Readme file

These datasets are the result of various evaluation activities that I conducted as part of my PhD research. As can be read in chapter 7 of my dissertation, I evaluated a designed open data infrastructure (using a control and experimental condition) during several quasi-experiments. I used three different types of measurement:

- Surveys (one before, one during and one after the quasi-experiment – surveys 1, 2 and 3)
- Observations by my colleagues. They observed the participants of the quasi-experiments and completed a structured survey about the behavior of the participants.
- Time measurements. I measured how long it took to complete several open data use tasks.

Three similar quasi-experiments were conducted:

Characteristics	Quasi-experiment 1	Quasi-experiment 2	Quasi-experiment 3
Date	March 3, 2014	March 5, 2014	April 23, 2014
Type of participants	3rd year Bachelors students	1st year Masters students	Professionals (researchers, policy-makers, citizens, entrepreneurs and others)
Duration	100 minutes	100 minutes	95 minutes
Location	Delft University of Technology	Delft University of Technology	Delft University of Technology
Involved groups	Treatment and control group	Treatment and control group	Treatment group only
Motivation for participation	Mandatory part of a course (Policy, Economy and Law) that they had to follow.	Mandatory part of a course (Business Process Management and Technology) that they had to follow.	Part of a 4-hour workshop for which the participants had registered. The participants volunteered to participate in the workshop.

Table 7-1: Characteristics of the three quasi-experiments [1]

Dataset about survey 1 and 2

- Participant_code: The first variable in the dataset refers to participant code. DANS and ENGAGE are the two types of open data infrastructures that were evaluated. DANS was the control condition and ENGAGE was the evaluated condition. BER ("Beleid, Economie en Recht" – a course as part of which this quasi-experiment took place) refers to the first quasi-experiment, MoT ("Management of Technology" – a study as part of which this quasi-experiment took place) to the second quasi-experiment and WS (Workshop) to the third quasi-experiment.
- This variable is followed by:
    - Variables 2 to 52 (that means 'SA_Q1_Gender' until and including 'ATT3_t1') corresponding to Appendix C (pre-test survey) of my dissertation.
    - Variables 53 to 123 (that means 'SB_Q1a_session_was_well_organized' up to and including 'SAT3_t2') correspond to Appendix G (post-test survey) in my dissertation.

Dataset about observations

- Control_treatmentstudent_treatmentWS. The first variable in the dataset refers to observed groups in the quasi-experiments. DANS and ENGAGE are the two types of open data infrastructures that were evaluated.
    - 1 = Control group DANS (in both the first and second quasi-experiment)
    - 2 = Student treatment group ENGAGE (in both the first and second quasi-experiment)

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[1] See https://repository.tudelft.nl/islandora/object/uuid%3A9b9e60bc-1edd-449a-84c6-7485d9bde012

- o   3 = Professionals treatment group ENGAGE (in the third quasi-experiment)
- This variable is followed by 38 variables that correspond to "Appendix F: Semi-structured observer survey" in my dissertation.

Dataset about time measurements and about survey 2
- Date. This is the date of the quasi-experiment.
- Participant_code: The second variable in the dataset refers to participant code. DANS and ENGAGE are the two types of open data infrastructures that were evaluated. DANS was the control condition and ENGAGE was the evaluated condition. BER ("Beleid, Economie en Recht" – a course as part of which this quasi-experiment took place) refers to the first quasi-experiment, MoT ("Management of Technology" – a study as part of which this quasi-experiment took place) to the second quasi-experiment and WS (Workshop) to the third quasi-experiment.
- This variable is followed by:
  - o   Browser (variable 3). The browser that the participants used during the quasi-experiment (only available for the third quasi-experiment).
  - o   Variables 4, 5 , 6 and 7 – derived from several other variables concerning the conditions of the quasi-experiments.
  - o   Variable 8 up to and including variable 86 (that means 't1_time' up to and including 'comments'), corresponding to Appendix D (survey during the quasi-experiment) of my dissertation.
  - o   Variable 87 up to and including variable 93. This concerns variables concerning the time durations of the scenario tasks that the quasi-experiment participants conducted. For example, the time at t2 minus the time at t1 results in the total time used to complete scenario 1.

Dissertation
My dissertation can be found at the TU Delft repository (https://repository.tudelft.nl/islandora/object/uuid%3A9b9e60bc-1edd-449a-84c6-7485d9bde012). The appropriate reference is as follows:

A. Zuiderwijk, *Open data infrastructures: The design of an infrastructure to enhance the coordination of open data use*. 's-Hertogenbosch: Uitgeverij BOXPress, 2015.