

# **Supplementary information for "The RW3D: A multi-modal panel dataset to understand the psychological impact of the pandemic"**

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|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intro</b>   | <p>“In this study, we ask you a few questions about how you feel about the corona (COVID-19) situation at this moment. We then ask you to write a brief text that expresses your current feelings. You are selected for this study because you may have participated in a similar study with us one a year ago. We are interested how your feelings have changed. This will help us understand how people are affected and about what. Your help and time is much appreciated. We hope our research can help us better understand how people are affected by the situation and how we can improve responses to it.”</p> |
| <b>Debrief</b> | <p>“Thank you very much for your time and effort. In this study, we collected data about people’s real worries about the current Corona situation in the UK. We hope that this will help us and other researchers to understand how we can help and inform better decision-making on a policy level.”</p>                                                                                                                                                                                                                                                                                                               |

**Table 1.** Task introduction and debrief.

| Wave | Initial | Age   | Female (%) | Final | Retention (%) |
|------|---------|-------|------------|-------|---------------|
| 2020 | 2500    | 33.84 | 65.2       | 2441  | 100.00        |
| 2021 | 1839    | 36.22 | 67.4       | 1716  | 70.30         |
| 2022 | 1227    | 37.10 | 68.4       | 1152  | 67.13         |

**Table 2.** Basic sample characteristics per wave.

| Variable      | $M_1$  | $SD_1$ | $range_1$   | $M_2$  | $SD_2$ | $range_2$   | $M_3$  | $SD_3$ | $range_3$   |
|---------------|--------|--------|-------------|--------|--------|-------------|--------|--------|-------------|
| Long: Tokens  | 126.17 | 39.37  | [62, 1067]  | 125.17 | 32.05  | [78, 387]   | 122.58 | 27.64  | [62, 358]   |
| Long: Chars.  | 624.20 | 196.66 | [500, 5454] | 621.27 | 158.19 | [500, 2023] | 610.82 | 133.98 | [500, 1796] |
| Short: Tokens | 26.63  | 15.90  | [1, 75]     | 24.70  | 15.40  | [1, 75]     | 24.59  | 14.62  | [1, 67]     |
| Short: Chars. | 131.11 | 76.97  | [10, 281]   | 121.64 | 75.12  | [10, 281]   | 122.01 | 73.36  | [10, 282]   |

**Table 3.** Corpus descriptives (M, SD, range) for all three waves of data collection. Note that the exceeding of 280 characters in the short texts is due to differences in counting leading and trailing white spaces

**Table 4.** Full list of topics for long texts per wave with topic prevalence (proportion). Please note the best fitting model for wave 1 has 15 topics (based on semantic coherence and exclusivity), whereas wave 2 and 3 have 10 topics.

| wave   | topic    | proportion | terms                                                                    |
|--------|----------|------------|--------------------------------------------------------------------------|
| wave 1 | Topic 2  | 10.29      | peopl, feel, see, mani, die, govern, rule, think, will, follow           |
| wave 1 | Topic 10 | 10.16      | will, worri, feel, famili, normal, back, long, know, life, hope          |
| wave 1 | Topic 7  | 9.53       | worri, also, famili, friend, time, anxious, work, home, feel, will       |
| wave 1 | Topic 1  | 8.51       | feel, time, get, home, work, can, situat, like, thing, news              |
| wave 1 | Topic 5  | 8.14       | feel, worri, anxious, sad, get, day, like, famili, friend, see           |
| wave 1 | Topic 11 | 7.25       | peopl, get, just, need, shop, realli, dont, much, home, day              |
| wave 1 | Topic 12 | 6.81       | futur, worri, will, feel, anxious, situat, fear, also, get, health       |
| wave 1 | Topic 4  | 6.00       | work, situat, worri, health, concern, feel, home, current, also, person  |
| wave 1 | Topic 8  | 5.94       | peopl, take, serious, situat, feel, fear, hope, virus, health, get       |
| wave 1 | Topic 13 | 5.75       | govern, nhs, angri, staff, feel, also, test, worker, peopl, social       |
| wave 1 | Topic 3  | 5.35       | get, worri, will, shop, week, scare, abl, famili, food, virus            |
| wave 1 | Topic 9  | 5.17       | feel, anxieti, children, anxious, famili, worri, can, know, see, one     |
| wave 1 | Topic 14 | 4.35       | concern, virus, worri, death, corona, will, countri, lockdown, feel, get |
| wave 1 | Topic 6  | 3.63       | feel, due, peopl, health, sad, also, live, anxious, famili, home         |
| wave 1 | Topic 15 | 3.11       | peopl, work, frustrat, famili, key, lockdown, arent, worker, rule, worri |
| wave 2 | Topic 5  | 15.04      | will, feel, normal, hope, back, get, vaccin, thing, look, forward        |
| wave 2 | Topic 7  | 14.38      | work, want, friend, famili, feel, see, miss, time, abl, home             |
| wave 2 | Topic 3  | 11.91      | will, worri, vaccin, concern, also, feel, covid, anxious, effect, virus  |
| wave 2 | Topic 8  | 11.49      | feel, situat, life, like, anxious, will, pandem, futur, hope, normal     |
| wave 2 | Topic 9  | 11.08      | peopl, virus, will, vaccin, still, rule, get, feel, think, mani          |
| wave 2 | Topic 4  | 9.32       | feel, vaccin, still, hope, time, much, situat, lockdown, famili, now     |
| wave 2 | Topic 2  | 7.50       | day, life, just, feel, get, dont, seem, want, know, lockdown             |
| wave 2 | Topic 1  | 7.40       | govern, angri, peopl, anger, disgust, handl, vaccin, corrupt, death, nhs |
| wave 2 | Topic 6  | 6.56       | vaccin, get, feel, need, make, start, hope, will, still, school          |
| wave 2 | Topic 10 | 5.32       | will, live, peopl, feel, lost, continu, get, just, one, safe             |
| wave 3 | Topic 1  | 14.29      | get, back, normal, feel, now, thing, live, dont, just, life              |
| wave 3 | Topic 3  | 12.05      | feel, peopl, still, covid, like, worri, situat, get, now, live           |
| wave 3 | Topic 6  | 11.79      | still, vaccin, will, feel, variant, case, virus, concern, peopl, covid   |
| wave 3 | Topic 7  | 10.08      | feel, peopl, mask, public, wear, govern, still, also, like, social       |
| wave 3 | Topic 9  | 9.41       | will, feel, think, peopl, normal, time, back, rule, thing, work          |
| wave 3 | Topic 8  | 9.40       | peopl, govern, test, covid, virus, will, vaccin, still, get, seem        |
| wave 3 | Topic 2  | 9.39       | now, corona, think, virus, life, feel, live, peopl, normal, still        |
| wave 3 | Topic 4  | 9.35       | worri, feel, know, covid, peopl, just, now, like, will, dont             |
| wave 3 | Topic 5  | 8.27       | pandem, feel, now, live, covid, govern, time, situat, peopl, world       |
| wave 3 | Topic 10 | 5.98       | covid, work, school, home, week, test, day, ill, children, last          |

**Table 5.** Full list of topics for short texts per wave with topic prevalence (proportion).

| wave   | topic    | proportion | terms                                                                     |
|--------|----------|------------|---------------------------------------------------------------------------|
| wave 1 | Topic 5  | 16.62      | stay, home, peopl, everyon, safe, pleas, rule, other, insid, follow       |
| wave 1 | Topic 9  | 12.80      | will, hope, life, just, now, normal, back, make, soon, fear               |
| wave 1 | Topic 10 | 10.51      | situat, famili, sad, one, friend, worker, world, health, good, current    |
| wave 1 | Topic 8  | 10.18      | feel, can, time, see, lockdown, posit, long, let, best, whole             |
| wave 1 | Topic 7  | 9.76       | virus, want, peopl, think, countri, stop, frustrat, still, covid, angri   |
| wave 1 | Topic 3  | 8.78       | get, thing, togeth, take, come, also, better, ever, scari, must           |
| wave 1 | Topic 4  | 8.39       | anxious, live, nhs, work, help, save, dont, listen, much, wish            |
| wave 1 | Topic 2  | 8.04       | worri, end, like, mani, tri, realli, affect, stress, covid-, pandem       |
| wave 1 | Topic 6  | 7.81       | need, coronavirus, love, futur, day, risk, keep, put, lot, societi        |
| wave 1 | Topic 1  | 7.10       | corona, scare, govern, know, look, miss, happen, possibl, job, month      |
| wave 2 | Topic 10 | 12.34      | hope, can, famili, keep, let, safe, way, nhs, dont, even                  |
| wave 2 | Topic 9  | 12.27      | normal, back, peopl, look, forward, anxious, sad, school, right, frustrat |
| wave 2 | Topic 4  | 11.68      | vaccin, now, see, life, time, virus, fed, home, bore, happi               |
| wave 2 | Topic 6  | 11.05      | end, lockdown, corona, light, come, tunnel, long, final, summer, well     |
| wave 2 | Topic 8  | 10.81      | covid, govern, need, everyon, day, work, start, pleas, protect, everyth   |
| wave 2 | Topic 7  | 9.81       | get, still, want, rule, soon, one, follow, optimist, mani, lost           |
| wave 2 | Topic 5  | 9.52       | thing, wait, situat, cant, friend, return, abl, take, make, never         |
| wave 2 | Topic 3  | 8.54       | feel, will, futur, coronavirus, worri, world, stop, ever, sick, wear      |
| wave 2 | Topic 2  | 7.09       | live, pandem, stay, much, think, yet, chang, children, good, near         |
| wave 2 | Topic 1  | 6.90       | just, year, like, better, realli, mask, tire, posit, done, number         |
| wave 3 | Topic 7  | 13.68      | peopl, mask, govern, wear, think, seem, other, mani, public, health       |
| wave 3 | Topic 9  | 13.08      | feel, life, will, can, pandem, situat, hope, one, new, start              |
| wave 3 | Topic 8  | 11.99      | covid, now, year, vaccin, dont, worri, look, know, forward, two           |
| wave 3 | Topic 10 | 11.96      | still, normal, thing, keep, happi, safe, pleas, take, everyon, want       |
| wave 3 | Topic 2  | 8.76       | need, restrict, protect, case, vulner, work, good, lockdown, anymor, abl  |
| wave 3 | Topic 1  | 8.63       | corona, virus, care, way, long, make, yet, must, ever, next               |
| wave 3 | Topic 5  | 8.62       | live, back, just, see, away, rise, world, current, bit, covid-            |
| wave 3 | Topic 3  | 7.87       | coronavirus, continu, glad, move, learn, never, final, fear, last, rememb |
| wave 3 | Topic 4  | 7.84       | like, test, much, around, isol, realli, free, better, posit, longer       |
| wave 3 | Topic 6  | 7.59       | get, time, stay, let, gone, famili, isnt, enjoy, serious, done            |