**Earth & Environmental Data Science Project 1**

**Variables**

|  |  |  |  |
| --- | --- | --- | --- |
| **INDICATOR** | **VARIABLE** | **MEASUREMENT** | **DESCRIPTION** |
| time | Date | Datetime | Daily readings at 00:00? |
| TREFMAXV\_U | Temperature | K | Urban daily maximum of average 2-m temperature |
| FLNS | Longwave flux | W/m^2 | Net longwave flux at surface |
| FSNS | Solar flux | W/m^2 | Net solar flux at surface |
| PRECT | Precipitation Rate | m/s | Total (convective & large-scale) precipitation rate (liq+ice) |
| PRSN | Snowfall flux | Kgm^-2s^-1 | ? Could it be m/s for snowfall rate? |
| QBOT | Humidity | Kg/kg | Atmospheric specific humidity |
| TREFHT | Temperature | K | Reference height temperature |
| UBOT | Zonal wind | m/s | Lowest model level zonal wind (E->W) |
| VBOT | Meridional wind | m/s | Lowest model meridional wind (N->S) |
| Lat | Latitude coordinates | n/a | n/a |
| lon | Longitude oordinates | n/a | n/a |

**EDA**

A screenshot of a computer screen

AI-generated content may be incorrect.

A graph of a distribution of flns

AI-generated content may be incorrect.

A graph with blue squares

AI-generated content may be incorrect.

A blue graph with black text

AI-generated content may be incorrect.

A graph of a distribution of fns

AI-generated content may be incorrect.

A graph with blue squares and black text

AI-generated content may be incorrect.

A blue line graph with black text

AI-generated content may be incorrect.

A graph with a dotted point

AI-generated content may be incorrect.

A graph with a blue line

AI-generated content may be incorrect.

A graph with red dots

AI-generated content may be incorrect.

A graph with blue and black bars

AI-generated content may be incorrect.

A graph with blue lines

AI-generated content may be incorrect.

A graph with numbers and lines

AI-generated content may be incorrect.

A graph with lines and numbers

AI-generated content may be incorrect.

A graph with blue lines

AI-generated content may be incorrect.

A graph of a distribution of data

AI-generated content may be incorrect.

A graph with blue squares and black text

AI-generated content may be incorrect.

A blue line graph with black text

AI-generated content may be incorrect.

A graph of a distribution of treft

AI-generated content may be incorrect.

A graph with blue rectangles and black text

AI-generated content may be incorrect.

A blue line on a white background

AI-generated content may be incorrect.

A graph of a distribution of data

AI-generated content may be incorrect.

A graph showing a number of data

AI-generated content may be incorrect.

A graph with blue squares and black lines

AI-generated content may be incorrect.

A blue line graph with black text

AI-generated content may be incorrect.

A graph of a distribution of ubot

AI-generated content may be incorrect.

A graph with blue squares and lines

AI-generated content may be incorrect.

A blue line graph with black text

AI-generated content may be incorrect.

A graph of a distribution of vbot

AI-generated content may be incorrect.

A graph with blue squares and black text

AI-generated content may be incorrect.

A blue line graph with black text

AI-generated content may be incorrect.

A diagram of a wind component

AI-generated content may be incorrect.