**Open Science Monitor R Scripts Instructions**

*For running the scripts, it is best to work with RStudio as an IDE. Some documents may have name changes; for a note on changing the name of documents, see the end of this document.*

*Before performing the analysis, make sure that variables that need to be recoded by hand are recoded already (instructions for this are on Teams). Variables should have the same names as the 2022 variables.*

**General WP**

1. Create a project (‘Create Project’ in R). This creates a folder in which you will work. It does not matter what you name this project. Make sure that the following files are in this folder:

* OSM 2022 WP Analysis and Results.Rmd
* variables\_WP.RData
* att\_beh\_gap.R
* osm\_descriptives.R
* Optionally, the data file can be in the folder.

1. A folder and a file called [YourProjectName].Rproj will have been created. Open this project; this can be done by double-clicking in your files. If you have just created the project it will already be open.
2. Open ‘OSM 2022 WP Analysis and Results.Rmd’ (or equivalent).

*You may see a notification at the top pop up mentioning that some packages need to be installed. Click to install these before running the file.*

1. On line 47, the file name is specified for the data file. If the data file is in the same folder as the current Rmd file, you can replace this with the name of the file. Otherwise, specify the full path name. Do not forget the quotation marks around this.
2. Knit the file. You can do this by clicking the icon on top that looks like a ball of yarn with a knitting needle. When it has finished knitting you will have a html file with the results.

**Faculty WP**

1. First, create separate datasets for each faculty. This can be done using the file ‘Faculty files.R’. Replace the pathname on line 2 with your pathname for the full dataset. Replace the paths on line 5-11 with pathnames for the files you want to save them as. Put all files in one separate folder.
2. Create a project (‘Create Project’ in R). This creates a folder in which you will work. It does not matter what you name this project. It can also be the same project and folder as the previous ones. Make sure that the following files are in this folder:

* OSM 2022 Faculties.Rmd
* variables\_WP.RData
* att\_beh\_gap.R
* osm\_descriptives.R
* Faculty reports.R
* Optionally, the data file can be in the folder.

1. A folder and a file called [YourProjectName].Rproj will have been created. Open this project; this can be done by double-clicking in your files. If you have just created the project it will already be open.
2. Open ‘OSM 2022 Faculties.Rmd’ (or equivalent).

*You may see a notification at the top pop up mentioning that some packages need to be installed. Click to install these before running the file.*

1. On line 26 and line 29, replace the pathnames with your pathname for ‘osm\_descriptives.R’ and ‘att\_beh\_gap.R’. (i.e ‘source(“[YourPathName]”)). Replace the pathname on line 32 with your pathname for ‘variables\_WP.RData’. Save the Rmd file; you can now close it.
2. Open ‘Faculty reports.R’.
3. Replace the pathname of line 6 with the pathname for the folder you put the faculty files in.
4. Replace the pathname on line 12 with this same pathname, but ending with a slash(“/”).
5. Replace the pathname on line 17 with the pathname of the Rmd file (e.g. ‘OSM 2022 Faculties.Rmd”
6. Run the script (‘Faculty reports.R’). This can be done in multiple ways. The easiest is to select all code and then press Ctrl + Enter (Windows) or Command + Enter (MacOS). This will create a separate html file for each faculty.

**General OBP**

1. Create a project (‘Create Project’ in R). This creates a folder in which you will work. It does not matter what you name this project. It can also be the same project and folder as for the previous steps. Make sure that the following files are in this folder:

* OSM 2022 OBP Analysis and Results.Rmd
* variables\_OBP.RData
* att\_beh\_gap.R
* osm\_descriptives.R
* Optionally, the data file can be in the folder.

1. A folder and a file called [YourProjectName].Rproj will have been created. Open this project; this can be done by double-clicking in your files. If you have just created the project it will already be open.
2. Open ‘OSM 2022 OBP Analysis and Results.Rmd’ (or equivalent).

*You may see a notification at the top pop up mentioning that some packages need to be installed. Click to install these before running the file.*

1. On line 47, the file name is specified for the data file. If the data file is in the same folder as the current Rmd file, you can replace this with the name of the file. Otherwise, specify the full path name. Do not forget the quotation marks around this.
2. Knit the file. You can do this by clicking the icon on top that looks like a ball of yarn with a knitting needle. When it has finished knitting you will have a html file with the results.

**Faculty WP**

1. First, create separate datasets for each faculty. This can be done using the file ‘UBD-UB vs Faculty files.R’. Replace the pathname on line 2 with your pathname for the full dataset. Replace the paths on line 10 and 17 with pathnames for the files you want to save them as. Put all files in one separate folder.
2. Create a project (‘Create Project’ in R). This creates a folder in which you will work. It does not matter what you name this project. It can also be the same project and folder as the previous ones. Make sure that the following files are in this folder:

* OSM 2022 OBP Faculty vs UBD:UB.Rmd
* variables\_OBP.RData
* att\_beh\_gap.R
* osm\_descriptives.R
* OBP Faculty vs UBD:UB Reports.R
* Optionally, the data file can be in the folder.

1. A folder and a file called [YourProjectName].Rproj will have been created. Open this project; this can be done by double-clicking in your files. If you have just created the project it will already be open.
2. Open ‘OSM 2022 OBP Faculty vs UBD:UB.Rmd’ (or equivalent).

*You may see a notification at the top pop up mentioning that some packages need to be installed. Click to install these before running the file.*

1. On line 32 and line 35, replace the pathnames with your pathname for ‘osm\_descriptives.R’ and ‘att\_beh\_gap.R’. (i.e ‘source(“[YourPathName]”)). Replace the pathname on line 38 with your pathname for ‘variables\_OBP.RData’. Save the Rmd file; you can now close it.
2. Open ‘OBP Faculty vs UBD:UB reports.R’.
3. Replace the pathname of line 6 with the pathname for the folder you put the UBD/UB and Faculty files in.
4. Replace the pathname on line 12 with this same pathname, but ending with a slash(“/”).
5. Replace the pathname on line 17 with the pathname of the Rmd file (e.g. ‘OSM 2022 OBP Faculty vs UBD:UB.Rmd”
6. Run the script (‘OBP Faculty vs UBD:UB reports.R’). This can be done in multiple ways. The easiest is to select all code and then press Ctrl + Enter (Windows) or Command + Enter (MacOS). This will create a separate html file for both UBD/UB and those working at a faculty.

**Changing file names**

It is generally possible to change the names of all files. However, this will mean that edits will have to be made when loading these files. For example, “OSM 2022 Analysis and Results.Rmd” loads “att\_beh\_gap.R”. If you change the latter file, you will have to change the specification in files that call this.

The spss file names and Rmd file names can always be changed without changing these instructions; new file path is already specified each time.

Be aware of changing the following file names:

* variables\_WP.RData
* variables\_OBP.RData
* att\_beh\_gap.R
* osm\_descriptives.R

If the file names above are changed, check that they are changed within the Rmd files as well.

*These instructions were based on the workflow for the OSM 2022. If the workflow is changed, please feel free to update this document.*

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