# Global well-being and mental health in the internet age

This repository contains the code and synthetic datasets required to reproduce all analyses reported in *Global well-being and mental health in the internet age* (Vuorre & Przybylski).

## Materials

* [Preprint](https://doi.org/10.31234/osf.io/9tbjy)
  + A publicly available version of our manuscript in advance of peer-review and formal publication
* [GitHub repository](https://github.com/digital-wellbeing/global-wbmh)
  + A version controlled repository containing all the raw data and code in this project
  + An archived permanent copy of the GitHub repository

## Reproducibility

The analyses were conducted in R; steps to reproduce are

1. Clone the [github repo](https://github.com/digital-wellbeing/global-wbmh)

* Terminal: git clone https://github.com/digital-wellbeing/global-wbmh.git  
  OR
* RStudio: File -> New Project -> Version Control -> Git -> use the URL from above

1. Prepare the R environment

* Terminal: Rscript -e "renv::restore()"  
  OR
* RStudio: Click renv -> Restore Library in the Packages panel

1. Render the source file ms.Rmd

* Terminal: Rscript -e 'rmarkdown::render("ms.Rmd")'  
  OR
* RStudio: Open the file and click Knit/Render

If you encounter problems, please [open an issue](https://github.com/digital-wellbeing/global-wbmh/issues).

The project repo includes the GBD dataset, code to download the ITU dataset ([internet](https://www.itu.int/en/ITU-D/Statistics/Documents/statistics/2022/December/PercentIndividualsUsingInternet.xlsx); [mobile](https://www.itu.int/en/ITU-D/Statistics/Documents/statistics/2022/December/MobileBroadbandSubscriptions_2007-2021.xlsx)), and a synthetic mock version of the GWP dataset to enable reproducing all our computations. **The models take several hours/days each to run**—depending on your local computing resources—and therefore the rendering process can take several days. For this reason, the build will fail after having cleaned the data. Then, run models.R with settings specific to your environment/cluster. Once that is done you can render the source file again and it should work.