WMO Normals Code Instructions

Files needed:

* src folder
  + contains the Python code
  + contains the input folder
  + contains the output folder
* Input:
  + 1991-2020\_WMO\_Normals\_Data.csv
  + NormalID\_to\_WMOParameterID.csv
  + StationList.csv
  + MUST adhere to these naming conventions

To do:

test stations that have some null data - make sure it formats

it works just leaves that section blank

make sure that order of the columns dont matter for the data and the station list

check calculation name

test it with the previous data set - bad data

fixed these errors

write documentation of what the code needs (need to be in specific name and place)

creating a interface - exe file – Nagarjun

maybe add by station name

progress bar and show completed

show where to look for that file

saves in same directory where the executable is (indicate where want to save)

python virtural environment

py freeze -> shows the

import pandas as pd

ALERT

[175, 176, 177, 178, 182, 183, 184, 84, 85]

ARVIAT A

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

ATIKOKAN MARMION

[175, 176, 177, 178, 182, 183, 184, 94, 84, 85]

BANCROFT AUTO

[56, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

BANFF

[115, 182, 183, 184, 84, 85]

BIG TROUT LAKE

[56, 175, 176, 177, 178, 84, 85]

BUFFALO NARROWS A

[124, 114, 115, 182, 183, 184, 84, 85]

BURGEO

[56, 114, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

BURNS LAKE DECKER LAKE

[115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

CAPE DORSET A

[175, 176, 177, 178, 84, 85]

CHARLO A

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

CHURCHILL A

[175, 176, 177, 178, 84, 85]

CORAL HARBOUR A

[56]

CORONATION A

[115, 175, 176, 177, 178, 182, 183, 184, 94, 84, 85]

DANIELS HARBOUR

[56, 124, 114, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

DAUPHIN A

[175, 176, 177, 178, 84, 85]

DAWSON A

[124, 115, 182, 183, 184, 84, 85]

DEASE LAKE

[56, 171, 114, 115, 185, 186, 187, 188, 189, 190, 70, 71, 172, 173, 174, 175, 176, 177, 178, 182, 183, 184, 60, 84, 85]

DEBERT

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

DELHI CDA

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

EDMUNDSTON

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

EGBERT CARE

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

ESTEVAN POINT

[114, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

FORET MONTMORENCY

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

FORT MCMURRAY A

[84, 85]

GJOA HAVEN A

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

GODERICH

[56, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

GORE BAY A

[56, 175, 176, 177, 178, 84, 85]

HALL BEACH A

[84, 85]

HARROW CDA

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

HIGH LEVEL A

[175, 176, 177, 178, 85]

HOLLAND ROCK

[56, 171, 114, 115, 185, 186, 187, 188, 189, 190, 70, 71, 172, 173, 174, 175, 176, 177, 178, 182, 183, 184, 60, 84, 85]

HUDSON BAY A

[175, 176, 177, 178, 182, 183, 184, 84, 85]

ILES DE LA MADELEINE A

[115, 182, 183, 184]

INUKJUAK A

[56, 175, 176, 177, 178, 182, 183, 184, 84, 85]

INUVIK A

[84, 85]

IQALUIT A

[175, 176, 177, 178, 84, 85]

ISLAND FALLS

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

KUGAARUK A

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

LA GRANDE IV A

[56, 124, 175, 176, 177, 178, 84, 85]

LA POCATIERE CDA

[124, 115, 182, 183, 184, 84, 85]

LYNN LAKE A

[84, 85]

MANIWAKI AIRPORT

[56, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

MEDICINE HAT A

[84, 85]

MIRAMICHI A

[114, 115, 182, 183, 184, 94, 84, 85]

MOOSONEE A

[56, 175, 176, 177, 178, 182, 183, 184, 84, 85]

MOULD BAY A

[56, 171, 185, 186, 187, 188, 189, 190, 70, 71, 172, 173, 174, 175, 176, 177, 178, 182, 183, 184, 84, 85]

NAIN A

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94]

NAPPAN CDA

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

NATASHQUAN A

[175, 176, 177, 178, 182, 183, 184, 84, 85]

NORTH BATTLEFORD A

[84, 85]

OLD CROW A

[115, 182, 183, 184, 84, 85]

OTTAWA CDA

[124, 114, 115, 179, 180, 181, 94]

PARENT S

[115, 182, 183, 184, 84, 85]

PARRSBORO

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

PAULATUK A

[115, 182, 183, 184, 84, 85]

PEAWANUCK (AUT)

[56, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

POND INLET A

[175, 176, 177, 178, 84, 85]

PORT AUX BASQUES

[56, 124, 114, 115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

PORT HARDY A

[175, 176, 177, 178]

QIKIQTARJUAQ A

[56, 171, 124, 114, 115, 185, 186, 187, 188, 189, 190, 70, 71, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

QUESNEL A

[182, 183, 184, 84, 85]

RIDGETOWN AUTOMATIC CLIMATE STATION

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

SABLE ISLAND

[56, 175, 176, 177, 178, 84, 85]

SACHS HARBOUR A

[115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

SANDSPIT A

[1, 3, 4, 5, 8, 56, 175, 176, 177, 178, 84, 85]

SCHEFFERVILLE A

[56, 175, 176, 177, 178, 84, 85]

SEPT-ILES A

[84, 85]

SLAVE LAKE A

[175, 176, 177, 178, 84, 85]

SQUAMISH AIRPORT

[115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

SWIFT CURRENT A

[175, 176, 177, 178, 84, 85]

TATLAYOKO LAKE

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

TORONTO

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

ULUKHAKTOK A

[124, 114, 115, 179, 180, 181, 182, 183, 184, 94, 84, 85]

VICTORIA UNIVERSITY CS

[115, 175, 176, 177, 178, 182, 183, 184, 84, 85]

WARFIELD

[124, 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 94, 84, 85]

WATSON LAKE A

[56, 171, 185, 186, 187, 188, 189, 190, 70, 71, 172, 173, 174, 84, 85]

YARMOUTH A

[175, 176, 177, 178]