	Country/Region Confirmed Deaths Recovered Active New Cases Active Ne
[3]: t[3]:	# Printing the first 5 rows from data set covid_dataset.head() Country/Region Confirmed Deaths Recovered Active New cases deaths recovered Cases Recovered / 100 Cases Recovered Cases Secure Cases
[4]: t[4]:	4 Angola 950 41 242 667 18 1 0 4.32 25.47 16.94 749 201 26.84 Africa # checking the shape of data covid_dataset.shape
[5]: t[5]:	### CONSTRUCTING & Mealmap correlation=covid_dataset.corr() ptt.flguer(16)st2=e1(0.16) sns.heatmap(correlation,cbar=True,annot=True,cmap='coolwarm') **CAXesSubplot:>** Confirmed -1
[6]:	preprocessing # Features selection X=covid_dataset.iloc[:,1:5].values y=covid_dataset.iloc[:,3].values
	18246 23242 91 36110 125683 94 60492 17452 26 1036 86 21478 4930 63 1846641 138 5585 926 292 301 1550 147 14539 0 156 810 319954 78869 131161 328 829 5700 3824 10361 3936 2351 852 11428 12605 4977 18 30204 34896 34838 7778 842 191 1923 1025 6386 18 6920 81212 4682 66 922 199314 29801 1374 13 23 32455 6257 803 181 4365 12 5039 3329 1823 951166 58173 255144 77144 23364 27133 198593 714 21970 1041 54404 7833 4027 55057 21205 19 1045 1709 128 646 577 81
[9]:	1543 274925 13007 1175 150376 2121 5939 925 0 30900 0 440 6028 183 3111 0 607 128 1157 210469 1325804 986 37202 52510 1437 951 11674 9959 365 3752 8 833 2815 542] # Splitting the data into training data and testing data from sklearn.model_selection import train_test_split X_train, X_test, y_train, y_test=train_test_split(X, y, test_size=10) using Random forest Regressor
[10]: [11]: [11]:	<pre># Loading Algorithm module from sklearn.ensemble import RandomForestRegressor Reg=RandomForestRegressor(n_estimators=5)</pre>
[12]: [13]:	# Prediction on Test data y_pre=Reg.predict(X_test) Accuracy score for Random forest Regressor from sklearn.metrics import r2_score acc_score=r2_score(y_test,y_pre) print (acc_score)
[14]:	0.9997451779207741 Using KNN Regressor # Loading Algorithm module from sklearn.neighbors import KNeighborsRegressor Reg=KNeighborsRegressor(n_neighbors=5)
[15]: [15]: [16]:	<pre># Fitting training data Reg.fit(X_train, y_train) KNeighborsRegressor() #Prediction on test data y_pre=Reg.predict(X_test)</pre>
[17]:	Accuracy score for KNN Regressor from sklearn.metrics import r2_score acc_score=r2_score(y_test,y_pre) print (acc_score) 0.994659048268545
[18]: [19]:	<pre># Loading Algoritm module from sklearn.linear_model import LinearRegression reg=LinearRegression()</pre> Fit reg.fit(X_train,y_train)
[19]: [20]:	LinearRegression() #Prediction on test data y_pre=reg.predict(X_test) Accuracy score for Linear Regressor
[21]:	<pre>from sklearn.metrics import r2_score acc_score=r2_score(y_test,y_pre) print(acc_score) 1.0 CONCLUSION:</pre>
	Random Forest Regressor = 99% K Neighbors Regressor = 99% Linear Regression = 100%
[]:	