confirmation	
T	There are over 90% of null values in the dataset The Symptoms Monkey pox infected people are facing f_timeline['Symptoms'].unique()[1:] rray(['rash', 'vesicular rash', 'skin lesions, ulcerative lesions',	
	'fever, muscle pain, rash', 'Fever, skin rashes', 'Fever, chills, fatigue, headache, skin lesions', 'cough, chills, muscle pain, pustule-like lesions', 'skin lesions, fever', 'fever; myalgia', 'headache, muscle pain, back pain, vasicular rashes', 'skin lesions, headaches, enlarged lymph nodes, fever', 'rash on the skin', 'papules, itching', 'Spots on skin, vesicuated lesions, skin scabs',	