Data\_Scientist\_Product.csv

Country Longitude Latitude LocationId

0 AD 1.53 42.51 1

1 AE 55.47 25.42 2

2 AE 55.47 25.39 3

3 AE 54.38 24.48 4

4 AE 54.54 24.51 5

Index length 25600

Dropping Row 8028 due to NaN in Longitude column

Dropping Row 8028 due to NaN in Latitude column

Updated Dataset

Country Longitude Latitude LocationId

0 AD 1.53 42.51 1

1 AE 55.47 25.42 2

2 AE 55.47 25.39 3

3 AE 54.38 24.48 4

4 AE 54.54 24.51 5

Read in Processed Dataset

Country Longitude Latitude LocationId

0 AD 1.53 42.51 1

1 AE 55.47 25.42 2

2 AE 55.47 25.39 3

3 AE 54.38 24.48 4

4 AE 54.54 24.51 5

Updated Index length 25599

Dataset for Isolated Location Processing

Country Longitude Latitude LocationId Distance\_Sum

0 AD 1.53 42.51 1 0.0

1 AE 55.47 25.42 2 0.0

2 AE 55.47 25.39 3 0.0

3 AE 54.38 24.48 4 0.0

4 AE 54.54 24.51 5 0.0

Index length 25599

C:/Users/trevo/OneDrive/Documents/Python/Isolated\_Location\_Algorithm\_Test\_3.7.py:162: FutureWarning: set\_value is deprecated and will be removed in a future release. Please use .at[] or .iat[] accessors instead

compute\_location\_distance\_sum(location\_id\_dataset,index1))

Finished calculations in 353736.4292 seconds.

Sorted Isolated Location Based on Distance Sums

Country Longitude Latitude LocationId Distance\_Sum

25596 ZA 28.04 -26.15 25598 52726.000331

25598 ZA 28.11 -26.02 25600 52704.879944

25597 ZA 28.28 -25.79 25599 52672.902896

290 AU 144.95 -37.82 291 51694.320999

289 AU 144.97 -37.82 290 51691.649188

The most isolated LocationId is 25598

LocationId 25598 is the most isolated location in Country ZA

LocationId 291 is the most isolated location in Country AU

LocationId 10033 is the most isolated location in Country NZ

LocationId 6507 is the most isolated location in Country ID

LocationId 147 is the most isolated location in Country AR

LocationId 1996 is the most isolated location in Country CL

LocationId 10931 is the most isolated location in Country SG

LocationId 9726 is the most isolated location in Country MY

LocationId 399 is the most isolated location in Country BR

LocationId 11237 is the most isolated location in Country TH

LocationId 6666 is the most isolated location in Country IN

LocationId 346 is the most isolated location in Country BN

LocationId 352 is the most isolated location in Country BO

LocationId 25597 is the most isolated location in Country VN

LocationId 7978 is the most isolated location in Country KH

LocationId 10239 is the most isolated location in Country PH

LocationId 10060 is the most isolated location in Country PE

LocationId 10050 is the most isolated location in Country OM

LocationId 10769 is the most isolated location in Country SA

LocationId 39 is the most isolated location in Country AE

LocationId 10536 is the most isolated location in Country QA

LocationId 342 is the most isolated location in Country BH

LocationId 9056 is the most isolated location in Country KW

LocationId 4409 is the most isolated location in Country CN

LocationId 5098 is the most isolated location in Country EG

LocationId 6725 is the most isolated location in Country JO

LocationId 11661 is the most isolated location in Country TW

LocationId 9116 is the most isolated location in Country LB

LocationId 4857 is the most isolated location in Country CY

LocationId 11354 is the most isolated location in Country TR

LocationId 6269 is the most isolated location in Country GR

LocationId 300 is the most isolated location in Country AZ

LocationId 7964 is the most isolated location in Country JP

LocationId 9081 is the most isolated location in Country KZ

LocationId 10582 is the most isolated location in Country RU

LocationId 5123 is the most isolated location in Country ES

LocationId 320 is the most isolated location in Country BG

LocationId 9120 is the most isolated location in Country MA

LocationId 10572 is the most isolated location in Country RO

LocationId 4834 is the most isolated location in Country CO

LocationId 8970 is the most isolated location in Country KR

LocationId 11570 is the most isolated location in Country TT

LocationId 9128 is the most isolated location in Country MC

LocationId 5319 is the most isolated location in Country FR

LocationId 6285 is the most isolated location in Country HU

LocationId 1 is the most isolated location in Country AD

LocationId 10525 is the most isolated location in Country PT

LocationId 10941 is the most isolated location in Country SK

LocationId 258 is the most isolated location in Country AT

LocationId 10457 is the most isolated location in Country PL

LocationId 4862 is the most isolated location in Country CZ

LocationId 1956 is the most isolated location in Country CH

LocationId 4940 is the most isolated location in Country DE

LocationId 4850 is the most isolated location in Country CW

LocationId 10057 is the most isolated location in Country PA

LocationId 296 is the most isolated location in Country AW

LocationId 9117 is the most isolated location in Country LU

LocationId 4837 is the most isolated location in Country CR

LocationId 318 is the most isolated location in Country BE

LocationId 9949 is the most isolated location in Country NL

LocationId 5065 is the most isolated location in Country DK

LocationId 5532 is the most isolated location in Country GB

LocationId 5206 is the most isolated location in Country FI

LocationId 10509 is the most isolated location in Country PR

LocationId 10792 is the most isolated location in Country SE

LocationId 6629 is the most isolated location in Country IE

LocationId 10008 is the most isolated location in Country NO

LocationId 10944 is the most isolated location in Country SV

LocationId 6274 is the most isolated location in Country GT

LocationId 9174 is the most isolated location in Country MX

LocationId 466 is the most isolated location in Country BS

LocationId 1241 is the most isolated location in Country CA

LocationId 16436 is the most isolated location in Country US







