**Study Design**

This study is made to find a link between the digital screen time and the mental well being of the adolescents. These links vary as a function of when the digital technologies are used(Weekday/Weekend).

**Sample Details**

Data was collected from 120,115 participants (n=120115) in which 100,850 participants responded by paper and the rest 19265 by online. All the participants were 15 years old and the data was collected from the United Kingdom’s Educational National Pupil Database.

**Code Book**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Description | Units | Coding Notes | Other Notes |
| watch\_wd | Time spent on watching TV(weekdays) | hours | numerical | Filled by the participants manually |
| play\_wd | Time spent on playing videogames(weekdays) | hours | numerical | Filled by the participants manually |
| Comp\_wd | Time spent on watching Computer  (Weekdays) | hours | numerical | Filled by the participants manually |
| Sp\_wd | Smartphone Usage  (Weekdays) | hours | numerical | Filled by the participants manually |
| Watch\_we | Time spent on watching TV(weekend) | hours | numerical | Filled by the participants manually |
| Comp\_we | Watching Computer  (Weekend) | hours | numerical | Filled by the participants manually |
| play\_we | Time spent on playing  Videogames(weekend) | hours | numerical | Filled by the participants manually |
| Sp\_we | Smartphone Usage  (Weekend) | hours | numerical | Filled by the participants manually |
| serial | Subject number |  | numerical | defined by researchers |
| male | Gender | 0 = female  1 = male | boolean | Self-reported |
| mwbi | The Warwick Edinburgh Mental Well-Being Scale | Scores between 14-70 | numerical | 14 item self-report |
| pred | Predictor | 4 levels: comp, play, sp, watch |  | Defined by researchers |
| time | Time of the week | 2 levels:  wd = weekend  we = weekday |  | Defined by researchers |
| engagement | Hours spent doing activity | Hours | Numerical | Filled by the participants manually |

**Notes**

The values that are missing are denoted as “NA”