

About the data:

You have a 3-dimensional vector representing dry temperature of one specific elevation in year 2005.

The dimensions are: [time][latitude][longitude] each having [12][72][144]

- 12 times because it belongs to 12 months of year 2005.
- 72 latitudes (we have 90 degrees north 90 degrees south = 180) the resolution is every 2.5 degrees which makes it 72 data points.
- 144 longitudes because we have 360 degrees around the earth with 2.5 degree resolution.

1. find or create a stimulus or timbre (from freesound, soundcloud, your own recordings, or even synthesize sound) that best represents the parameter *temperature* for you. Be ready to justify your decision in the class. (maybe back it up with some literature)
2. find out how you can/wish to parameterize your stimulus. At least think of one sound parameter that can be significantly dynamic in your chosen sound.
3. Sonify the temperature data from the file using parameter mapping.
4. Use MouseX and MouseY in SuperCollider to navigate through the data set geographically on your computer screen.
5. Calibrate and scale the magnitude of changes in your sound in order to make the changes in temperature hearable.