

PROBLEM ONE:

Find the Pinot Noir Grape Harvest Dates in Burgandy France and Spring-Summer Temperature Reconstruction for Dijon France for the years 1370 to 2003.

Plot Grape Harvest and Spring-Summer deviation from Normal vs year. Put a moving average thru each data set.

Plot Grape Harvest vs Spring Summer Temperature Deviation from Normal.

What does the year 2003 look like? Lets talk about what this data point might mean.

<ftp://ftp.ncdc.noaa.gov/pub/data/paleo/historical/france/burgundy2004.txt>

Find CO2 concentration in the gas of the Vostok Antartica Ice Corp for the last 160,000 years. Graph the CO2 vs year into the past. Put the years in reverse order. Are CO2 levels higher than they have been during that time period?

Is the rate of change faster than at any time?

Find ice Corp data from Antartica for the last 1000 years. Add this to the plot.

Plot it also with log X axis. Answer the two questions above.

Find The CO2 level in the atmosphere in the year 2000. Is it on the projected path of the log graph? What is your prediction of CO2 level in the year 2050.

<ftp://ftp.ncdc.noaa.gov/pub/data/paleo/icecore/antarctica/vostok/co2.txt>
ftp://ftp.ncdc.noaa.gov/pub/data/paleo/icecore/antarctica/law/law_co2.txt