Data for this challenge comes in **HDF** file format. This format was created by the HDF group (website here <https://www.hdfgroup.org/solutions/hdf5/>) and heavily leveraged in multiple industries (aerospace, automotive, government, etc)

* To view this data, you can use the HDF group’s HDF viewer application (available here <https://www.hdfgroup.org/downloads/hdfview/>)
* There are many open source libraries to access HDF data.. examples
  + Python - <https://www.h5py.org/>
  + Java - <https://wiki-bsse.ethz.ch/display/JHDF5/JHDF5+%28HDF5+for+Java%29>
  + C++ - <https://support.hdfgroup.org/HDF5/doc/cpplus_RM/index.html>
  + Rust - <https://github.com/aldanor/hdf5-rust>
  + Etc

Data recorded from the machines is documented in channels (shown in the layer below)

For each of the data files, the sampling rate recorded from the file is documented in the metadata

* NUMBER OF PARAMETERS
* NUMBER OF SCANS
* SAMPLE\_RATE