**OBCS meeting on 6/9/2017:**

Attendees: Adrien Barton, Jie Zheng, and Yongqun “Oliver” He

[4:03:50 PM] \*\*\* Group call \*\*\*

[4:08:39 PM] Yongqun "Oliver" He: What to do:

[4:09:00 PM] Yongqun "Oliver" He: add more axioms to OBCS (like STATO)

[4:09:44 PM] Yongqun "Oliver" He: - add any new terms to OBCS from Adrien's side.

[4:09:48 PM] Yongqun "Oliver" He: - more use case

[4:14:16 PM] Yongqun "Oliver" He: ethierjf

[4:15:36 PM] Adrien Barton: adrien-barton

[4:15:42 PM] Adrien Barton: adrien.barton@gmail.com

OBCS-related research interests and questions in mind:

Adrien:

* Feeling confident (strengths): high level entities; like: what’s function? Probability distribution.
* Need collaboration: Specific knowledge or statistics-related notions or methods

Jie suggestions to work on (or: What OBCS is missing):

* OBCS data restriction,
* operation, …
* like we use female and male: we only say …
* For statistics, we only say value. What’s the difference between value, value unit, and value specification?
* Data for …
* OBI Value Specification Modelling: <https://docs.google.com/document/d/10Mt3zb73iGhM6j1pGbP7rGE4CPSKiQBGG_TM9hJcczU/edit>
* NTR: RNA integrity number: <https://github.com/obi-ontology/obi/issues/824>

Adrien Discussion:

* Information entity, 1, 2, … if we add meaning for them: if 1 for male, 2 for the class of women, then the story is different
* Data

Oliver: Let’s probably focus on “statistical distribution”.

Question: Can we identify some OBCS use case that each of us can contribute to?

e.g.:

- Possible topic:

The relation between statistical distribution, 🡪 distribution of value specification, or data item?

- In probability theory and statistics, a probability distribution is a mathematical function that, stated in simple terms, can be thought of as providing the probability of occurrence of different possible outcomes in an experiment. <https://en.wikipedia.org/wiki/Probability_distribution>

Rough Plan

* Focus on: **probability distribution**:
* Study it from different angles:
  + High level philosophical: Adrien –
    - Jie can introduce, to get connected with OBI value specification and related discussions.
  + Collection of sets of “*distribution – function – methods – software”* –> ask statistics major undergraduate (Mr. Qingzhi Liu) to work on it.
  + See OBCS reference: <https://jbiomedsem.biomedcentral.com/articles/10.1186/s13326-016-0100-2>
  + Use case studies to enlighten discussions.