# Appendix B: Additional research data - Descriptive statistics

| Variables (related questions in Appendix A) | Questionnaire questions and statements | Descriptive statistics | | |
| --- | --- | --- | --- | --- |
|  | **Researcher’s experience with openly sharing research data in the past** | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V1 (Q8) | What is your level of expertise regarding openly sharing research data? | 1-10 | 5,65 | 2,677 |
| V2 (Q10) | How often, on average, did you openly share (non-sensitive) research data in the past? | 1-5 | 2,08 | 0,926 |
| V3 (Q11) | Which proportion of the (non-sensitive) data you collected in the past did you, on average, share openly? | 1-5 | 2,05 | 1,248 |
| V4 (Q19) | In the past six months, I have openly shared research data (scale ranging from false to true) | 1-7 | 3,89 | 2,397 |
|  | **Researcher’s assessment of their open data sharing behavior** | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V5 (Q12) | Me openly sharing research data in my current position would be: (scale ranging from bad to good) | 1-7 | 5,79 | 1,411 |
| V6 (Q12) | Me openly sharing research data in my current position would be: (scale ranging from unpleasant to pleasant) | 1-7 | 5,33 | 1,516 |
| V7 (Q12) | Me openly sharing research data in my current position would be: (scale ranging from foolish to wise) | 1-7 | 5,36 | 1,474 |
| V8 (Q12) | Me openly sharing research data in my current position would be: (scale ranging from harmful to beneficial) | 1-7 | 5,47 | 1,549 |
| V9 (Q12) | Me openly sharing research data in my current position would be: (scale ranging from punishing to rewarding) | 1-7 | 5,39 | 1,414 |
| V10 (Q12) | I am confident that I can openly share research data in my current position as a researcher (scale ranging from false to true) | 1-7 | 5,52 | 1,688 |
| V11 (Q18) | It is up to me if I openly share research data (scale ranging from disagree to agree) | 1-7 | 4,72 | 2,122 |
|  | **Researcher’s assessment of other people’s opinion about openly sharing research data** | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V12 (Q13) | Most people who are important to me would approve it if I (would) openly share research data in my current position (scale ranging from disagree to agree) | 1-7 | 5,37 | 1,563 |
| V13 (Q14) | Most people like me in their position as a researcher openly share research data through a data repository (scale ranging from unlikely to likely) | 1-7 | 3,93 | 1,709 |
| V14 (Q15) | My supervisor encourages me to openly share research data (scale ranging from disagree to agree) | 1-7 | 4,17 | 1,822 |
| V15 (Q16) | My colleagues encourage me to openly share research data (scale ranging from disagree to agree) | 1-7 | 4,25 | 1,795 |
|  | **Researcher’s opinion on open data sharing behavior by other researchers** (scale ranging from disagree to agree) | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V16 (Q20) | I expect other researchers to openly share their research data whenever possible | 1-7 | 5,34 | 1,602 |
| V17 (Q21) | I expect other researchers who work on COVID-19-related research to openly share their research data whenever possible | 2-7 | 6,16 | 1,108 |
|  | **Statements about potential advantages of openly sharing research data** (scale ranging from disagree to agree) | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V18 (Q22) | Me openly sharing research data will increase the pool of information available to scientists and society | 1-7 | 6,26 | 1,100 |
| V19 (Q22) | Me openly sharing research data will encourage the validation, verification and falsification of research results | 1-7 | 6,16 | 1,079 |
| V20 (Q22) | Me openly sharing research data will provide decision-makers with facts to address complex, often transnational problems | 1-7 | 5,40 | 1,576 |
| V21 (Q22) | Me openly sharing research data will allow valuable resources to contribute far beyond their original analysis | 1-7 | 5,62 | 1,423 |
|  | **Statements about potential advantages of openly sharing research data in relation to COVID-19** (scale ranging from disagree to agree) | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V22 (Q23) | My research discipline is COVID-19 related | 1-3 | 1,5455 | ,89412 |
| V23 (Q23) | Me openly sharing research data will increase the pool of information available to scientists investigating COVID-19 | 1-8 | 3,68 | 2,527 |
| V24 (Q23) | Me openly sharing research data will encourage the validation, verification, and falsification of research results related to COVID-19 research | 1-8 | 3,64 | 2,557 |
| V25 (Q23) | Me openly sharing research data will provide decision-makers with facts to address COVID-19-related problems | 1-8 | 3,74 | 2,519 |
|  | **Statements about support for openly sharing research data** (scale ranging from disagree to agree) | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V26 (Q24) | My institution provides sufficient support for openly sharing research data | 1-8 | 4,55 | 2,018 |
| V27 (Q24) | My institution provides a useful infrastructure for openly sharing research data | 1-8 | 4,70 | 2,100 |
| V28 (Q24) | My institution provides a useful repository for openly sharing research data | 1-8 | 4,59 | 2,220 |
| V29 (Q24) | My institution provides sufficient support for research data management | 1-8 | 4,68 | 1,915 |
| V30 (Q24) | I am familiar with the policy of my institution for openly sharing research data | 1-8 | 4,93 | 1,988 |
|  | **Statements about potential disadvantages of openly sharing research data** (scale ranging from disagree to agree) | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V31 (Q25) | I fear the misinterpretation of the research data I (could potentially) share openly | 1-7 | 4,08 | 1,681 |
| V32 (Q25) | I fear the misuse of the research data I (could potentially) share openly | 1-7 | 4,05 | 1,711 |
| V33 (Q25) | I am concerned about losing an advantage in my research area if I openly share my research data | 1-7 | 3,69 | 1,910 |
| V34 (Q25) | I am afraid other researchers will find errors in my results if I openly share my research data | 1-7 | 3,34 | 1,663 |
|  | **Researcher’s attitude towards future open data sharing behavior** | **Minimum-maximum value** | **Mean** | **Standard deviation** |
| V35 (Q26) | I intend to openly share research data in my position as a researcher in the future (scale ranging from unlikely to likely) | 1-7 | 5,86 | 1,380 |
| V36 (Q26a) | Which proportion of the data you will collect in the future do you plan, on average, to share openly? | 1-5 | 3,17 | 1,285 |
| V37 (Q27) | Did the COVID-19 pandemic change your willingness to openly share research data? | 1-5 | 3,77 | 1,606 |
| V38 (Q28) | Did any other factor change your willingness to openly share research data recently? Please explain. (open question) | Open question | - | - |