

IEEE P1752 Minimum Metadata subgroup

Minutes of conference call held on August 27, 2019 at 9 am Pacific Daylight Time

Conference call started at 9:00 am Pacific Daylight Time on zoom

Slide deck presented by Chair Dr. Ida Sim (available on WG website)

Slide deck uploaded to

<https://site.ieee.org/sagroups-1752/files/2019/08/2019-08-27-Metadata-1752-slides.pdf>

Attendance:

First Name	Last Name	Affiliation
Simona	Carini	UCSF / OmH
Shivayogi	Hiremath	Temple University
Anandathirtha	Nandugudi	University of Memphis
Henry	Ogoe	DoD/VA Interagency Program Office
Paul	Petronelli	PALM Associates, Inc.
Ida	Sim	UCSF / OmH
Anna	Tee	Consultant
Keith	Boone	Audacious Inquiry
Pradeep	Balachandran	Consultant, e-health domain

Agenda:

- Review of action items from previous call and of subgroup members' contribution via email
 - Define datapoint and datapoint series (was: data stream)
 - Anna T: Work on a simple example, for e.g. Physical activity
 - Anand: Work on a complex example, Stress calculation from PPG Sensor
- Datapoint definition
 - Discussion on the definition
 - Datapoints are not about populations, but about individual units of observation
 - Unit of Observation can be a person, or a run? a meal?
 - Discrete = , observation/measurement =
 - Doesn't restrict to a single number
 - what is the overhead
 - Observation vs measurement
 - Datapoint containing other datapoints.

- Datapoint series
 - Synchronous vs Asynchronous
 - Periodic vs non -periodic
 - Discussion postponed to a later time
- Modelling example
 - How to represent missing data
- Minimum metadata – Simple example
 - Postponed to next call
- Minimum metadata – Complex example
 - contextual vs metadata (for example: weight for physical activity)
 - Question: does datapointID apply to datapoint series as well?
how is that generated?
 - stress calculated every minute during Physical activity, stress data discarded

Comments in the chat:

- Discrete in time is probably what is meant here and not discrete in value
- Should we say Metadata must be identical for a particular 'Data Structure' rather than for a Datapoint
- Can a discrete observation have many attributes?
- We may need a more generic abstract container to accommodate both datapoint and a data point stream
- 'Sequence number to sample value' correspondence may vary e.g. when samples are interpolated Would it be useful at some point to describe what we mean by "missing data" in this context?

Action items:

- Add definitions (e.g. creation date time)
- Datapoint example Blood pressure measurements from different devices
- Simona: update open mHealth definitions
 - [datapoint] creation_date_time:
 - The date time this data point was created on the system where data is stored.
 - source_creation_date_time:
 - The date time (timestamp) of data creation at the source.

Conference call adjourned

Next call: Tuesday September 17 at 9:30 am Pacific Time

Minutes taken by Subgroup Secretary Anand Nandugudi, University of Memphis