RESOURCES

Land Surface Temperature (Data and Code):

[Landsat Surface Temperature — Digital Earth Africa 2021 documentation](https://docs.digitalearthafrica.org/en/latest/sandbox/notebooks/Datasets/Landsat_Surface_Temperature.html)

[Land Surface Temperature [Day] (1 month - Terra/MODIS) | NASA](https://neo.gsfc.nasa.gov/view.php?datasetId=MOD_LSTD_M)

Paper:

[Current and Potential Future Seasonal Trends of Indoor Dwelling Temperature and Likely Health Risks in Rural Southern Africa - PMC (nih.gov)](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5981991/)

Omdena (Identifying School Locations in Sudan from Satellite Imagery):

[Identifying School Locations in Sudan from Satellite Imagery | Projects | Omdena](https://www.omdena.com/projects/omdenalorexgiga)

Google Search:

[List of cities in Tanzania - Wikipedia](https://en.wikipedia.org/wiki/List_of_cities_in_Tanzania)

[u value of construction materials - Search (bing.com)](https://www.bing.com/search?pglt=41&q=u+value+of+construction+materials&cvid=9848809e36ca4acb82b84746687f28a7&gs_lcrp=EgZjaHJvbWUqBggBEAAYQDIGCAAQRRg5MgYIARAAGEAyBggCEAAYQDIGCAMQABhAMgYIBBAAGEAyBggFEAAYQDIGCAYQABhAMgYIBxAAGEAyBggIEAAYQNIBCTEyMTc2ajBqMagCALACAA&FORM=ANNTA1&PC=ACTS)

[how to u value to find temperature change - Search (bing.com)](https://www.bing.com/search?q=how+to+u+value+to+find+temperature+change&qs=NW_XFC&pq=how+to+u+value+to+find+tempera&sk=NW_XFC2&sc=10-30&cvid=44FC81824AE84EB893814B837715AEBD&FORM=QBRE&sp=3&ghc=1&lq=0)

[land temperature using folium sand - Search (bing.com)](https://www.bing.com/search?q=land+temperature+using+folium+sand&qs=NW&pq=land+temperature+using+folium&sk=NW2&sc=10-29&cvid=9DB7BAFBD96343539B547689762E7E6F&FORM=QBRE&sp=3&ghc=1&lq=0)

[temperature change with insultation fomula - Search (bing.com)](https://www.bing.com/search?pglt=41&q=temperature+change+with+insultation+fomula&cvid=3062f3bfb1b34ee0a59f168844269b47&gs_lcrp=EgZjaHJvbWUyBggAEEUYOdIBCTM4MjQzajBqMagCALACAA&FORM=ANNTA1&PC=ACTS)

[how to presence of human changes temperature in a room - Search (bing.com)](https://www.bing.com/search?q=how+to+presence+of+human+changes+temperature+in+a+room&qs=n&form=QBRE&sp=-1&ghc=1&lq=0&pq=how+to+presence+of+human+changes+temperature+in+a+room&sc=2-54&sk=&cvid=6ABD5BB0DDFB4F03A90D52BD189DEE20&ghsh=0&ghacc=0&ghpl=)

Visualize Geospatial Data:

[Visualizing Geospatial Data using Folium in Python - GeeksforGeeks](https://www.geeksforgeeks.org/visualizing-geospatial-data-using-folium-in-python/)

Earth Data Analytics: [Convert lat/lon coordinates to Landsat 8 path/row in Python | Earth Data Science - Earth Lab](https://www.earthdatascience.org/tutorials/convert-landsat-path-row-to-lat-lon/)

[Estimating Land Surface Temperature Landsat 8 | ArcGIS Tutorial | (youtube.com)](https://www.youtube.com/watch?v=5AaF0-yakb8)

Youtube Channel: [(547) MyPhysical World - YouTube](https://www.youtube.com/@myphysicalworld3958/search)

NDVI Calculation:

[(547) YouTube](https://www.youtube.com/watch?v=dw2aNRvC5Ts)

Temporal Data Analysis:

[LST Temporal Analysis Using Google Earth Engine | Learn How to Analyze Land Surface Temperature #gee (youtube.com)](https://www.youtube.com/watch?v=P5fgt_lr-HY)

How to Calculate Land Surface Temperature:

[How to calculate land surface temperature from Landsat 8 Satellite Data (youtube.com)](https://www.youtube.com/watch?v=EzavTBq-1wM)

Estimate Land Surface Temperature:

[I built a machine learning model using AI in 10 minutes (youtube.com)](https://www.youtube.com/watch?v=m83_dcTMY6c)

[Estimating Land Surface Temperature Landsat 8 | ArcGIS Tutorial | (youtube.com)](https://www.youtube.com/watch?v=5AaF0-yakb8)

[How to Make Land Surface Temperature (LST) Map and Time Series Chart using Google Earth Engine (youtube.com)](https://www.youtube.com/watch?v=4rCK3zPGL78)

[(547) land temperature python - YouTube](https://www.youtube.com/results?search_query=land+temperature+python)

Climate Change Data:

[The ESA Climate Change Initiative Open Data portal](https://climate.esa.int/en/data/#/search)

[How to easily download multiple years of climate data from the Copernicus data store using python? (youtube.com)](https://www.youtube.com/watch?v=EIe7IBMqhsw)

[Open Access Hub (copernicus.eu)](https://scihub.copernicus.eu/)

[Global climate and weather data — WorldClim 1 documentation](https://worldclim.org/data/index.html)

[CMIP Data Access - Coupled Model Intercomparison Project (wcrp-cmip.org)](https://wcrp-cmip.org/cmip-data-access/)

Statistical Analysis of Temperature Data:

[Statistical Analysis of Temperature Data | Time Series Analysis in Python | Weather Derivatives (youtube.com)](https://www.youtube.com/watch?v=4zV-ZyQHl7s)